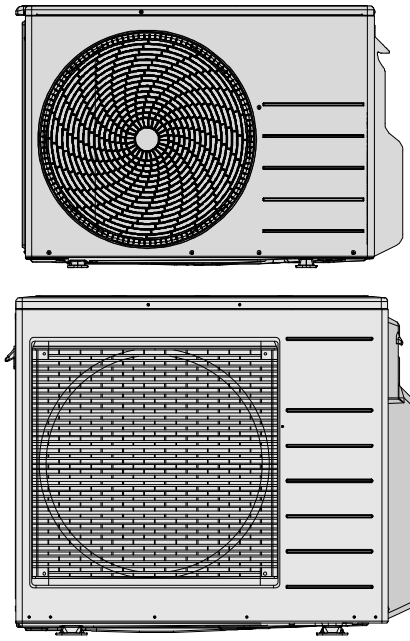
Order No: PAPAMY1601015CE

Service Manual

Air Conditioner



Outdoor Unit
CU-2E12SBE
CU-2E15SBE
CU-2E18SBE
CU-3E23SBE

Destination
Europe

Please file and use this manual together with the service manual for Model No. CS-MZ5SKE CS-Z7SKEW CS-Z9SKEW CS-Z12SKEW CS-Z15SKEW CS-Z18SKEW CS-E7SKEW CS-E9SKEW CS-E12SKEW CS-E15SKEW CS-E18SKEW CS-XE7SKEW CS-XE9SKEW CS-XE12SKEW CS-XE18SKEW CS-E7SKEW-M CS-E9SKEW-M CS-E12SKEW-M CS-E15SKEW-M CS-E18SKEW-M CS-XZ7SKEW CS-XZ9SKEW CS-XZ12SKEW CS-XZ18SKEW CS-MZ5SKE-M CS-Z7SKEW-M CS-Z9SKEW-M CS-Z12SKEW-M CS-Z15SKEW-M CS-Z18SKEW-M CS-MTZ7SKE CS-TZ9SKEW CS-TZ12SKEW CS-TZ15SKEW CS-TZ18SKEW CS-E9PD3EA CS-E12QD3EAW CS-E18RD3EAW CS-E9PB4EA CS-E12PB4EA CS-E18RB4EAW CS-E21RB4EAW CS-E9GFEW CS-E12GFEW CS-E18GFEW CS-E9GFEW-2 CS-E12GFEW-2 CS-E18GFEW-2, Order No. PAPAMY1603014CE PAPAMY1603054CE PAPAMY1604058CE PAPAMY1604028CE PAPAMY1604057CE PAPAMY1603029CE PAPAMY1305054CE PAPAMY1406071CE PAPAMY1505102CE PAPAMY1305053CE RAC0704001C2 MAC0804027A2

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

⚠ PRECAUTION OF LOW TEMPERATURE

In order to avoid frostbite, be assured of no refrigerant leakage during the installation or repairing of refrigerant circuit.

Panasonic®

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1. Safety Precautions

- Read the following “SAFETY PRECAUTIONS” carefully before perform any servicing.
- Electrical work must be installed or serviced by a licensed electrician. Be sure to use the correct rating of the power plug and main circuit for the model installed.
- The caution items stated here must be followed because these important contents are related to safety. The meaning of each indication used is as below. Incorrect installation or servicing due to ignoring of the instruction will cause harm or damage, and the seriousness is classified by the following indications.

WARNING	This indication shows the possibility of causing death or serious injury.
CAUTION	This indication shows the possibility of causing injury or damage to properties.

- The items to be followed are classified by the symbols:

⃠	This symbol denotes item that is PROHIBITED from doing.

- Carry out test run to confirm that no abnormality occurs after the servicing. Then, explain to user the operation, care and maintenance as stated in instructions. Please remind the customer to keep the operating instructions for future reference.

	WARNING	
1.	Do not install outdoor unit near handrail of veranda. When installing air-conditioner unit on veranda of a high rise building, child may climb up to outdoor unit and cross over the handrail causing an accident.	⃠
2.	Do not use unspecified cord, modified cord, joint cord or extension cord for power supply cord. Do not share the single outlet with other electrical appliances. Poor contact, poor insulation or over current will cause electrical shock or fire.	⃠
3.	Do not tie up the power supply cord into a bundle by band. Abnormal temperature rise on power supply cord may happen.	⃠
4.	Do not insert your fingers or other objects into the unit, high speed rotating fan may cause injury.	⃠
5.	Do not sit or step on the unit, you may fall down accidentally.	⃠
6.	Keep plastic bag (packaging material) away from small children, it may cling to nose and mouth and prevent breathing.	⃠
7.	When installing or relocating air conditioner, do not let any substance other than the specified refrigerant, eg. air etc mix into refrigeration cycle (piping). Mixing of air etc. will cause abnormal high pressure in refrigeration cycle and result in explosion, injury etc.	⃠
8.	Do not add or replace refrigerant other than specified type. It may cause product damage, burst and injury etc.	⃠
9.	For R410A model, use piping, flare nut and tools which is specified for R410A refrigerant. Using of existing (R22) piping, flare nut and tools may cause abnormally high pressure in the refrigerant cycle (piping), and possibly result in explosion and injury. Thickness for copper pipes used with R410A must be more than 0.8 mm. Never use copper pipes thinner than 0.8 mm. It is desirable that the amount of residual oil less than 40 mg/10 m.	
10.	Engage authorized dealer or specialist for installation. If installation done by the user is incorrect, it will cause water leakage, electrical shock or fire.	
11.	Install according to this installation instructions strictly. If installation is defective, it will cause water leakage, electrical shock or fire.	
12.	Use the attached accessories parts and specified parts for installation. Otherwise, it will cause the set to fall, water leakage, fire or electrical shock.	
13.	Install at a strong and firm location which is able to withstand weight of the set. If the strength is not enough or installation is not properly done, the set will drop and cause injury.	
14.	For electrical work, follow the local national wiring standard, regulation and this installation instruction. An independent circuit and single outlet must be used. If electrical circuit capacity is not enough or defect found in electrical work, it will cause electrical shock or fire.	
15.	Do not use joint cable for indoor / outdoor connection cable. Use the specified indoor/outdoor connection cable, refer to instruction **CONNECT THE CABLE TO THE OUTDOOR UNIT** and connect tightly for indoor/outdoor connection. Clamp the cable so that no external force will have impact on the terminal. If connection or fixing is not perfect, it will cause heat up or fire at the connection.	
16.	Wire routing must be properly arranged so that control board cover is fixed properly. If control board cover is not fixed perfectly, it will cause fire or electrical shock.	
17.	This equipment is strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD). Otherwise, it may cause electrical shock and fire in case of equipment breakdown or insulation breakdown.	
18.	During installation, install the refrigerant piping properly before running the compressor. Operation of compressor without fixing refrigeration piping and valves at opened position will cause suck-in of air, abnormal high pressure in refrigeration cycle and result in explosion, injury etc.	
19.	During pump down operation, stop the compressor before removing the refrigeration piping. Removal of refrigeration piping while compressor is operating and valves are opened will cause suck-in of air, abnormal high pressure in refrigeration cycle and result in explosion, injury etc.	

	⚠ WARNING
20.	Tighten the flare nut with torque wrench according to specified method. If the flare nut is over-tightened, after a long period, the flare may break and cause refrigerant gas leakage.
21.	After completion of installation, confirm there is no leakage of refrigerant gas. It may generate toxic gas when the refrigerant contacts with fire.
22.	Ventilate if there is refrigerant gas leakage during operation. It may cause toxic gas when the refrigerant contacts with fire.
23.	This equipment must be properly earthed. Earth line must not be connected to gas pipe, water pipe, earth of lightning rod and telephone. Otherwise, it may cause electrical shock in case of equipment breakdown or insulation breakdown.

	⚠ CAUTION
1.	Do not install the unit in a place where leakage of flammable gas may occur. In case gas leaks and accumulates at surrounding of the unit, it may cause fire.
2.	Do not release refrigerant during piping work for installation, re-installation and during repairing refrigeration parts. Take care of the liquid refrigerant, it may cause frostbite.
3.	Do not install this appliance in a laundry room or other location where water may drip from the ceiling, etc.
4.	Do not touch the sharp aluminium fin, sharp parts may cause injury.
5.	Carry out drainage piping as mentioned in installation instructions. If drainage is not perfect, water may enter the room and damage the furniture.
6.	Select an installation location which is easy for maintenance.
7.	Power supply connection to the room air conditioner. **CU-2E12***, CU-2E15***, CU-2E18***** Use power supply cord 3 x 1.5 mm^2 type designation 60245 IEC 57 or heavier cord. **CU-3E23***** Use power supply cord 3 x 2.5 mm^2 type designation 245 IEC 57 or heavier cord. Connect the power supply cord of the air conditioner to the mains using one of the following method. Power supply point should be in easily accessible place for power disconnection in case of emergency. In some countries, permanent connection of this air conditioner to the power supply is prohibited. 1) Power supply connection to the receptacle using power plug. Use an approved 15/16A (CU-2E12***, CU-2E15***, CU-2E18***) and 16A (CU-3E23***) power plug with earth pin for the connection to the socket. 2) Power supply connection to a circuit breaker for the permanent connection. Use an approved 16A circuit breaker for the permanent connection. It must be a double pole switch with a minimum 3.0 mm contact gap.
8.	Installation work. It may need two people to carry out the installation work.

2. Specifications

2.1 CU-2E12SBE

Item			Unit	OUTDOOR UNIT
Indoor Unit Combination				1.6kW + 2.0kW
Power Source				1 Phase, 230V, 50Hz (Power supply from outdoor unit)
Cooling Operation	Capacity		kW	3.6 (1.50 ~ 4.50)
			BTU/h	12300 (5120 ~ 15300)
	Electrical Data	Running Current	A	3.75
		Power Input	kW	0.80 (0.25 ~ 1.10)
		EER	W/W	4.50 (6.00 ~ 4.09)
	Annual Energy Consumption (AEC)		kWh	400
	Annual Consumption		kWh	194
	Noise	Sound Pressure Level	dB-A (H/L)	47 / -
		Sound Power Level	dB (H/L)	62 / -
Heating Operation	Capacity		kW	4.40 (1.1 ~ 5.60)
			BTU/h	15000 (3750 ~ 19100)
	Electrical Data	Running Current	A	4.2
		Power Input	kW	0.95 (0.21 ~ 1.27)
		COP	W/W	4.63 (5.24 ~ 4.41)
	Annual Consumption		kWh	1400
	Noise	Sound Pressure Level	dB-A (H/L)	49 / -
		Sound Power Level	dB (H/L)	64 / -
Maximum Current			A	12.0
Maximum Input Power			W	2.73k
Starting Current			A	3.75
Dimension	Height		mm	619
	Width		mm	824 (+70)
	Depth		mm	299
Net Weight			kg	39
Pipe Length Range (1 room)			m	3 ~ 20
Maximum Pipe Length (Total Room)			m	30
Piping	Standard Length		m	5
	Height Difference		m	10
	Add. Gas Amount		g/m	15
	Pipe Length for Add. Gas		m	20
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)
	Gas Side		mm (inch)	9.52 (3/8)
Compressor	Type			Hermetic Motor / Rotary
	Motor Type			Brushless (6-poles)
	Rated Output		W	900
Fan Motor	Type			Propeller Fan
	Motor Type			DC Motor (8-poles)
	Rated Output		W	40
Fan Speed	High (Cooling / Heating)		RPM	700 / 930

Item			Unit	OUTDOOR UNIT	
Heat Exchanger	Type			Plate fin configuration forced draft type	
	Tube Material			Copper	
	Fin Material			Aluminum (Pre Coat)	
	Row / Stage			2 / 28	
	FPI			17	
Air Volume	High (Cooling / Heating)		m^3/min (ft^3/mm)	28.5 (1006) / 36.9 (1303)	
Refrigerant Control Device				Expansion Valve	
Refrigerant Oil			cm^3	FV50S (450)	
Refrigerant (R410A)			g	1.40k	
				Dry Bulb	Wet Bulb
Outdoor Operation Range	Cooling	Maximum	°C	46	26
		Minimum	°C	-10	—
	Heating	Maximum	°C	24	18
		Minimum	°C	-15	-16

Note

- Specifications are subject to change without notice for further improvement.

2.2 CU-2E15SBE

Item			Unit	OUTDOOR UNIT
Indoor Unit Combination				2.0kW + 2.5kW
Power Source				1 Phase, 230V, 50Hz (Power supply from outdoor unit)
Cooling Operation	Capacity		kW	4.5 (1.5 ~ 5.2)
			BTU/h	15300 (5120 ~ 17700)
	Electrical Data	Running Current	A	5.75
		Power Input	kW	1.23 (0.25 ~ 1.52)
		EER	W/W	3.66 (6.00 ~ 3.42)
	Annual Consumption		kWh	242
	Noise	Sound Pressure Level	dB-A (H/L)	47 / -
		Sound Power Level	dB (H/L)	62 / -
Heating Operation	Capacity		kW	5.4 (1.1 ~ 7.0)
			BTU/h	18400 (3750 ~ 23900)
	Electrical Data	Running Current	A	5.20
		Power Input	kW	1.17 (0.21 ~ 1.67)
		COP	W/W	4.62 (5.24 ~ 4.19)
	Annual Consumption		kWh	1400
	Noise	Sound Pressure Level	dB-A (H/L)	49 / -
		Sound Power Level	dB (H/L)	64 / -
Maximum Current			A	12.0
Maximum Input Power			W	2.73k
Starting Current			A	5.75
Dimension	Height		mm	619
	Width		mm	824 (+70)
	Depth		mm	299
Net Weight			kg	39
Pipe Length Range (1 room)			m	3 ~ 20
Maximum Pipe Length (Total Room)			m	30
Piping	Standard Length		m	5
	Height Difference		m	10
	Add. Gas Amount		g/m	15
	Pipe Length for Add. Gas		m	20
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)
	Gas Side		mm (inch)	9.52 (3/8)
Compressor	Type			Hermetic Motor / Rotary
	Motor Type			Brushless (6-poles)
	Rated Output		W	900
Fan Motor	Type			Propeller Fan
	Motor Type			DC Motor (8-poles)
	Rated Output		W	40
Fan Speed	High (Cooling / Heating)		RPM	800 / 930
Heat Exchanger	Type			Plate fin configuration forced draft type
	Tube Material			Copper
	Fin Material			Aluminum (Pre Coat)
	Row / Stage			2 / 28
	FPI			17

Item			Unit	OUTDOOR UNIT	
Air Volume	High (Cooling / Heating)		m^3/min (ft^3/mm)	32.7 (1154) / 36.9 (1303)	
Refrigerant Control Device				Expansion Valve	
Refrigerant Oil			cm^3	FV50S (450)	
Refrigerant (R410A)			g	1.40k	
				Dry Bulb	Wet Bulb
Outdoor Operation Range	Cooling	Maximum	°C	46	26
		Minimum	°C	-10	—
	Heating	Maximum	°C	24	18
		Minimum	°C	-15	-16

Note

- Specifications are subject to change without notice for further improvement.

2.3 CU-2E18SBE

Item			Unit	OUTDOOR UNIT
Indoor Unit Combination				2.0kW + 2.8kW
Power Source				1 Phase, 230V, 50Hz (Power supply from outdoor unit)
Cooling Operation	Capacity		kW	5.2 (1.5 ~ 5.4)
			BTU/h	17700 (5120 ~ 18400)
	Electrical Data	Running Current	A	7.10
		Power Input	kW	1.52 (0.25 ~ 1.58)
		EER	W/W	3.42 (6.00 ~ 3.42)
	Annual Consumption		kWh	280
	Noise	Sound Pressure Level	dB-A (H/L)	49 / -
		Sound Power Level	dB (H/L)	64 / -
Heating Operation	Capacity		kW	5.6 (1.1 ~ 7.2)
			BTU/h	19100 (3750 ~ 24600)
	Electrical Data	Running Current	A	5.35
		Power Input	kW	1.21 (0.21 ~ 1.70)
		COP	W/W	4.63 (5.24 ~ 4.24)
	Annual Consumption		kWh	1470
	Noise	Sound Pressure Level	dB-A (H/L)	51 / -
		Sound Power Level	dB (H/L)	66 / -
Maximum Current			A	12.0
Maximum Input Power			W	2.73k
Starting Current			A	7.1
Dimension	Height		mm	619
	Width		mm	824 (+70)
	Depth		mm	299
Net Weight			kg	39
Pipe Length Range (1 room)			m	3 ~ 20
Maximum Pipe Length (Total Room)			m	30
Piping	Standard Length		m	5
	Height Difference		m	10
	Add. Gas Amount		g/m	15
	Pipe Length for Add. Gas		m	20
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)
	Gas Side		mm (inch)	9.52 (3/8)
Compressor	Type			Hermetic Motor / Rotary
	Motor Type			Brushless (6-poles)
	Rated Output		W	900
Air Circulation	Type			Propeller Fan
	Motor Type			DC Motor (8-poles)
	Rated Output		W	40
Fan Speed	High (Cooling / Heating)		RPM	900 / 1000
Heat Exchanger	Type			Plate fin configuration forced draft type
	Tube Material			Copper
	Fin Material			Aluminum (Pre Coat)
	Row / Stage			2 / 18
	FPI			17

Item			Unit	OUTDOOR UNIT	
Air Volume	High (Cooling / Heating)		m^3/min (ft^3/mm)	36.9 (1303) / 41.1 (1451)	
Refrigerant Control Device				Expansion Valve	
Refrigerant Oil			cm^3	FV50S (450)	
Refrigerant (R410A)			g	1.40k	
				Dry Bulb	Wet Bulb
Outdoor Operation Range	Cooling	Maximum	°C	46	26
		Minimum	°C	-10	—
	Heating	Maximum	°C	24	18
		Minimum	°C	-15	-16

Note

- Specifications are subject to change without notice for further improvement.

2.4 CU-3E23SBE

Item			Unit	OUTDOOR UNIT
Indoor Unit Combination				1.6kW + 2.0kW + 2.8kW
Power Source				1 Phase, 230V, 50Hz (Power supply from outdoor unit)
Cooling Operation	Capacity		kW	6.8 (1.90 ~ 8.00)
			BTU/h	23200 (6480 ~ 27300)
	Electrical Data	Running Current	A	8.40
		Power Input	kW	1.91 (270 ~ 2.37)
		EER	W/W	3.56 (7.04 ~ 3.38)
	Annual Consumption		kWh	340
	Noise	Sound Pressure Level	dB-A (H/L)	50 / -
		Sound Power Level	dB (H/L)	64 / -
Heating Operation	Capacity		kW	8.5 (3.30 ~ 10.40)
			BTU/h	29000 (11300 ~ 35500)
	Electrical Data	Running Current	A	9.6
		Power Input	kW	2.09 (x.xx ~ x.xx)
		COP	W/W	4.07 (5.32 ~ 3.74)
	Annual Consumption		kWh	1820
	Noise	Sound Pressure Level	dB-A (H/L)	51 / -
		Sound Power Level	dB (H/L)	65 / -
Maximum Current			A	15.6
Starting Current			A	8.4
Maximum Input Power			W	3.55k
Extra Low Temperature	Capacity		kW	4.45
	Input Power		W	2450
	COP		W/W	1.82
Dimension	Height		mm	795
	Width		mm	875 (+95)
	Depth		mm	320
Net Weight			kg	71
Pipe Length Range (1 room)			m	3 ~ 25
Maximum Pipe Length (Total Room)			m	60
Piping	Standard Length		m	5
	Height Difference		m	15
	Add. Gas Amount		g/m	20
	Pipe Length for Add. Gas		m	30
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)
	Gas Side		mm (inch)	9.52 (3/8)
Compressor	Type			Hermetic Motor / Rotary
	Motor Type			Brushless (4-poles)
	Rated Output		W	1.30k
Air Circulation	Type			Propeller Fan
	Motor Type			DC Motor (8-poles)
	Rated Output		W	60
Fan Speed	High (Cooling / Heating)		RPM	600 / 680

Item			Unit	OUTDOOR UNIT	
Heat Exchanger	Type			Plate fin configuration forced draft type	
	Tube Material			Copper	
	Fin Material			Aluminum (Pre Coat)	
	Row / Stage			2 / 36	
	FPI			19	
Air Volume	High (Cooling / Heating)		m^3/min (ft^3/mm)	42.5 (1500) / 49.4 (1744)	
Refrigerant Control Device				Expansion Valve	
Refrigerant Oil			cm^3	FV50S (900)	
Refrigerant (R410A)			g	2.64k	
				Dry Bulb	Wet Bulb
Outdoor Operation Range	Cooling	Maximum	°C	46	26
		Minimum	°C	-10	—
	Heating	Maximum	°C	24	18
		Minimum	°C	-15	-16

Note

- Specifications are subject to change without notice for further improvement.

- **Multi Split Combination Possibility:**
  - A single outdoor unit enables air conditioning of up to two separate rooms for CU-2E12SBE, CU-2E15SBE, CU-2E18SBE.
  - A single outdoor unit enables air conditioning of up to three separate rooms for CU-3E23SBE.

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT								
			CU-2E12SBE		CU-2E15SBE		CU-2E18SBE		CU-3E23SBE		
Type \ ROOM			A	B	A	B	A	B	A	B	C
Wall	1.6kW	CS-ME5PKE	●	●	●	●	●	●	●	●	●
	2.0kW	CS-E7QKEW CS-XE7QKEW CS-MRE7RKE	●	●	●	●	●	●	●	●	●
	2.5kW	CS-E9QKEW CS-XE9QKEW CS-RE9RKEW CS-E9PD3EA CS-E9PB4EA CS-E9GFEW CS-E9GFEW-2	●	●	●	●	●	●	●	●	●
	3.2kW	CS-E12QKEW CS-XE12QKEW CS-RE12RKEW CS-E12QD3EAW CS-E12PB4EA CS-E12GFEW CS-E12GFEW-2	—	—	—	—	●	●	●	●	●
	4.0kW	CS-E15QKEW CS-RE15RKEW	—	—	—	—	—	—	—	●	●
	5.0kW	CS-E18QKEW CS-XE18QKEW CS-RE18RKEW CS-E18RD3EAW CS-E18RB4EAW CS-E18GFEW CS-E18GFEW-2	—	—	—	—	—	—	—	●	●
	6.0kW	CS-E21QKEW CS-E21RB4EAW	—	—	—	—	—	—	—	—	●
Capacity range of connectable indoor units			From 3.2kW to 5.7kW		From 3.2kW to 5.7kW		From 3.2kW to 7.5kW		From 4.5kW to 11.0kW		
Pipe length	1-room maximum pipe length (m)		20		20		20		25		
	Allowable elevation (m)		10		10		10		15		
	Total allowable pipe length (m)		30		30		30		60		
	Total pipe length for maximum chargeless length (m)		20		20		20		30		
	Additional gas amount over chargeless length (g/m)		15		15		15		20		

Note: " ● " : Available

Remarks for CU-2E15SBE / CU-2E18SBE
1. At least two indoor units must be connected.
2. The total nominal cooling capacity of indoor units that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)
   Example: The indoor units' combination below is possible to connect to CU-2E15SBE. (Total nominal capacity of indoor units is between 3.2kW to 5.7kW)
   1) Two CS-E7QKEW only (Total nominal cooling capacity is 4.0kW)
   2) One CS-E7QKEW and one CS-E9PKEW. (Total nominal cooling capacity is 4.5kW)

Remarks for CU-3E23SBE
1. At least two indoor units must be connected.
2. The total nominal cooling capacity of indoor units that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)
   Example: The indoor units' combination below is possible to connect to CU-3E23SBE. (Total nominal capacity of indoor units is between 4.5kW to 11.0kW)
   1) Two CS-E9QKEW only (Total nominal cooling capacity is 5.0kW)
   2) Three CS-E12QKEW. (Total nominal cooling capacity is 9.6kW)

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT								
			CU-2E12SBE		CU-2E15SBE		CU-2E18SBE		CU-3E23SBE		
Type		ROOM	A	B	A	B	A	B	A	B	C
Wall	1.6kW	CS-MZ5SKE CS-MZ5SKE-M	●	●	●	●	●	●	●	●	●
	2.0kW	CS-Z7SKEW CS-E7SKEW CS-XE7SKEW CS-XZ7SKEW CS-Z7SKEW-M CS-E7SKEW-M CS-MTZ7SKE	●	●	●	●	●	●	●	●	●
	2.5kW	CS-Z9SKEW CS-E9SKEW CS-XE9SKEW CS-XZ9SKEW CS-Z9SKEW-M CS-E9SKEW-M CS-TZ9SKEW	●	●	●	●	●	●	●	●	●
	3.2kW	CS-Z12SKEW CS-E12SKEW CS-XE12SKEW CS-XZ12SKEW CS-Z12SKEW-M CS-E12SKEW-M CS-TZ12SKEW	—	—	—	—	●	●	●	●	●
	4.0kW	CS-Z15SKEW CS-E15SKEW CS-Z15SKEW-M CS-E15SKEW-M CS-TZ15SKEW	—	—	—	—	—	—	—	●	●
	5.0kW	CS-Z18SKEW CS-E18SKEW CS-XE18SKEW CS-XZ18SKEW CS-Z18SKEW-M CS-E18SKEW-M CS-TZ18SKEW	—	—	—	—	—	—	—	●	●
Capacity range of connectable indoor units			From 3.2kW to 5.7kW		From 3.2kW to 5.7kW		From 3.2kW to 7.5kW		From 4.5kW to 11.0kW		
Pipe length	1-room maximum pipe length (m)		20		20		20		25		
	Allowable elevation (m)		10		10		10		15		
	Total allowable pipe length (m)		30		30		30		60		
	Total pipe length for maximum chargeless length (m)		20		20		20		30		
	Additional gas amount over chargeless length (g/m)		15		15		15		20		

Note: " ● " : Available

Remarks for CU-2E15SBE / CU-2E18SBE

1. At least two indoor units must be connected.
2. The total nominal cooling capacity of indoor units that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)
   Example: The indoor units' combination below is possible to connect to CU-2E15SBE. (Total nominal capacity of indoor units is between 3.2kW to 5.7kW)
   1) Two CS-Z7SKEW only (Total nominal cooling capacity is 4.0kW)
   2) One CS-Z7SKEW and one CS-Z9SKEW. (Total nominal cooling capacity is 4.5kW)

Remarks for CU-3E23SBE

1. At least two indoor units must be connected.
2. The total nominal cooling capacity of indoor units that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)
   Example: The indoor units' combination below is possible to connect to CU-3E23SBE. (Total nominal capacity of indoor units is between 4.5kW to 11.0kW)
   1) Two CS-Z9SKEW only (Total nominal cooling capacity is 5.0kW)
   2) Three CS-Z12SKEW. (Total nominal cooling capacity is 9.6kW)

- Indoor Unit : CS-ME5PKE, CS-E9/12PB4EA, CS-E9/12GFEW, CS-E9/12GFEW-2, CS-RE9/12RKEW, CS-E9PD3EA, CS-E12QD3EAW, CS-E7/9/12QKEW, CS-XE7/9/12QKEW, CS-MRE7RKE CS-MZ5SKE, CS-MZ5SKE-M, CS-Z7/9SKEW, CS-E7/9SKEW, CS-XE7/9SKEW, CS-XZ7/9SKEW, CS-Z7/9SKEW-M, CS-E7/9SKEW-M, CS-MTZ7SKE, CS-TZ9SKEW
- Outdoor Unit : CU-2E12SBE

Indoor unit capacity Cooling		Total	Cooling Capacity (kW)				Input Power (W)		EER		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	1.60		1.60	1.1 ~ 2.3	410	220 ~ 600	3.90	A	205	1.95	1.0
	2.0	2.0	2.00		2.00	1.1 ~ 2.9	520	220 ~ 750	3.85	A	260	2.45	1.3
	2.5	2.5	2.50		2.50	1.1 ~ 3.5	670	220 ~ 1000	3.73	A	335	3.15	1.5
	2.8	2.8	2.80		2.80	1.1 ~ 3.5	750	220 ~ 1000	3.73	A	375	3.50	1.6
	3.2	3.2	3.20		3.20	1.1 ~ 4.0	920	220 ~ 1220	3.48	A	460	4.30	1.8
2 Room	1.6 + 1.6	3.2	1.60	1.60	3.20	1.5 ~ 4.0	750	250 ~ 1000	4.27	A	375	3.50	1.0 + 1.0
	1.6 + 2.0	3.6	1.60	2.00	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	1.0 + 1.3
	1.6 + 2.5	4.1	1.40	2.20	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	0.9 + 1.4
	1.6 + 2.8	4.4	1.30	2.30	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	0.8 + 1.5
	1.6 + 3.2	4.8	1.20	2.40	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	0.7 + 1.5
	2.0 + 2.0	4.0	1.80	1.80	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	1.2 + 1.2
	2.0 + 2.5	4.5	1.60	2.00	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	1.0 + 1.3
	2.0 + 2.8	4.8	1.50	2.10	3.60	1.5 ~ 4.5	800	250 ~ 1100	4.50	A	400	3.75	1.0 + 1.4
	2.0 + 3.2	5.2	1.40	2.20	3.60	1.5 ~ 4.5	770	250 ~ 1050	4.68	A	385	3.60	0.9 + 1.4
	2.5 + 2.5	5.0	1.80	1.80	3.60	1.5 ~ 4.5	770	250 ~ 1050	4.68	A	385	3.60	1.2 + 1.2
	2.5 + 2.8	5.3	1.70	1.90	3.60	1.5 ~ 4.5	770	250 ~ 1050	4.68	A	385	3.60	1.1 + 1.2
	2.5 + 3.2	5.7	1.60	2.00	3.60	1.5 ~ 4.5	770	250 ~ 1050	4.68	A	385	3.60	1.0 + 1.3
	2.8 + 2.8	5.6	1.80	1.80	3.60	1.5 ~ 4.5	770	250 ~ 1050	4.68	A	385	3.60	1.2 + 1.2

Indoor unit capacity Heating		Total	Heating Capacity (kW)				Input Power (W)		COP		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	2.60		2.60	0.7 ~ 3.8	690	170 ~ 1110	3.77	A	345	3.05	
	2.0	2.0	3.20		3.20	0.7 ~ 4.8	850	170 ~ 1410	3.76	A	425	3.75	
	2.5	2.5	3.60		3.60	0.7 ~ 5.5	1030	170 ~ 1700	3.50	B	515	4.55	
	2.8	2.8	4.00		4.00	0.7 ~ 5.5	1150	170 ~ 1700	3.48	B	575	5.10	
	3.2	3.2	4.40		4.40	0.7 ~ 5.6	1220	170 ~ 1680	3.61	A	610	5.40	
2 Room	1.6 + 1.6	3.2	2.20	2.20	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	1.6 + 2.0	3.6	1.95	2.45	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	1.6 + 2.5	4.1	1.70	2.70	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	1.6 + 2.8	4.4	1.60	2.80	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	1.6 + 3.2	4.8	1.45	2.95	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	2.0 + 2.0	4.0	2.20	2.20	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	2.0 + 2.5	4.5	1.95	2.45	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	2.0 + 2.8	4.8	1.85	2.55	4.40	1.1 ~ 5.6	950	210 ~ 1270	4.63	A	475	4.20	
	2.0 + 3.2	5.2	1.70	2.70	4.40	1.1 ~ 5.6	920	210 ~ 1220	4.78	A	460	4.10	
	2.5 + 2.5	5.0	2.20	2.20	4.40	1.1 ~ 5.6	920	210 ~ 1220	4.78	A	460	4.10	
	2.5 + 2.8	5.3	2.10	2.30	4.40	1.1 ~ 5.6	920	210 ~ 1220	4.78	A	460	4.10	
	2.5 + 3.2	5.7	1.95	2.45	4.40	1.1 ~ 5.6	920	210 ~ 1220	4.78	A	460	4.10	
	2.8 + 2.8	5.6	2.20	2.20	4.40	1.1 ~ 5.6	920	210 ~ 1220	4.78	A	460	4.10	

- Indoor Unit : CS-ME5PKE, CS-E7/9/12QKEW, CS-XE7/9/12QKEW, CS-MRE7RKE, CS-RE9/12RKEW, CS-E9PD3EA, CS-E12QD3EAW, CS-E9/12PB4EA, CS-E9/12GFEW, CS-E9/12GFEW-2, CS-MZ5SKE, CS-MZ5SKE-M, CS-Z7/9SKEW, CS-E7/9SKEW, CS-XE7/9SKEW, CS-XZ7/9SKEW, CS-Z7/9SKEW-M, CS-E7/9SKEW-M, CS-MTZ7SKE, CS-TZ9SKEW

- Outdoor Unit : CU-2E15SBE

Indoor unit capacity Cooling		Total	Cooling Capacity (kW)				Input Power (W)		EER		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	1.60		1.60	1.1 ~ 2.3	410	220 ~ 600	3.90	A	205	1.95	1.0
	2.0	2.0	2.00		2.00	1.1 ~ 2.9	520	220 ~ 750	3.85	A	260	2.45	1.3
	2.5	2.5	2.50		2.50	1.1 ~ 3.5	670	220 ~ 1000	3.73	A	335	3.15	1.5
	2.8	2.8	2.80		2.80	1.1 ~ 3.5	750	220 ~ 1000	3.73	A	375	3.50	1.6
	3.2	3.2	3.20		3.20	1.1 ~ 4.0	920	220 ~ 1220	3.48	A	460	4.30	1.8
2 Room	1.6 + 1.6	3.2	1.60	1.60	3.20	1.5 ~ 4.0	850	250 ~ 1100	3.76	A	425	4.00	1.0 + 1.0
	1.6 + 2.0	3.6	1.60	2.00	3.60	1.5 ~ 4.5	970	250 ~ 1280	3.71	A	485	4.55	1.0 + 1.3
	1.6 + 2.5	4.1	1.60	2.50	4.10	1.5 ~ 5.1	1130	250 ~ 1480	3.63	A	565	5.30	1.0 + 1.5
	1.6 + 2.8	4.4	1.60	2.80	4.40	1.5 ~ 5.2	1220	250 ~ 1520	3.61	A	610	5.70	1.0 + 1.6
	1.6 + 3.2	4.8	1.50	3.00	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.0 + 1.7
	2.0 + 2.0	4.0	2.00	2.00	4.00	1.5 ~ 5.0	1090	250 ~ 1460	3.67	A	545	5.10	1.3 + 1.3
	2.0 + 2.5	4.5	2.00	2.50	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.3 + 1.5
	2.0 + 2.8	4.8	1.85	2.65	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.2 + 1.6
	2.0 + 3.2	5.2	1.75	2.75	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.1 + 1.6
	2.5 + 2.5	5.0	2.25	2.25	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.5 + 1.5
	2.5 + 2.8	5.3	2.10	2.40	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.4 + 1.5
	2.5 + 3.2	5.7	2.00	2.50	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.3 + 1.5
	2.8 + 2.8	5.6	2.25	2.25	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.5 + 1.5

Indoor unit capacity Heating		Total	Heating Capacity (kW)				Input Power (W)		COP		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	2.60		2.60	0.7 ~ 3.8	690	170 ~ 1110	3.77	A	345	3.05	
	2.0	2.0	3.20		3.20	0.7 ~ 4.8	850	170 ~ 1410	3.76	A	425	3.75	
	2.5	2.5	3.60		3.60	0.7 ~ 5.5	1030	170 ~ 1700	3.50	B	515	4.55	
	2.8	2.8	4.00		4.00	0.7 ~ 5.5	1150	170 ~ 1700	3.48	B	575	5.10	
	3.2	3.2	4.50		4.50	0.7 ~ 6.2	1250	170 ~ 1810	3.60	B	625	5.55	
2 Room	1.6 + 1.6	3.2	2.60	2.60	5.20	1.1 ~ 7.0	1130	210 ~ 1710	4.60	A	565	5.00	
	1.6 + 2.0	3.6	2.40	3.00	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 2.5	4.1	2.11	3.29	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 2.8	4.4	1.96	3.44	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 3.2	4.8	1.80	3.60	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	2.0 + 2.0	4.0	2.70	2.70	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.0 + 2.5	4.5	2.40	3.00	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.0 + 2.8	4.8	2.25	3.15	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.0 + 3.2	5.2	2.10	3.30	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.5 + 2.5	5.0	2.70	2.70	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.5 + 2.8	5.3	2.55	2.85	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.5 + 3.2	5.7	2.40	3.00	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.8 + 2.8	5.6	2.70	2.70	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	

- Indoor Unit : CS-ME5PKE, CS-E7/9/12/15/18QKEW, CS-XE7/9/12/18QKEW, CS-MRE7RKE, CS-RE9/12/15/18RKEW, CS-E9PD3EA, CS-E12QD3EAW, CS-E18RD3EAW, CS-E9/12PB4EA, CS-E18RB4EAW, CS-E9/12GFEW, CS-E9/12/18GFEW-2, CS-MZ5SKE, CS-MZ5SKE-M, CS-Z7/9/12SKEW, CS-E7/9/12SKEW, CS-XE7/9/12SKEW, CS-XZ7/9/12SKEW, CS-Z7/9/12SKEW-M, CS-E7/9/12SKEW-M, CS-MTZ7SKE, CS-TZ9/12SKEW

- Outdoor Unit : CU-2E18SBE

Indoor unit capacity Cooling		Total	Cooling Capacity (kW)				Input Power (W)		EER		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	1.60		1.60	1.1 ~ 2.3	410	220 ~ 600	3.90	A	205	1.95	1.0
	2.0	2.0	2.00		2.00	1.1 ~ 2.9	520	220 ~ 750	3.85	A	260	2.45	1.3
	2.5	2.5	2.50		2.50	1.1 ~ 3.5	670	220 ~ 1000	3.73	A	335	3.15	1.5
	2.8	2.8	2.80		2.80	1.1 ~ 3.5	750	220 ~ 1000	3.73	A	375	3.50	1.6
	3.2	3.2	3.20		3.20	1.1 ~ 4.0	920	220 ~ 1220	3.48	A	460	4.30	1.8
	4.0	4.0	4.00		4.00	1.1 ~ 4.2	1280	220 ~ 1390	3.13	B	640	6.00	2.3
	5.0	5.0	5.00		5.00	1.2 ~ 5.1	1690	230 ~ 1790	2.96	C	845	7.80	2.7
2 Room	1.6 + 1.6	3.2	1.60	1.60	3.20	1.5 ~ 4.0	850	250 ~ 1100	3.76	A	425	4.00	1.0 + 1.0
	1.6 + 2.0	3.6	1.60	2.00	3.60	1.5 ~ 4.5	970	250 ~ 1280	3.71	A	485	4.55	1.0 + 1.3
	1.6 + 2.5	4.1	1.60	2.50	4.10	1.5 ~ 5.1	1130	250 ~ 1480	3.63	A	565	5.30	1.0 + 1.5
	1.6 + 2.8	4.4	1.60	2.80	4.40	1.5 ~ 5.2	1220	250 ~ 1520	3.61	A	610	5.70	1.0 + 1.6
	1.6 + 3.2	4.8	1.50	3.00	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.0 + 1.7
	1.6 + 4.0	5.6	1.50	3.70	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.0 + 2.2
	1.6 + 5.0	6.6	1.25	3.95	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	0.8 + 2.3
	2.0 + 2.0	4.0	2.00	2.00	4.00	1.5 ~ 5.0	1090	250 ~ 1460	3.67	A	545	5.10	1.3 + 1.3
	2.0 + 2.5	4.5	2.00	2.50	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.3 + 1.5
	2.0 + 2.8	4.8	1.85	2.65	4.50	1.5 ~ 5.2	1230	250 ~ 1520	3.66	A	615	5.75	1.2 + 1.6
	2.0 + 3.2	5.2	2.00	3.20	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.3 + 1.8
	2.0 + 4.0	6.0	1.75	3.45	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.1 + 2.0
	2.0 + 5.0	7.0	1.50	3.70	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.0 + 2.2
	2.5 + 2.5	5.0	2.50	2.50	5.00	1.5 ~ 5.2	1440	250 ~ 1520	3.47	A	720	6.70	1.5 + 1.5
	2.5 + 2.8	5.3	2.45	2.75	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.5 + 1.6
	2.5 + 3.2	5.7	2.30	2.90	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.5 + 1.7
	2.5 + 4.0	6.5	2.00	3.20	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.3 + 1.8
	2.5 + 5.0	7.5	1.75	3.45	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.1 + 2.0
	2.8 + 2.8	5.6	2.60	2.60	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.6 + 1.6
	2.8 + 3.2	6.0	2.45	2.75	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.5 + 1.6
	2.8 + 4.0	6.8	2.15	3.05	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.4 + 1.7
	3.2 + 3.2	6.4	2.60	2.60	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.6 + 1.6
	3.2 + 4.0	7.2	2.30	2.90	5.20	1.5 ~ 5.4	1520	250 ~ 1580	3.42	A	760	7.10	1.5 + 1.7

Indoor unit capacity Heating		Total	Heating Capacity (kW)				Input Power (W)		COP		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	2.60		2.60	0.7 ~ 3.8	690	170 ~ 1110	3.77	A	345	3.05	
	2.0	2.0	3.20		3.20	0.7 ~ 4.8	850	170 ~ 1410	3.76	A	425	3.75	
	2.5	2.5	3.60		3.60	0.7 ~ 5.5	1030	170 ~ 1700	3.50	B	515	4.55	
	2.8	2.8	4.00		4.00	0.7 ~ 5.5	1150	170 ~ 1700	3.48	B	575	5.10	
	3.2	3.2	4.50		4.50	0.7 ~ 6.2	1250	170 ~ 1810	3.60	B	625	5.55	
	4.0	4.0	5.00		5.00	1.1 ~ 6.4	1550	210 ~ 2180	3.23	C	775	6.90	
	5.0	5.0	5.30		5.30	1.1 ~ 6.8	1640	210 ~ 2290	3.23	C	820	7.30	
2 Room	1.6 + 1.6	3.2	2.60	2.60	5.20	1.1 ~ 7.0	1130	210 ~ 1710	4.60	A	565	5.00	
	1.6 + 2.0	3.6	2.40	3.00	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 2.5	4.1	2.11	3.29	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 2.8	4.4	1.96	3.44	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 3.2	4.8	1.80	3.60	5.40	1.1 ~ 7.0	1180	210 ~ 1690	4.58	A	590	5.25	
	1.6 + 4.0	5.6	1.60	4.00	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	1.6 + 5.0	6.6	1.35	4.25	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.0 + 2.0	4.0	2.70	2.70	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.0 + 2.5	4.5	2.40	3.00	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.0 + 2.8	4.8	2.25	3.15	5.40	1.1 ~ 7.0	1170	210 ~ 1670	4.62	A	585	5.20	
	2.0 + 3.2	5.2	2.15	3.45	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.0 + 4.0	6.0	1.85	3.75	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.0 + 5.0	7.0	1.60	4.00	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.5 + 2.5	5.0	2.80	2.80	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.5 + 2.8	5.3	2.65	2.95	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.5 + 3.2	5.7	2.45	3.15	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.5 + 4.0	6.5	2.15	3.45	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.5 + 5.0	7.5	1.85	3.75	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.8 + 2.8	5.6	2.80	2.80	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.8 + 3.2	6.0	2.60	3.00	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	2.8 + 4.0	6.8	2.30	3.30	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	3.2 + 3.2	6.4	2.80	2.80	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	
	3.2 + 4.0	7.2	2.50	3.10	5.60	1.1 ~ 7.2	1210	210 ~ 1700	4.63	A	605	5.35	

- Indoor Unit : CS-ME5PKE, CS-E7/9/12/15/18/21QKEW, CS-XE7/9/12/18QKEW, CS-MRE7RKE, CS-RE9/12/15/18RKEW, CS-E9PD3EA, CS-E12QD3EAW, CS-E18RD3EAW, CS-E9/12PB4EA, CS-E18/21RB4EAW, CS-E9/12/18GFEW, CS-E9/12/18GFEW-2, CS-MZ5SKE, CS-MZ5SKE-M, CS-Z7/9/12/15/18SKEW, CS-E7/9/12/15/418SKEW, CS-XE7/9/12/18SKEW, CS-XZ7/9/12/18SKEW, CS-Z7/9/12/15/18SKEW-M, CS-E7/9/12/15/18SKEW-M, CS-MTZ7SKE, CS-TZ9/12/15/18SKEW

- Outdoor Unit : CU-3E23SBE

Indoor unit capacity Cooling		Total	Cooling Capacity (kW)					Input Power (W)		EER		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Room C	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	1.60			1.60	1.3 ~ 2.3	400	250 ~ 640	4.00	A	200	2.0	1.0
	2.0	2.0	2.00			2.00	1.8 ~ 2.9	500	340 ~ 810	4.00	A	250	2.5	1.3
	2.5	2.5	2.50			2.50	1.8 ~ 2.9	630	340 ~ 810	3.97	A	315	3.2	1.5
	2.8	2.8	2.80			2.80	1.8 ~ 2.9	700	340 ~ 810	4.00	A	350	3.5	1.6
	3.2	3.2	3.20			3.20	1.8 ~ 3.8	800	340 ~ 1360	4.00	A	400	3.9	1.8
	4.0	4.0	4.00			4.00	1.8 ~ 4.3	1240	340 ~ 1990	3.23	A	620	5.8	2.3
	5.0	5.0	5.00			5.00	1.9 ~ 5.7	1550	340 ~ 2130	3.23	A	775	7.2	2.7
	6.0	6.0	6.00			6.00	1.9 ~ 6.2	2030	340 ~ 2330	2.96	C	1015	9.2	3.3
2 Room	1.6 + 1.6	3.2	1.60	1.60		3.20	1.9 ~ 6.4	630	270 ~ 2010	5.08	A	315	3.0	1.0 + 1.0
	1.6 + 2.0	3.6	1.60	2.00		3.60	1.9 ~ 6.4	770	270 ~ 1970	4.68	A	385	3.6	1.0 + 1.3
	1.6 + 2.5	4.1	1.60	2.50		4.10	1.9 ~ 6.4	930	270 ~ 1970	4.41	A	465	4.2	1.0 + 1.5
	1.6 + 2.8	4.4	1.60	2.80		4.40	1.9 ~ 6.4	1070	270 ~ 1970	4.11	A	535	4.8	1.0 + 1.6
	1.6 + 3.2	4.8	1.60	3.20		4.80	1.9 ~ 6.9	1240	270 ~ 2360	3.87	A	620	5.5	1.0 + 1.8
	1.6 + 4.0	5.6	1.60	4.00		5.60	1.9 ~ 6.9	1680	270 ~ 2320	3.33	A	840	7.5	1.0 + 2.3
	1.6 + 5.0	6.6	1.60	5.00		6.60	2.0 ~ 7.5	2040	280 ~ 2400	3.24	A	1020	9.0	1.0 + 2.7
	1.6 + 6.0	7.6	1.43	5.37		6.80	2.0 ~ 7.5	2180	280 ~ 2400	3.12	B	1090	9.6	0.9 + 2.9
	2.0 + 2.0	4.0	2.00	2.00		4.00	1.9 ~ 6.4	900	270 ~ 1940	4.44	A	450	4.1	1.3 + 1.3
	2.0 + 2.5	4.5	2.00	2.50		4.50	1.9 ~ 6.4	1100	270 ~ 1940	4.09	A	550	4.9	1.3 + 1.5
	2.0 + 2.8	4.8	2.00	2.80		4.80	1.9 ~ 6.4	1240	270 ~ 1940	3.87	A	620	5.5	1.3 + 1.6
	2.0 + 3.2	5.2	2.00	3.20		5.20	1.9 ~ 6.9	1440	270 ~ 2320	3.61	A	720	6.4	1.3 + 1.8
	2.0 + 4.0	6.0	2.00	4.00		6.00	1.9 ~ 6.9	1890	270 ~ 2280	3.17	B	945	8.3	1.3 + 2.3
	2.0 + 5.0	7.0	1.94	4.86		6.80	2.0 ~ 7.5	2180	280 ~ 2350	3.12	B	1090	9.6	1.3 + 2.6
	2.0 + 6.0	8.0	1.70	5.10		6.80	2.0 ~ 7.5	2180	280 ~ 2350	3.12	B	1090	9.6	1.1 + 2.8
	2.5 + 2.5	5.0	2.50	2.50		5.00	1.9 ~ 6.8	1360	270 ~ 2310	3.68	A	680	6.0	1.5 + 1.5
	2.5 + 2.8	5.3	2.50	2.80		5.30	1.9 ~ 6.8	1510	270 ~ 2310	3.51	A	755	6.7	1.5 + 1.6
	2.5 + 3.2	5.7	2.50	3.20		5.70	1.9 ~ 6.9	1720	270 ~ 2320	3.31	A	860	7.6	1.5 + 1.8
	2.5 + 4.0	6.5	2.50	4.00		6.50	1.9 ~ 6.9	2310	270 ~ 2280	2.81	C	1155	10.1	1.5 + 2.3
	2.5 + 5.0	7.5	2.27	4.53		6.80	1.9 ~ 7.5	2180	260 ~ 2350	3.12	B	1090	9.6	1.5 + 2.5
	2.5 + 6.0	8.5	2.00	4.80		6.80	1.9 ~ 7.5	2180	260 ~ 2350	3.12	B	1090	9.6	1.3 + 2.6
	2.8 + 2.8	5.6	2.80	2.80		5.60	1.9 ~ 6.8	1720	270 ~ 2310	3.26	A	860	7.6	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.9 ~ 6.9	1940	270 ~ 2320	3.09	B	970	8.5	1.6 + 1.8
	2.8 + 4.0	6.8	2.80	4.00		6.80	1.9 ~ 6.9	2650	270 ~ 2280	2.57	E	1325	11.6	1.6 + 2.3
	2.8 + 5.0	7.8	2.44	4.36		6.80	1.9 ~ 7.5	2180	260 ~ 2350	3.12	B	1090	9.6	1.5 + 2.4
	2.8 + 6.0	8.8	2.16	4.64		6.80	1.9 ~ 7.5	2180	260 ~ 2350	3.12	B	1090	9.6	1.4 + 2.5
	3.2 + 3.2	6.4	3.20	3.20		6.40	1.9 ~ 7.0	2170	270 ~ 2280	2.95	C	1085	9.5	1.8 + 1.8
	3.2 + 4.0	7.2	3.02	3.78		6.80	1.9 ~ 7.1	2510	270 ~ 2370	2.71	D	1255	11.0	1.7 + 2.2
	3.2 + 5.0	8.2	2.65	4.15		6.80	2.0 ~ 7.6	2090	280 ~ 2360	3.25	A	1045	9.2	1.6 + 2.4
	3.2 + 6.0	9.2	2.37	4.43		6.80	2.0 ~ 7.6	2090	280 ~ 2360	3.25	A	1045	9.2	1.5 + 2.5
	4.0 + 4.0	8.0	3.40	3.40		6.80	1.9 ~ 7.1	2510	260 ~ 2330	2.71	D	1255	11.0	1.9 + 1.9
	4.0 + 5.0	9.0	3.02	3.78		6.80	2.0 ~ 7.6	2090	280 ~ 2310	3.25	A	1045	9.2	1.7 + 2.2
	4.0 + 6.0	10.0	2.72	4.08		6.80	2.0 ~ 7.6	2090	280 ~ 2310	3.25	A	1045	9.2	1.6 + 2.3
	5.0 + 5.0	10.0	3.40	3.40		6.80	2.1 ~ 8.1	1860	320 ~ 2370	3.66	A	930	8.2	1.9 + 1.9
	5.0 + 6.0	11.0	3.09	3.71		6.80	2.1 ~ 8.1	1860	320 ~ 2370	3.66	A	930	8.2	1.7 + 2.2
3 Room	1.6 + 1.6 + 1.6	4.8	1.60	1.60	1.60	4.80	1.9 ~ 8.0	1020	270 ~ 2500	4.71	A	510	4.6	1.0 + 1.0 + 1.0
	1.6 + 1.6 + 2.0	5.2	1.60	1.60	2.00	5.20	1.9 ~ 8.0	1160	270 ~ 2460	4.48	A	580	5.2	1.0 + 1.0 + 1.3
	1.6 + 1.6 + 2.5	5.7	1.60	1.60	2.50	5.70	1.9 ~ 8.0	1390	270 ~ 2460	4.10	A	695	6.2	1.0 + 1.0 + 1.5
	1.6 + 1.6 + 2.8	6.0	1.60	1.60	2.80	6.00	1.9 ~ 8.0	1510	270 ~ 2460	3.97	A	755	6.7	1.0 + 1.0 + 1.6
	1.6 + 1.6 + 3.2	6.4	1.60	1.60	3.20	6.40	1.9 ~ 8.0	1680	270 ~ 2370	3.81	A	840	7.5	1.0 + 1.0 + 1.8
	1.6 + 1.6 + 4.0	7.2	1.51	1.51	3.78	6.80	1.9 ~ 8.1	1910	270 ~ 2460	3.56	A	955	8.4	1.0 + 1.0 + 2.2
	1.6 + 1.6 + 5.0	8.2	1.33	1.33	4.14	6.80	2.0 ~ 8.5	1770	320 ~ 2420	3.84	A	885	7.8	0.8 + 0.8 + 2.4
	1.6 + 1.6 + 6.0	9.2	1.18	1.18	4.44	6.80	2.0 ~ 8.5	1770	320 ~ 2420	3.84	A	885	7.8	0.7 + 0.7 + 2.5

Indoor unit capacity Cooling		Total	Cooling Capacity (kW)					Input Power (W)		EER		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Room C	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
3 Room	1.6 + 2.0 + 2.0	5.6	1.60	2.00	2.00	5.60	1.9 ~ 8.0	1310	270 ~ 2460	4.27	A	655	5.8	1.0 + 1.3 + 1.3
	1.6 + 2.0 + 2.5	6.1	1.60	2.00	2.50	6.10	1.9 ~ 8.0	1560	270 ~ 2460	3.91	A	780	6.9	1.0 + 1.3 + 1.5
	1.6 + 2.0 + 2.8	6.4	1.60	2.00	2.80	6.40	1.9 ~ 8.0	1730	270 ~ 2460	3.70	A	865	7.7	1.0 + 1.3 + 1.6
	1.6 + 2.0 + 3.2	6.8	1.60	2.00	3.20	6.80	1.9 ~ 8.0	1910	270 ~ 2370	3.56	A	955	8.4	1.0 + 1.3 + 1.8
	1.6 + 2.0 + 4.0	7.6	1.43	1.79	3.58	6.80	1.9 ~ 8.1	1910	270 ~ 2420	3.56	A	955	8.4	0.9 + 1.2 + 2.1
	1.6 + 2.0 + 5.0	8.6	1.27	1.58	3.95	6.80	2.0 ~ 8.5	1720	320 ~ 2420	3.95	A	860	7.6	0.8 + 1.0 + 2.3
	1.6 + 2.0 + 6.0	9.6	1.13	1.42	4.25	6.80	2.0 ~ 8.5	1720	320 ~ 2420	3.95	A	860	7.6	0.7 + 0.9 + 2.4
	1.6 + 2.5 + 2.5	6.6	1.60	2.50	2.50	6.60	1.9 ~ 8.0	1820	270 ~ 2460	3.63	A	910	8.0	1.0 + 1.5 + 1.5
	1.6 + 2.5 + 2.8	6.9	1.58	2.46	2.76	6.80	1.9 ~ 8.0	1950	270 ~ 2460	3.49	A	975	8.6	1.0 + 1.5 + 1.6
	1.6 + 2.5 + 3.2	7.3	1.49	2.33	2.98	6.80	1.9 ~ 8.0	1910	270 ~ 2370	3.56	A	955	8.4	0.9 + 1.5 + 1.7
	1.6 + 2.5 + 4.0	8.1	1.34	2.10	3.36	6.80	1.9 ~ 8.1	1910	270 ~ 2420	3.56	A	955	8.4	0.8 + 1.4 + 1.9
	1.6 + 2.5 + 5.0	9.1	1.19	1.87	3.74	6.80	2.0 ~ 8.5	1720	320 ~ 2420	3.95	A	860	7.6	0.7 + 1.2 + 2.2
	1.6 + 2.5 + 6.0	10.1	1.08	1.68	4.04	6.80	2.0 ~ 8.5	1720	320 ~ 2420	3.95	A	860	7.6	0.7 + 1.1 + 2.3
	1.6 + 2.8 + 2.8	7.2	1.52	2.64	2.64	6.80	1.9 ~ 8.0	1950	270 ~ 2460	3.49	A	975	8.6	1.0 + 1.6 + 1.6
	1.6 + 2.8 + 3.2	7.6	1.43	2.51	2.86	6.80	1.9 ~ 8.0	1910	270 ~ 2370	3.56	A	955	8.4	0.9 + 1.5 + 1.7
	1.6 + 2.8 + 4.0	8.4	1.29	2.27	3.24	6.80	1.9 ~ 8.1	1910	270 ~ 2420	3.56	A	955	8.4	0.8 + 1.5 + 1.8
	1.6 + 2.8 + 5.0	9.4	1.15	2.03	3.62	6.80	2.0 ~ 8.5	1720	320 ~ 2420	3.95	A	860	7.6	0.7 + 1.3 + 2.1
	1.6 + 2.8 + 6.0	10.4	1.05	1.83	3.92	6.80	2.0 ~ 8.5	1720	320 ~ 2420	3.95	A	860	7.6	0.7 + 1.2 + 2.3
	1.6 + 3.2 + 3.2	8.0	1.36	2.72	2.72	6.80	1.9 ~ 8.1	1860	290 ~ 2370	3.66	A	930	8.2	0.9 + 1.6 + 1.6
	1.6 + 3.2 + 4.0	8.8	1.24	2.47	3.09	6.80	1.9 ~ 8.2	1860	290 ~ 2420	3.66	A	930	8.2	0.8 + 1.5 + 1.7
	1.6 + 3.2 + 5.0	9.8	1.11	2.22	3.47	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.7 + 1.4 + 2.0
	1.6 + 3.2 + 6.0	10.8	1.01	2.01	3.78	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.7 + 1.3 + 2.2
	1.6 + 4.0 + 4.0	9.6	1.14	2.83	2.83	6.80	1.9 ~ 8.2	1860	290 ~ 2420	3.66	A	930	8.2	0.7 + 1.7 + 1.7
	1.6 + 4.0 + 5.0	10.6	1.02	2.57	3.21	6.80	2.0 ~ 8.5	1720	340 ~ 2330	3.95	A	860	7.6	0.7 + 1.6 + 1.8
	2.0 + 2.0 + 2.0	6.0	2.00	2.00	2.00	6.00	1.9 ~ 8.0	1510	270 ~ 2410	3.97	A	755	6.7	1.3 + 1.3 + 1.3
	2.0 + 2.0 + 2.5	6.5	2.00	2.00	2.50	6.50	1.9 ~ 8.0	1770	270 ~ 2410	3.67	A	885	7.8	1.3 + 1.3 + 1.5
	2.0 + 2.0 + 2.8	6.8	2.00	2.00	2.80	6.80	1.9 ~ 8.0	1910	270 ~ 2410	3.56	A	955	8.4	1.3 + 1.3 + 1.6
	2.0 + 2.0 + 3.2	7.2	1.89	1.89	3.02	6.80	1.9 ~ 8.0	1910	270 ~ 2320	3.56	A	955	8.4	1.2 + 1.2 + 1.7
	2.0 + 2.0 + 4.0	8.0	1.70	1.70	3.40	6.80	1.9 ~ 8.1	1860	290 ~ 2420	3.66	A	930	8.2	1.1 + 1.1 + 1.9
	2.0 + 2.0 + 5.0	9.0	1.51	1.51	3.78	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	1.0 + 1.0 + 2.2
	2.0 + 2.0 + 6.0	10.0	1.36	1.36	4.08	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.9 + 0.9 + 2.3
	2.0 + 2.5 + 2.5	7.0	1.94	2.43	2.43	6.80	1.9 ~ 8.0	1910	270 ~ 2410	3.56	A	955	8.4	1.3 + 1.5 + 1.5
	2.0 + 2.5 + 2.8	7.3	1.86	2.33	2.61	6.80	1.9 ~ 8.0	1910	270 ~ 2410	3.56	A	955	8.4	1.2 + 1.5 + 1.6
	2.0 + 2.5 + 3.2	7.7	1.76	2.21	2.83	6.80	1.9 ~ 8.0	1910	270 ~ 2320	3.56	A	955	8.4	1.1 + 1.4 + 1.7
	2.0 + 2.5 + 4.0	8.5	1.60	2.00	3.20	6.80	1.9 ~ 8.1	1860	290 ~ 2420	3.66	A	930	8.2	1.0 + 1.3 + 1.8
	2.0 + 2.5 + 5.0	9.5	1.43	1.79	3.58	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.9 + 1.2 + 2.1
	2.0 + 2.5 + 6.0	10.5	1.29	1.62	3.89	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.8 + 1.0 + 2.3
	2.0 + 2.8 + 2.8	7.6	1.78	2.51	2.51	6.80	1.9 ~ 8.0	1910	270 ~ 2410	3.56	A	955	8.4	1.1 + 1.5 + 1.5
	2.0 + 2.8 + 3.2	8.0	1.70	2.38	2.72	6.80	1.9 ~ 8.0	1910	270 ~ 2320	3.56	A	955	8.4	1.1 + 1.5 + 1.6
	2.0 + 2.8 + 4.0	8.8	1.55	2.16	3.09	6.80	1.9 ~ 8.1	1860	290 ~ 2420	3.66	A	930	8.2	1.0 + 1.4 + 1.7
	2.0 + 2.8 + 5.0	9.8	1.39	1.94	3.47	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.9 + 1.3 + 2.0
	2.0 + 2.8 + 6.0	10.8	1.26	1.76	3.78	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	0.8 + 1.1 + 2.2
	2.0 + 3.2 + 3.2	8.4	1.62	2.59	2.59	6.80	1.9 ~ 8.1	1860	290 ~ 2330	3.66	A	930	8.2	1.0 + 1.6 + 1.6
	2.0 + 3.2 + 4.0	9.2	1.47	2.37	2.96	6.80	1.9 ~ 8.2	1860	290 ~ 2420	3.66	A	930	8.2	0.9 + 1.5 + 1.7
	2.0 + 3.2 + 5.0	10.2	1.33	2.13	3.34	6.80	2.0 ~ 8.5	1720	340 ~ 2330	3.95	A	860	7.6	0.8 + 1.4 + 1.9
	2.0 + 4.0 + 4.0	10.0	1.36	2.72	2.72	6.80	1.9 ~ 8.2	1810	290 ~ 2370	3.76	A	905	7.9	0.9 + 1.6 + 1.6
	2.0 + 4.0 + 5.0	11.0	1.24	2.47	3.09	6.80	2.0 ~ 8.5	1720	340 ~ 2330	3.95	A	860	7.6	0.8 + 1.5 + 1.7
	2.5 + 2.5 + 2.5	7.5	2.26	2.26	2.26	6.78	1.9 ~ 8.0	1910	270 ~ 2410	3.55	A	955	8.4	1.5 + 1.5 + 1.5
	2.5 + 2.5 + 2.8	7.8	2.18	2.18	2.44	6.80	1.9 ~ 8.0	1910	270 ~ 2410	3.56	A	955	8.4	1.4 + 1.4 + 1.5
	2.5 + 2.5 + 3.2	8.2	2.07	2.07	2.66	6.80	1.9 ~ 8.0	1910	270 ~ 2320	3.56	A	955	8.4	1.3 + 1.3 + 1.6
	2.5 + 2.5 + 4.0	9.0	1.89	1.89	3.02	6.80	1.9 ~ 8.1	1860	290 ~ 2420	3.66	A	930	8.2	1.2 + 1.2 + 1.7
	2.5 + 2.5 + 5.0	10.0	1.70	1.70	3.40	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	1.1 + 1.1 + 1.9
	2.5 + 2.5 + 6.0	11.0	1.55	1.55	3.70	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	1.0 + 1.0 + 2.2
	2.5 + 2.8 + 2.8	8.1	2.10	2.35	2.35	6.80	1.9 ~ 8.0	1910	270 ~ 2410	3.56	A	955	8.4	1.4 + 1.5 + 1.5
	2.5 + 2.8 + 3.2	8.5	2.00	2.24	2.56	6.80	1.9 ~ 8.0	1910	270 ~ 2320	3.56	A	955	8.4	1.3 + 1.5 + 1.6
	2.5 + 2.8 + 4.0	9.3	1.83	2.05	2.92	6.80	1.9 ~ 8.1	1860	290 ~ 2420	3.66	A	930	8.2	1.2 + 1.3 + 1.7
	2.8 + 2.8 + 5.0	10.3	1.65	1.85	3.30	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	1.1 + 1.2 + 1.9
	2.5 + 3.2 + 3.2	8.9	1.92	2.44	2.44	6.80	1.9 ~ 8.1	1860	290 ~ 2330	3.66	A	930	8.2	1.2 + 1.5 + 1.5
	2.5 + 3.2 + 4.0	9.7	1.75	2.24	2.81	6.80	1.9 ~ 8.2	1860	290 ~ 2420	3.66	A	930	8.2	1.1 + 1.5 + 1.6
	2.5 + 3.2 + 5.0	10.7	1.59	2.03	3.18	6.80	2.0 ~ 8.5	1720	340 ~ 2330	3.95	A	860	7.6	1.0 + 1.3 + 1.8

Indoor unit capacity Cooling		Total	Cooling Capacity (kW)					Input Power (W)		EER		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Room C	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
3 Room	2.5 + 4.0 + 4.0	10.5	1.62	2.59	2.59	6.80	1.9 ~ 8.2	1810	290 ~ 2370	3.76	A	905	7.9	1.0 + 1.6 + 1.6
	2.8 + 2.8 + 2.8	8.4	2.26	2.26	2.26	6.78	1.9 ~ 8.0	1910	270 ~ 2410	3.55	A	955	8.4	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.16	2.16	2.48	6.80	1.9 ~ 8.0	1910	270 ~ 2320	3.56	A	955	8.4	1.4 + 1.4 + 1.5
	2.8 + 2.8 + 4.0	9.6	1.98	1.98	2.84	6.80	1.9 ~ 8.1	1860	290 ~ 2420	3.66	A	930	8.2	1.3 + 1.3 + 1.7
	2.8 + 2.8 + 5.0	10.6	1.80	1.80	3.20	6.80	2.0 ~ 8.5	1720	340 ~ 2380	3.95	A	860	7.6	1.2 + 1.2 + 1.8
	2.8 + 3.2 + 3.2	9.2	2.06	2.37	2.37	6.80	1.9 ~ 8.1	1860	290 ~ 2330	3.66	A	930	8.2	1.3 + 1.5 + 1.5
	2.8 + 3.2 + 4.0	10.0	1.90	2.18	2.72	6.80	1.9 ~ 8.2	1860	290 ~ 2420	3.66	A	930	8.2	1.2 + 1.4 + 1.6
	2.8 + 3.2 + 5.0	11.0	1.73	1.98	3.09	6.80	2.0 ~ 8.5	1720	340 ~ 2330	3.95	A	860	7.6	1.1 + 1.3 + 1.7
	2.8 + 4.0 + 4.0	10.8	1.76	2.52	2.52	6.80	1.9 ~ 8.2	1810	290 ~ 2370	3.76	A	905	7.9	1.1 + 1.5 + 1.5
	3.2 + 3.2 + 3.2	9.6	2.26	2.26	2.26	6.78	1.9 ~ 8.2	1810	290 ~ 2330	3.75	A	905	7.9	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 4.0	10.4	2.09	2.09	2.62	6.80	1.9 ~ 8.2	1810	290 ~ 2330	3.76	A	905	7.9	1.4 + 1.4 + 1.6

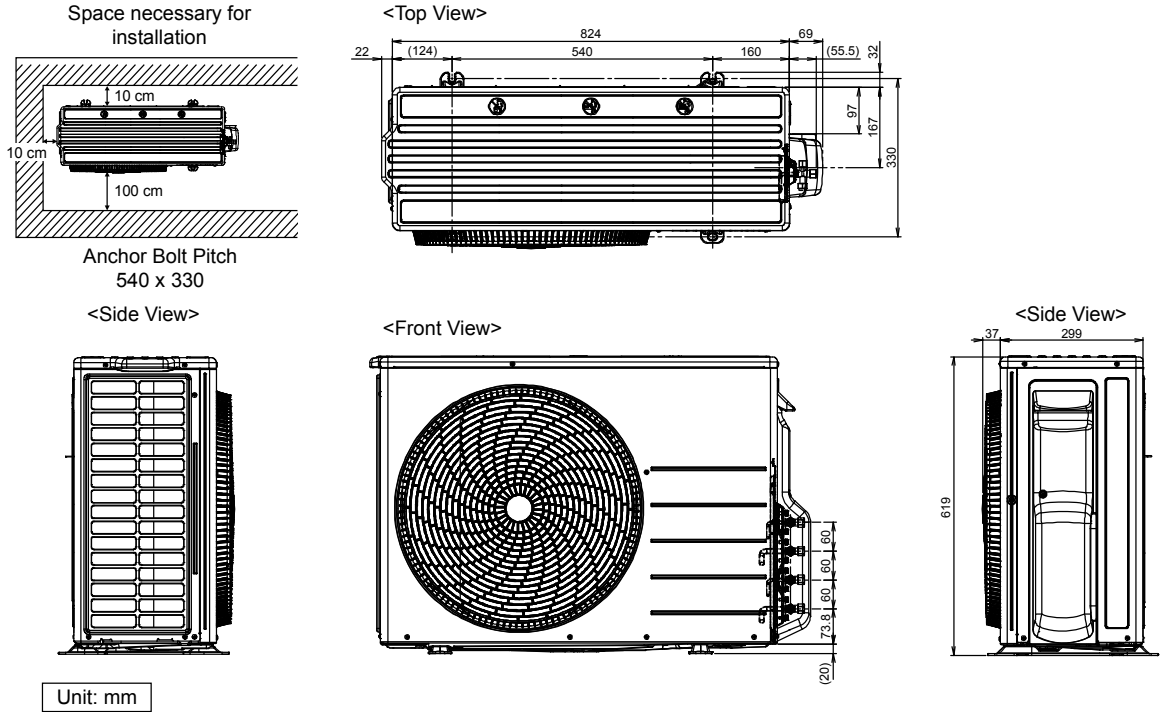
Indoor unit capacity Heating		Total	Heating Capacity (kW)					Input Power (W)		COP		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Room C	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
1 Room	1.6	1.6	2.60			2.60	1.2 ~ 3.2	600	300 ~ 960	4.33	A	300	3.0	
	2.0	2.0	3.20			3.20	1.2 ~ 4.1	740	300 ~ 1230	4.32	A	370	3.7	
	2.5	2.5	3.60			3.60	1.2 ~ 4.3	940	300 ~ 1230	3.83	A	470	4.7	
	2.8	2.8	4.00			4.00	1.2 ~ 4.3	1050	300 ~ 1230	3.81	A	525	5.2	
	3.2	3.2	4.50			4.50	1.2 ~ 5.8	1230	300 ~ 2100	3.66	A	615	6.0	
	4.0	4.0	5.60			5.60	1.2 ~ 6.8	1720	300 ~ 2930	3.26	C	860	8.0	
	5.0	5.0	6.80			6.80	1.2 ~ 6.9	2100	300 ~ 2520	3.24	C	1050	9.7	
	6.0	6.0	8.50			8.50	1.3 ~ 9.0	2400	620 ~ 2530	3.54	B	1200	11.1	
2 Room	1.6 + 1.6	3.2	2.60	2.60		5.20	2.7 ~ 9.8	1300	660 ~ 2920	4.00	A	650	6.1	
	1.6 + 2.0	3.6	2.58	3.22		5.80	2.7 ~ 9.8	1480	650 ~ 2920	3.92	A	740	6.9	
	1.6 + 2.5	4.1	2.38	3.72		6.10	2.7 ~ 9.8	1580	650 ~ 2920	3.86	A	790	7.4	
	1.6 + 2.8	4.4	2.22	3.88		6.10	2.7 ~ 9.8	1580	650 ~ 2920	3.86	A	790	7.4	
	1.6 + 3.2	4.8	2.13	4.27		6.40	2.7 ~ 9.9	1620	630 ~ 2930	3.95	A	810	7.5	
	1.6 + 4.0	5.6	2.29	5.71		8.00	2.7 ~ 9.9	2220	630 ~ 2930	3.60	A	1110	10.2	
	1.6 + 5.0	6.6	2.06	6.44		8.50	2.8 ~ 10.2	2260	560 ~ 2900	3.76	A	1130	10.4	
	1.6 + 6.0	7.6	1.79	6.71		8.50	2.8 ~ 10.2	2260	560 ~ 2900	3.76	A	1130	10.4	
	2.0 + 2.0	4.0	2.90	2.90		5.80	2.7 ~ 9.8	1440	640 ~ 2930	4.03	A	720	6.7	
	2.0 + 2.5	4.5	2.71	3.39		6.10	2.7 ~ 9.8	1570	640 ~ 2930	3.89	A	785	7.3	
	2.0 + 2.8	4.8	2.67	3.73		6.40	2.7 ~ 9.8	1670	640 ~ 2930	3.83	A	835	7.8	
	2.0 + 3.2	5.2	2.69	4.31		7.00	2.7 ~ 9.9	1860	630 ~ 2930	3.76	A	930	8.6	
	2.0 + 4.0	6.0	2.73	5.47		8.20	2.7 ~ 9.9	2290	620 ~ 2930	3.58	B	1145	10.6	
	2.0 + 5.0	7.0	2.43	6.07		8.50	2.8 ~ 10.2	2260	560 ~ 2890	3.76	A	1130	10.4	
	2.0 + 6.0	8.0	2.12	6.38		8.50	2.8 ~ 10.2	2260	560 ~ 2890	3.76	A	1130	10.4	
	2.5 + 2.5	5.0	3.20	3.20		6.40	2.7 ~ 9.8	1670	640 ~ 2930	3.83	A	835	7.8	
	2.5 + 2.8	5.3	3.30	3.70		7.00	2.7 ~ 9.8	1870	640 ~ 2930	3.74	A	935	8.6	
	2.5 + 3.2	5.7	3.55	4.55		8.10	2.7 ~ 9.9	2250	630 ~ 2930	3.60	B	1125	10.4	
	2.5 + 4.0	6.5	3.27	5.23		8.50	2.7 ~ 9.9	2440	620 ~ 2930	3.48	B	1220	11.3	
	2.5 + 5.0	7.5	2.83	5.67		8.50	2.8 ~ 10.2	2260	560 ~ 2890	3.76	A	1130	10.4	
	2.5 + 6.0	8.5	2.50	6.00		8.50	2.8 ~ 10.2	2260	560 ~ 2890	3.76	A	1130	10.4	
	2.8 + 2.8	5.6	4.00	4.00		8.00	2.7 ~ 9.8	2260	640 ~ 2930	3.54	B	1130	10.4	
	2.8 + 3.2	6.0	3.97	4.53		8.50	2.7 ~ 9.9	2440	630 ~ 2930	3.48	B	1220	11.3	
	2.8 + 4.0	6.8	3.50	5.00		8.50	2.7 ~ 9.9	2440	620 ~ 2930	3.48	B	1220	11.3	
	2.8 + 5.0	7.8	3.05	5.45		8.50	2.8 ~ 10.2	2260	560 ~ 2890	3.76	A	1130	10.4	
	2.8 + 6.0	8.8	2.70	5.80		8.50	2.8 ~ 10.2	2260	560 ~ 2890	3.76	A	1130	10.4	
	3.2 + 3.2	6.4	4.25	4.25		8.50	2.8 ~ 10.0	2390	640 ~ 2930	3.56	B	1195	11.0	
	3.2 + 4.0	7.2	3.78	4.72		8.50	2.8 ~ 10.0	2390	600 ~ 2930	3.56	B	1195	11.0	
	3.2 + 5.0	8.2	3.32	5.18		8.50	2.8 ~ 10.3	2200	540 ~ 2880	3.86	A	1100	10.1	
	3.2 + 6.0	9.2	2.96	5.54		8.50	2.8 ~ 10.3	2200	540 ~ 2880	3.86	A	1100	10.1	
	4.0 + 4.0	8.0	4.25	4.25		8.50	2.8 ~ 10.0	2380	600 ~ 2890	3.57	B	1190	11.0	
	4.0 + 5.0	9.0	3.78	4.72		8.50	2.8 ~ 10.3	2190	540 ~ 2870	3.88	A	1095	10.1	
	4.0 + 6.0	10.0	3.40	5.10		8.50	2.8 ~ 10.3	2190	540 ~ 2870	3.88	A	1095	10.1	
	5.0 + 5.0	10.0	4.25	4.25		8.50	2.8 ~ 10.5	2050	510 ~ 2780	4.15	A	1025	9.5	
	5.0 + 6.0	11.0	3.86	4.64		8.50	2.8 ~ 10.5	2050	510 ~ 2780	4.15	A	1025	9.5	

Indoor unit capacity Heating		Total	Heating Capacity (kW)					Input Power (W)		COP		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Room C	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
3 Room	1.6 + 1.6 + 1.6	4.8	2.60	2.60	2.60	7.80	3.3 ~ 10.4	1900	640 ~ 2860	4.11	A	950	8.8	
	1.6 + 1.6 + 2.0	5.2	2.58	2.58	3.24	8.40	3.3 ~ 10.4	2120	640 ~2850	3.96	A	1060	9.8	
	1.6 + 1.6 + 2.5	5.7	2.39	2.39	3.72	8.50	3.3 ~ 10.4	2160	640 ~2850	3.94	A	1080	10.0	
	1.6 + 1.6 + 2.8	6.0	2.27	2.27	3.96	8.50	3.3 ~ 10.4	2160	640 ~ 2850	3.94	A	1080	10.0	
	1.6 + 1.6 + 3.2	6.4	2.13	2.13	4.24	8.50	3.3 ~ 10.4	2100	630 ~2830	4.05	A	1050	9.7	
	1.6 + 1.6 + 4.0	7.2	1.89	1.89	4.72	8.50	3.3 ~ 10.5	2090	620 ~ 2860	4.07	A	1045	9.6	
	1.6 + 1.6 + 5.0	8.2	1.66	1.66	5.18	8.50	3.2 ~ 10.6	1960	600 ~ 2720	4.34	AA	980	9.0	
	1.6 + 1.6 + 6.0	9.2	1.48	1.48	5.54	8.50	3.2 ~ 10.6	1960	600 ~ 2720	4.34	A	980	9.0	
	1.6 + 2.0 + 2.0	5.6	2.42	3.04	3.04	8.50	3.3 ~ 10.4	2150	630 ~2840	3.95	A	1075	9.9	
	1.6 + 2.0 + 2.5	6.1	2.23	2.79	3.48	8.50	3.3 ~ 10.4	2150	630 ~2840	3.95	A	1075	9.9	
	1.6 + 2.0 + 2.8	6.4	2.12	2.66	3.72	8.50	3.3 ~ 10.4	2150	630 ~ 2840	3.95	A	1075	9.9	
	1.6 + 2.0 + 3.2	6.8	2.00	2.50	4.00	8.50	3.3 ~ 10.4	2090	620 ~ 2780	4.07	A	1045	9.6	
	1.6 + 2.0 + 4.0	7.6	1.79	2.24	4.47	8.50	3.3 ~ 10.5	2080	620 ~ 2810	4.09	A	1040	9.6	
	1.6 + 2.0 + 5.0	8.6	1.58	1.98	4.94	8.50	3.2 ~ 10.6	1950	600 ~ 2710	4.36	A	975	9.0	
	1.6 + 2.0 + 6.0	9.6	1.42	1.77	5.31	8.50	3.2 ~ 10.6	1950	600 ~2710	4.36	A	975	9.0	
	1.6 + 2.5 + 2.5	6.6	2.06	3.22	3.22	8.50	3.3 ~ 10.4	2150	630 ~2840	3.95	A	1075	9.9	
	1.6 + 2.5 + 2.8	6.9	1.97	3.08	3.45	8.50	3.3 ~ 10.4	2150	630 ~2840	3.95	A	1075	9.9	
	1.6 + 2.5 + 3.2	7.3	1.86	2.91	3.73	8.50	3.3 ~ 10.4	2090	620 ~ 2780	4.07	A	1045	9.6	
	1.6 + 2.5 + 4.0	8.1	1.68	2.62	4.20	8.50	3.3 ~ 10.5	2080	620 ~ 2810	4.09	A	1040	9.6	
	1.6 + 2.5 + 5.0	9.1	1.49	2.34	4.67	8.50	3.2 ~ 10.6	1950	600 ~ 2710	4.36	A	975	9.0	
	1.6 + 2.5 + 6.0	10.1	1.35	2.10	5.05	8.50	3.2 ~ 10.6	1950	600 ~ 2710	4.36	A	975	9.0	
	1.6 + 2.8 + 2.8	7.2	1.88	3.31	3.31	8.50	3.3 ~ 10.4	2150	630 ~ 2840	3.95	A	1075	9.9	
	1.6 + 2.8 + 3.2	7.6	1.79	3.13	3.58	8.50	3.3 ~ 10.4	2090	620 ~ 2780	4.07	A	1045	9.6	
	1.6 + 2.8 + 4.0	8.4	1.62	2.83	4.05	8.50	3.3 ~ 10.5	2080	620 ~ 2810	4.09	A	1040	9.6	
	1.6 + 2.8 + 5.0	9.4	1.45	2.53	4.52	8.50	3.2 ~ 10.6	1950	600 ~ 2710	4.36	A	975	9.0	
	1.6 + 2.8 + 6.0	10.4	1.31	2.29	4.90	8.50	3.2 ~ 10.6	1950	600 ~ 2710	4.36	A	975	9.0	
	1.6 + 3.2 + 3.2	8.0	1.70	3.40	3.40	8.50	3.3 ~ 10.5	2070	640 ~ 2790	4.11	A	1035	9.5	
	1.6 + 3.2 + 4.0	8.8	1.55	3.09	3.86	8.50	3.3 ~ 10.5	2060	640 ~ 2790	4.13	A	1030	9.5	
	1.6 + 3.2 + 5.0	9.8	1.38	2.78	4.34	8.50	3.2 ~ 10.6	1930	600 ~ 2680	4.40	A	965	8.9	
	1.6 + 3.2 + 6.0	10.8	1.26	2.52	4.72	8.50	3.2 ~ 10.6	1930	600 ~ 2680	4.40	A	965	8.9	
	1.6 + 4.0 + 4.0	9.6	1.42	3.54	3.54	8.50	3.3 ~ 10.5	2050	640 ~ 2780	4.15	A	1025	9.5	
	1.6 + 4.0 + 5.0	10.6	1.28	3.21	4.01	8.50	3.2 ~ 10.6	1920	600 ~ 2670	4.43	A	960	8.9	
	2.0 + 2.0 + 2.0	6.0	2.83	2.83	2.83	8.49	3.3 ~ 10.4	2110	630 ~2830	4.02	A	1055	9.7	
	2.0 + 2.0 + 2.5	6.5	2.62	2.62	3.26	8.50	3.3 ~ 10.4	2110	630 ~2830	4.03	A	1055	9.7	
	2.0 + 2.0 + 2.8	6.8	2.50	2.50	3.50	8.50	3.3 ~ 10.4	2110	630 ~2830	4.03	A	1055	9.7	
	2.0 + 2.0 + 3.2	7.2	2.36	2.36	3.78	8.50	3.3 ~ 10.4	2080	620 ~ 2770	4.09	A	1040	9.6	
	2.0 + 2.0 + 4.0	8.0	2.13	2.13	4.24	8.50	3.3 ~ 10.5	2070	620 ~ 2800	4.11	A	1035	9.6	
	2.0 + 2.0 + 5.0	9.0	1.89	1.89	4.72	8.50	3.2 ~ 10.6	1940	600 ~2700	4.38	A	970	8.9	
	2.0 + 2.0 + 6.0	10.0	1.70	1.70	5.10	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.0 + 2.5 + 2.5	7.0	2.42	3.04	3.04	8.50	3.3 ~ 10.4	2110	630 ~ 2830	4.03	A	1055	9.7	
	2.0 + 2.5 + 2.8	7.3	2.33	2.91	3.26	8.50	3.3 ~ 10.4	2110	630 ~2830	4.03	A	1055	9.7	
	2.0 + 2.5 + 3.2	7.7	2.21	2.76	3.53	8.50	3.3 ~ 10.4	2080	620 ~ 2770	4.09	A	1040	9.6	
	2.0 + 2.5 + 4.0	8.5	2.00	2.50	4.00	8.50	3.3 ~ 10.5	2070	620 ~ 2800	4.11	A	1035	9.5	
	2.0 + 2.5 + 5.0	9.5	1.79	2.24	4.47	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.0 + 2.5 + 6.0	10.5	1.62	2.02	4.86	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.0 + 2.8 + 2.8	7.6	2.24	3.13	3.13	8.50	3.3 ~ 10.4	2110	630 ~2830	4.03	A	1055	9.7	
	2.0 + 2.8 + 3.2	8.0	2.12	2.98	3.40	8.50	3.3 ~ 10.4	2080	620 ~ 2770	4.09	A	1040	9.6	
	2.0 + 2.8 + 4.0	8.8	1.93	2.70	3.87	8.50	3.3 ~ 10.5	2070	620 ~ 2800	4.11	A	1035	9.5	
	2.0 + 2.8 + 5.0	9.8	1.73	2.43	4.34	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.0 + 2.8 + 6.0	10.8	1.57	2.20	4.73	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.0 + 3.2 + 3.2	8.4	2.02	3.24	3.24	8.50	3.3 ~ 10.5	2060	640 ~ 2790	4.13	A	1030	9.5	
	2.0 + 3.2 + 4.0	9.2	1.84	2.96	3.70	8.50	3.3 ~ 10.5	2050	640 ~ 2780	4.15	A	1025	9.5	
	2.0 + 3.2 + 5.0	10.2	1.66	2.67	4.17	8.50	3.2 ~ 10.6	1920	600 ~ 2670	4.43	A	960	8.9	
	2.0 + 4.0 + 4.0	10.0	1.70	3.40	3.40	8.50	3.3 ~ 10.5	2040	630 ~2770	4.17	A	1020	9.4	
	2.0 + 4.0 + 5.0	11.0	1.55	3.09	3.86	8.50	3.2 ~ 10.6	1910	620 ~ 2660	4.45	A	955	8.8	
	2.5 + 2.5 + 2.5	7.5	2.83	2.83	2.83	8.49	3.3 ~ 10.4	2110	630 ~2830	4.02	A	1055	9.7	
	2.5 + 2.5 + 2.8	7.8	2.72	2.72	3.06	8.50	3.3 ~ 10.4	2110	630 ~2830	4.03	A	1055	9.7	
	2.5 + 2.5 + 3.2	8.2	2.59	2.59	3.32	8.50	3.3 ~ 10.4	2080	620 ~ 2770	4.09	A	1040	9.6	
	2.5 + 2.5 + 4.0	9.0	2.36	2.36	3.78	8.50	3.3 ~ 10.5	2070	620 ~ 2800	4.11	A	1035	9.5	
	2.5 + 2.5 + 5.0	10.0	2.13	2.13	4.24	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	

Indoor unit capacity Heating		Total	Heating Capacity (kW)					Input Power (W)		COP		ANNUAL ENERGY CONSUMPTION (kWh)	Current, 230V (A)	MOISTURE REMOVAL VOLUME l/h
			Room A	Room B	Room C	Total	min ~ max	Rating	min ~ max	W/W	CLASS			
3 Room	2.5 + 2.5 + 6.0	11.0	1.93	1.93	4.64	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.5 + 2.8 + 2.8	8.1	2.62	2.94	2.94	8.50	3.3 ~ 10.4	2110	630 ~2830	4.03	A	1055	9.7	
	2.5 + 2.8 + 3.2	8.5	2.50	2.80	3.20	8.50	3.3 ~ 10.4	2080	620 ~ 2770	4.09	A	1040	9.6	
	2.5 + 2.8 + 4.0	9.3	2.28	2.56	3.66	8.50	3.3 ~ 10.5	2070	620 ~2800	4.11	A	1035	9.5	
	2.8 + 2.8 + 5.0	10.3	2.06	2.31	4.13	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.5 + 3.2 + 3.2	8.9	2.38	3.06	3.06	8.50	3.3 ~ 10.5	2060	640 ~ 2790	4.13	A	1030	9.5	
	2.5 + 3.2 + 4.0	9.7	2.19	2.80	3.51	8.50	3.3 ~ 10.5	2050	640 ~ 2780	4.15	A	1025	9.5	
	2.5 + 3.2 + 5.0	10.7	1.99	2.54	3.97	8.50	3.2 ~ 10.6	1920	600 ~ 2670	4.43	A	960	8.9	
	2.5 + 4.0 + 4.0	10.5	2.02	3.24	3.24	8.50	3.3 ~ 10.5	2040	630 ~2770	4.17	A	1020	9.4	
	2.8 + 2.8 + 2.8	8.4	2.83	2.83	2.83	8.49	3.3 ~ 10.4	2110	630 ~2830	4.02	A	1055	9.7	
	2.8 + 2.8 + 3.2	8.8	2.70	2.70	3.10	8.50	3.3 ~ 10.4	2080	620 ~2770	4.09	A	1040	9.6	
	2.8 + 2.8 + 4.0	9.6	2.48	2.48	3.54	8.50	3.3 ~ 10.5	2070	620 ~ 2800	4.11	A	1035	9.5	
	2.8 + 2.8 + 5.0	10.6	2.25	2.25	4.00	8.50	3.2 ~ 10.6	1940	600 ~ 2700	4.38	A	970	8.9	
	2.8 + 3.2 + 3.2	9.2	2.58	2.96	2.96	8.50	3.3 ~ 10.5	2060	640 ~ 2790	4.13	A	1030	9.5	
	2.8 + 3.2 + 4.0	10.0	2.38	2.72	3.40	8.50	3.3 ~ 10.5	2050	640 ~ 2780	4.15	A	1025	9.5	
	2.8 + 3.2 + 5.0	11.0	2.16	2.47	3.87	8.50	3.2 ~ 10.6	1920	600 ~ 2670	4.43	A	960	8.9	
	2.8 + 4.0 + 4.0	10.8	2.20	3.15	3.15	8.50	3.3 ~ 10.5	2040	630 ~2770	4.17	A	1020	9.4	
	3.2 + 3.2 + 3.2	9.6	2.83	2.83	2.83	8.49	3.3 ~ 10.5	2000	630 ~2760	4.25	A	1000	9.2	
	3.2 + 3.2 + 4.0	10.4	2.62	2.62	3.26	8.50	3.3 ~ 10.5	1990	630 ~ 2710	4.27	A	995	9.2	

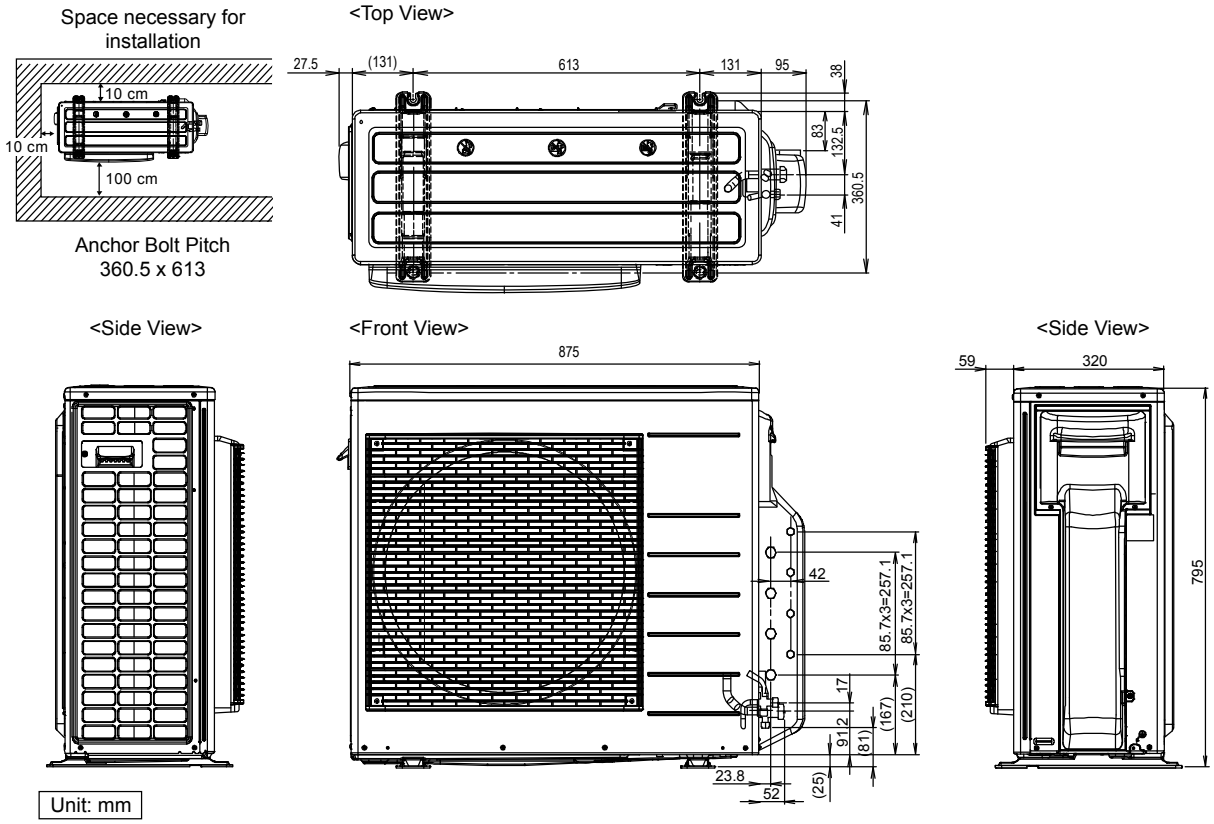
3. Dimensions

3.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE



Unit: mm

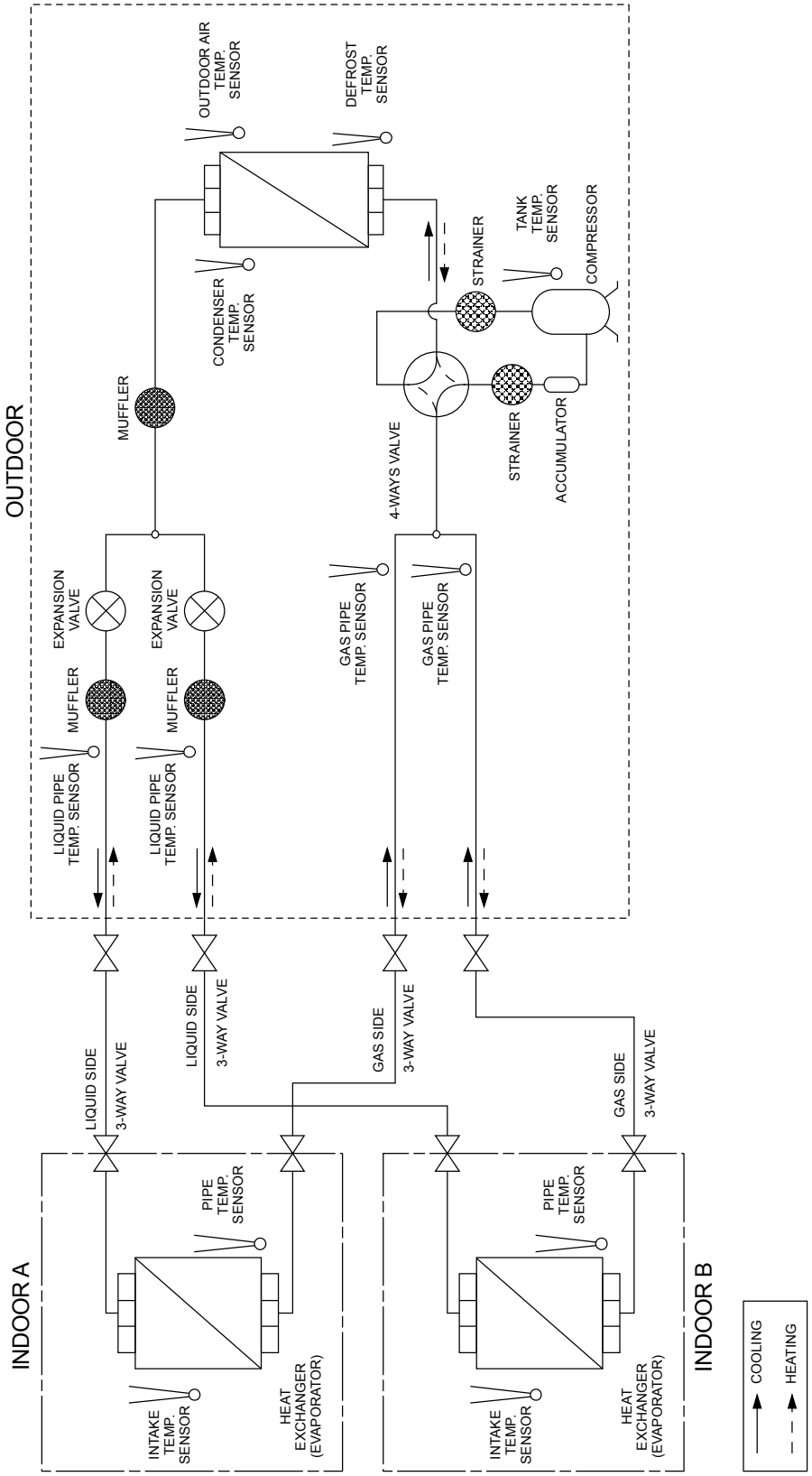
3.2 CU-3E23SBE



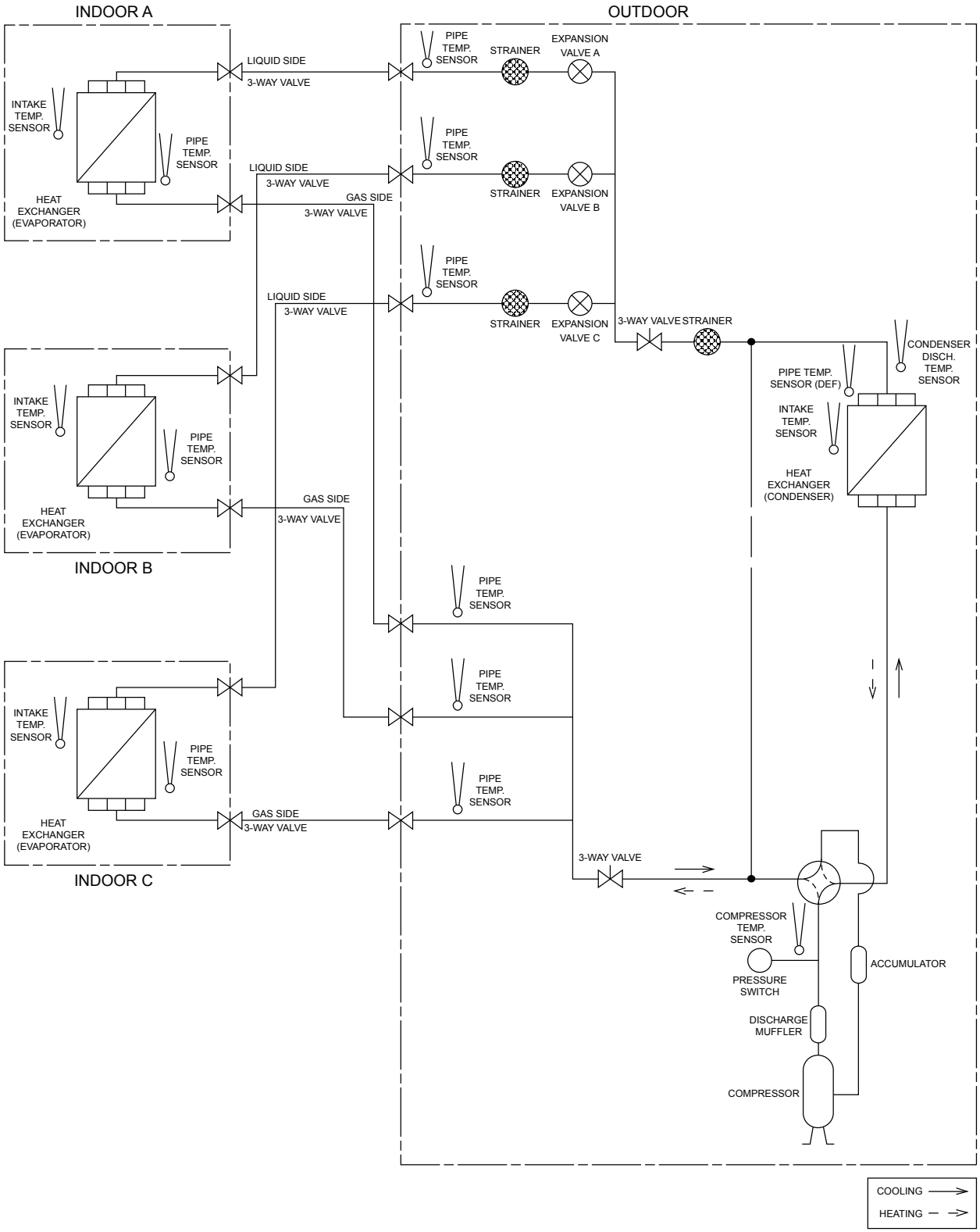
Unit: mm

4. Refrigeration Cycle Diagram

4.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE

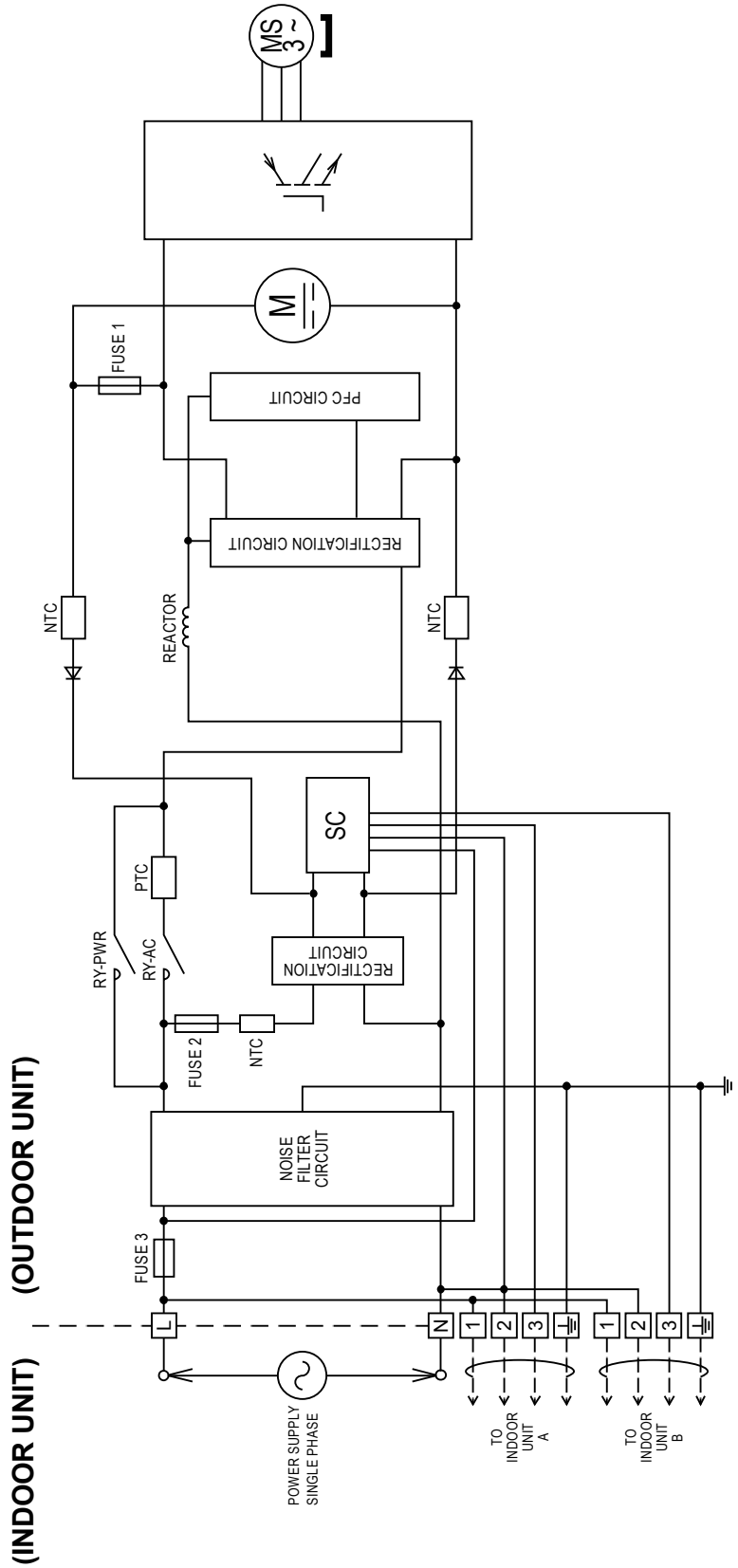


4.2 CU-3E23SBE

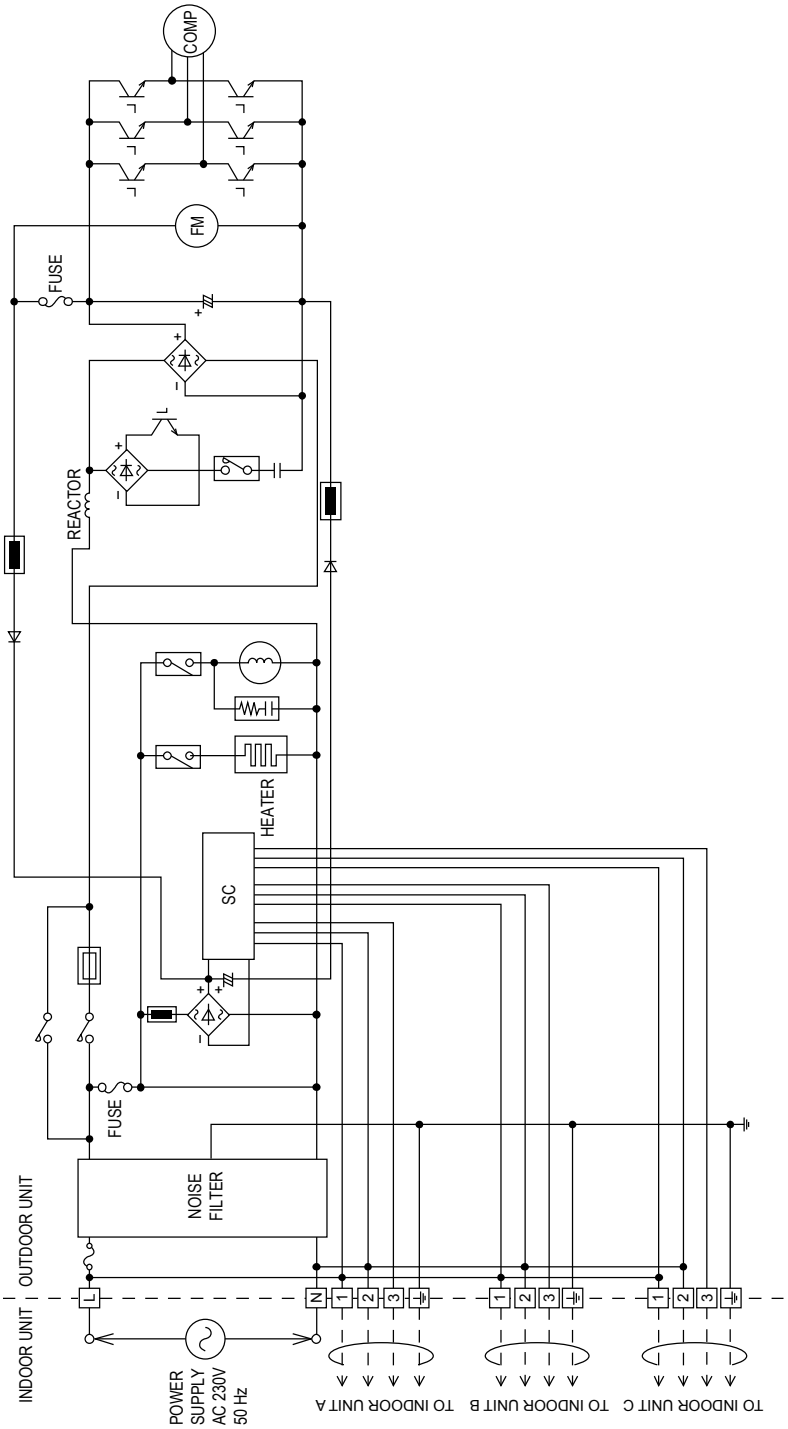


5. Block Diagram

5.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE



5.2 CU-3E23SBE

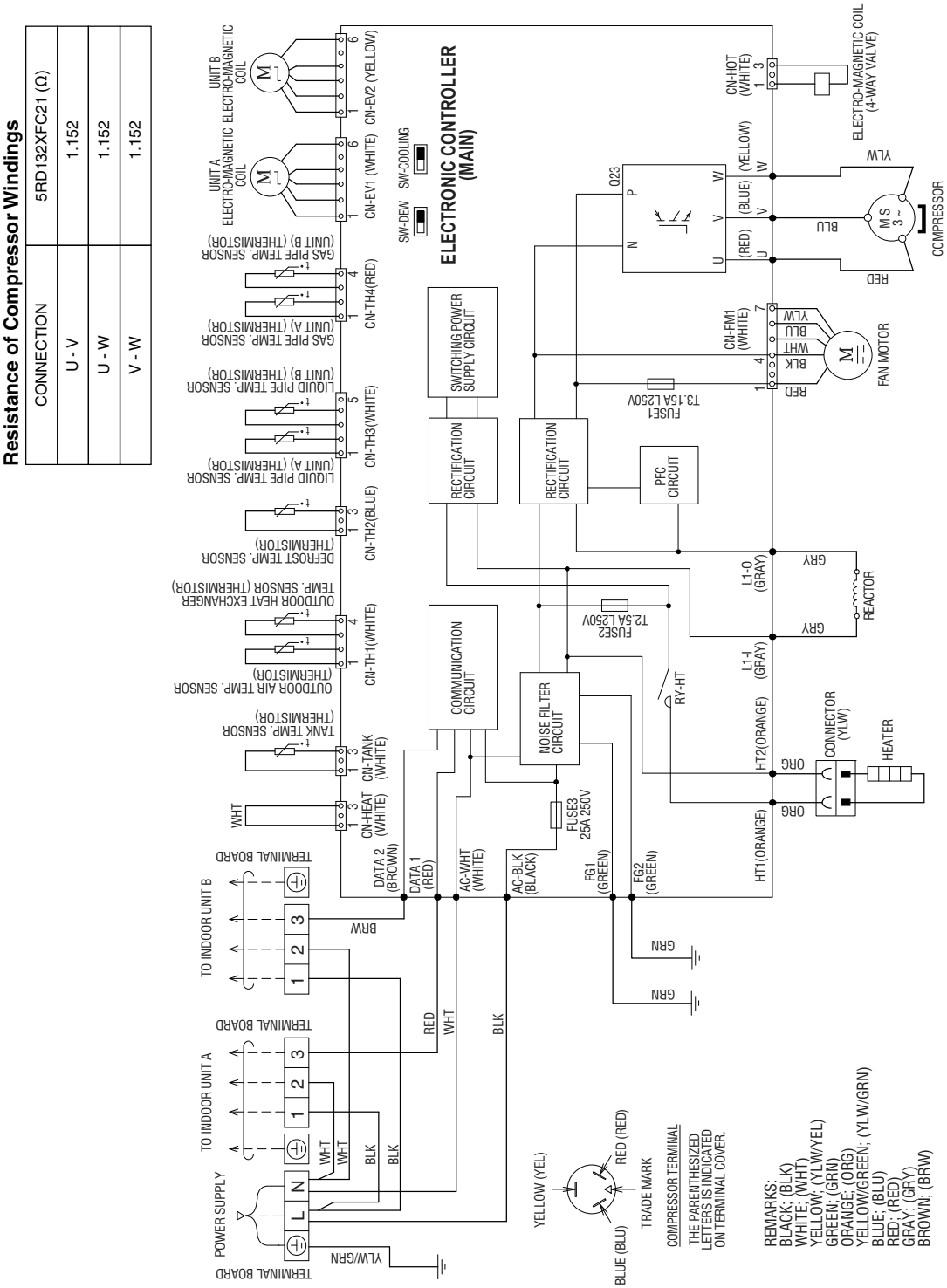


6. Wiring Connection Diagram

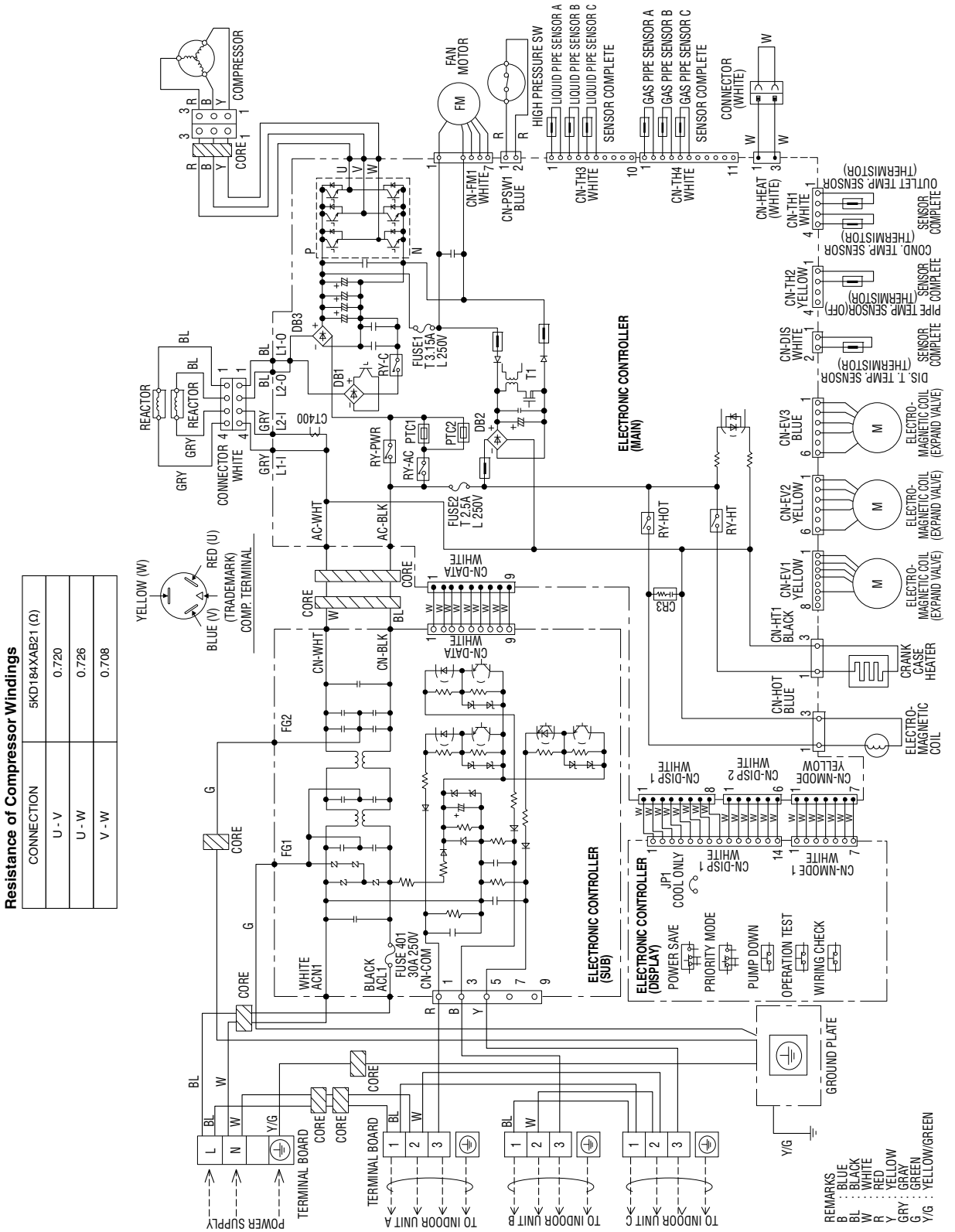
6.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE

Resistance of Compressor Windings

CONNECTION	5RD132XFC21 (Ω)
U - V	1.152
U - W	1.152
V - W	1.152

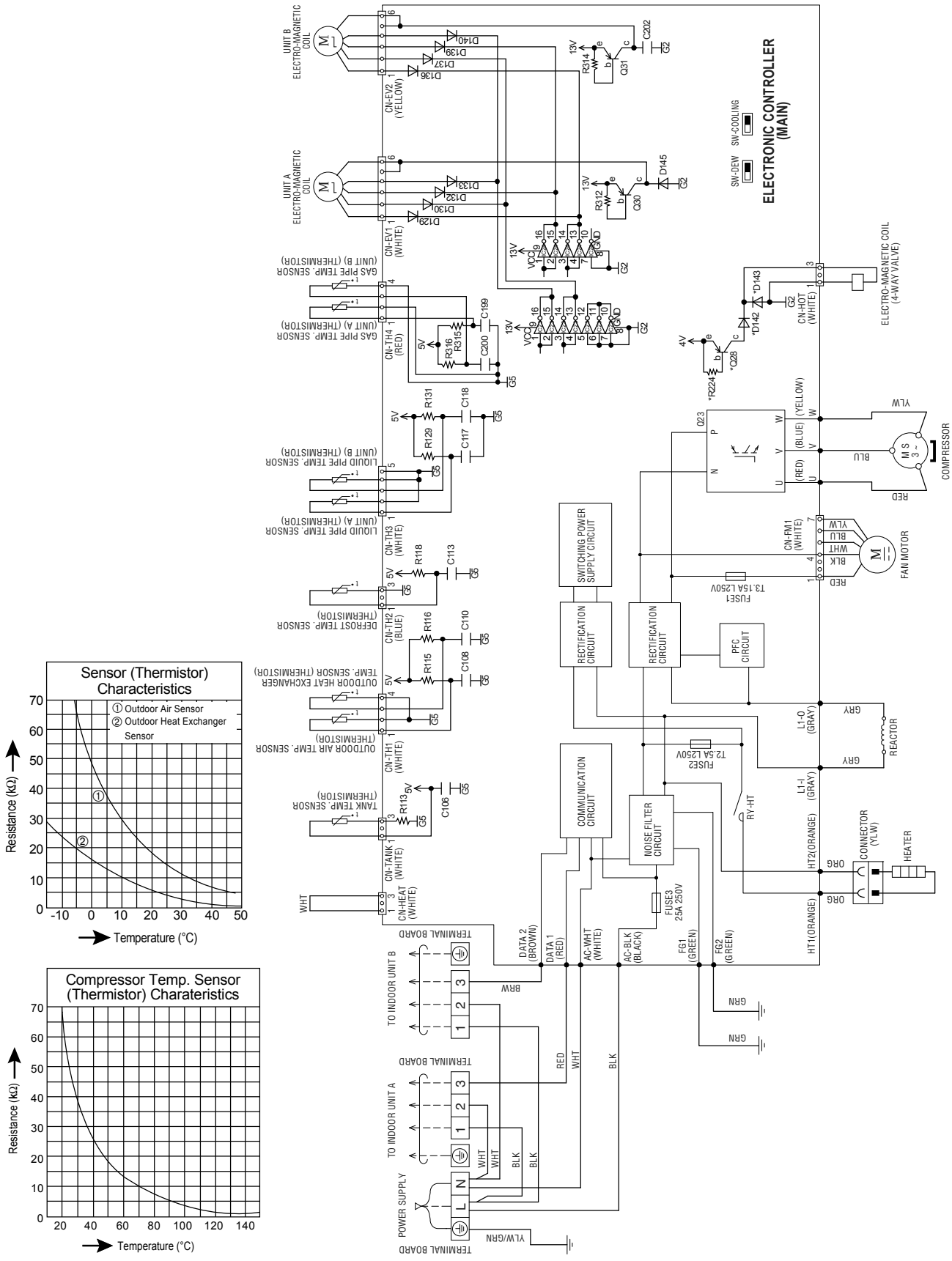


6.2 CU-3E23SBE

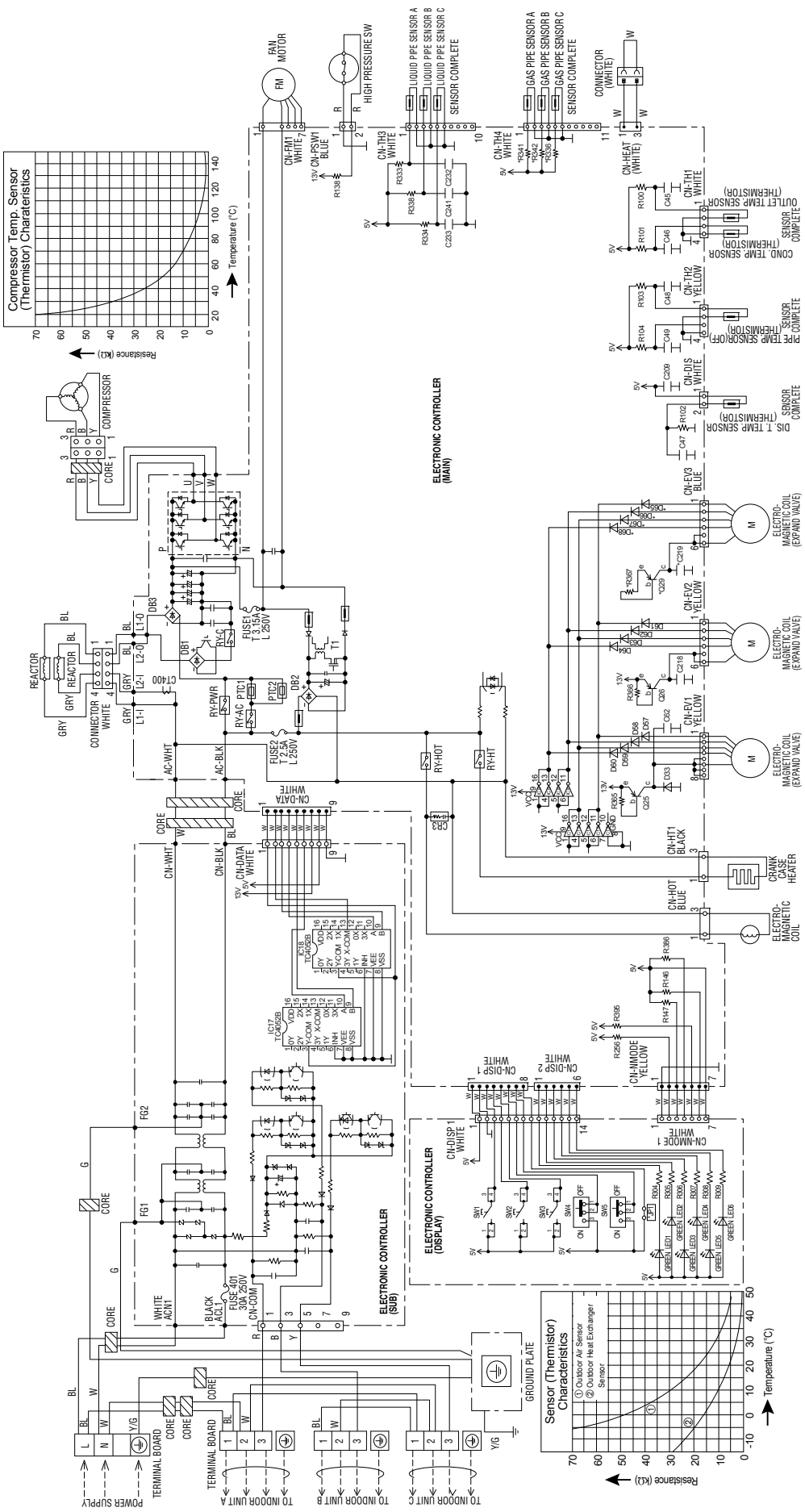


7. Electronic Circuit Diagram

7.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE



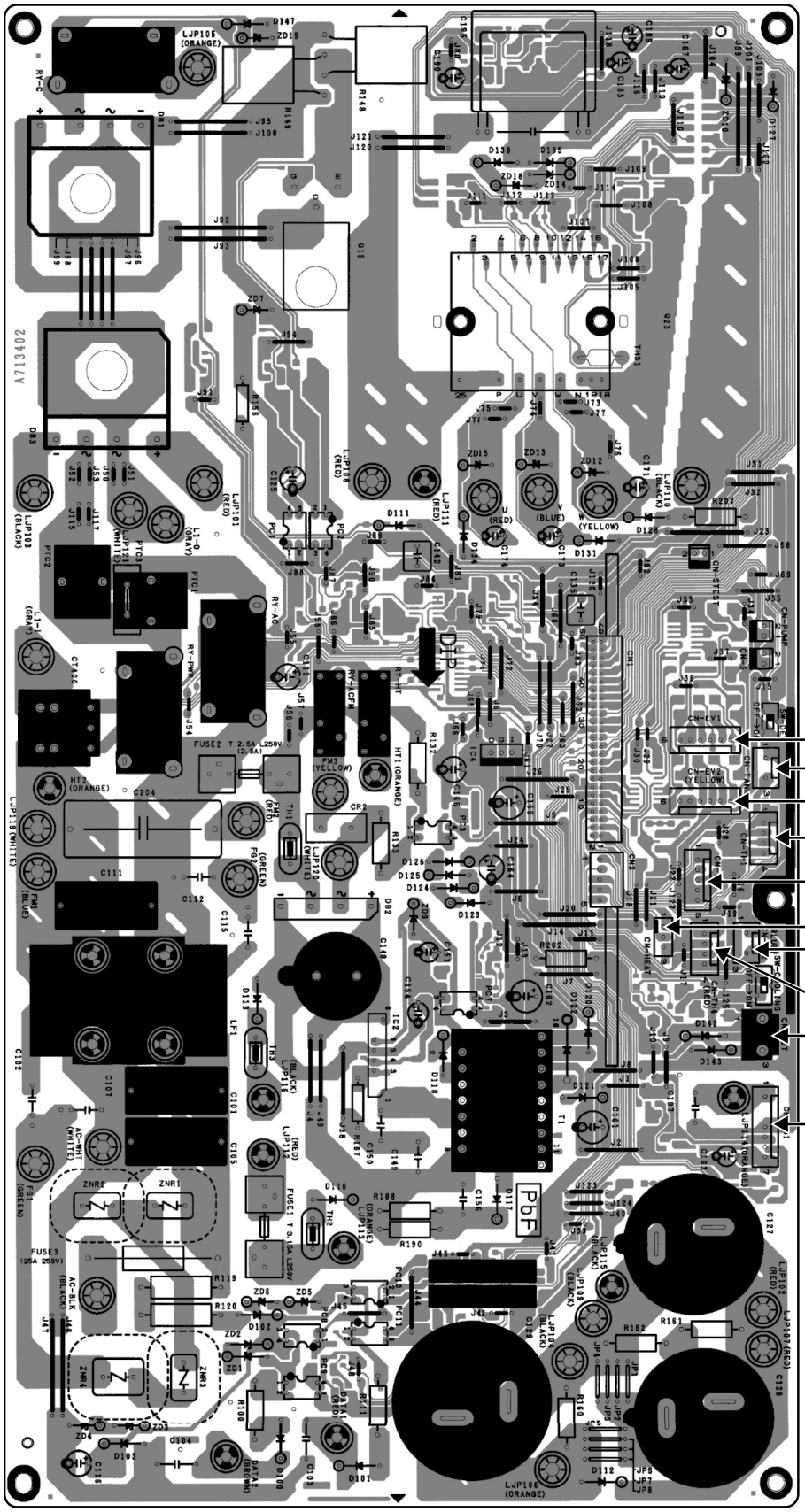
7.2 CU-3E23SBE



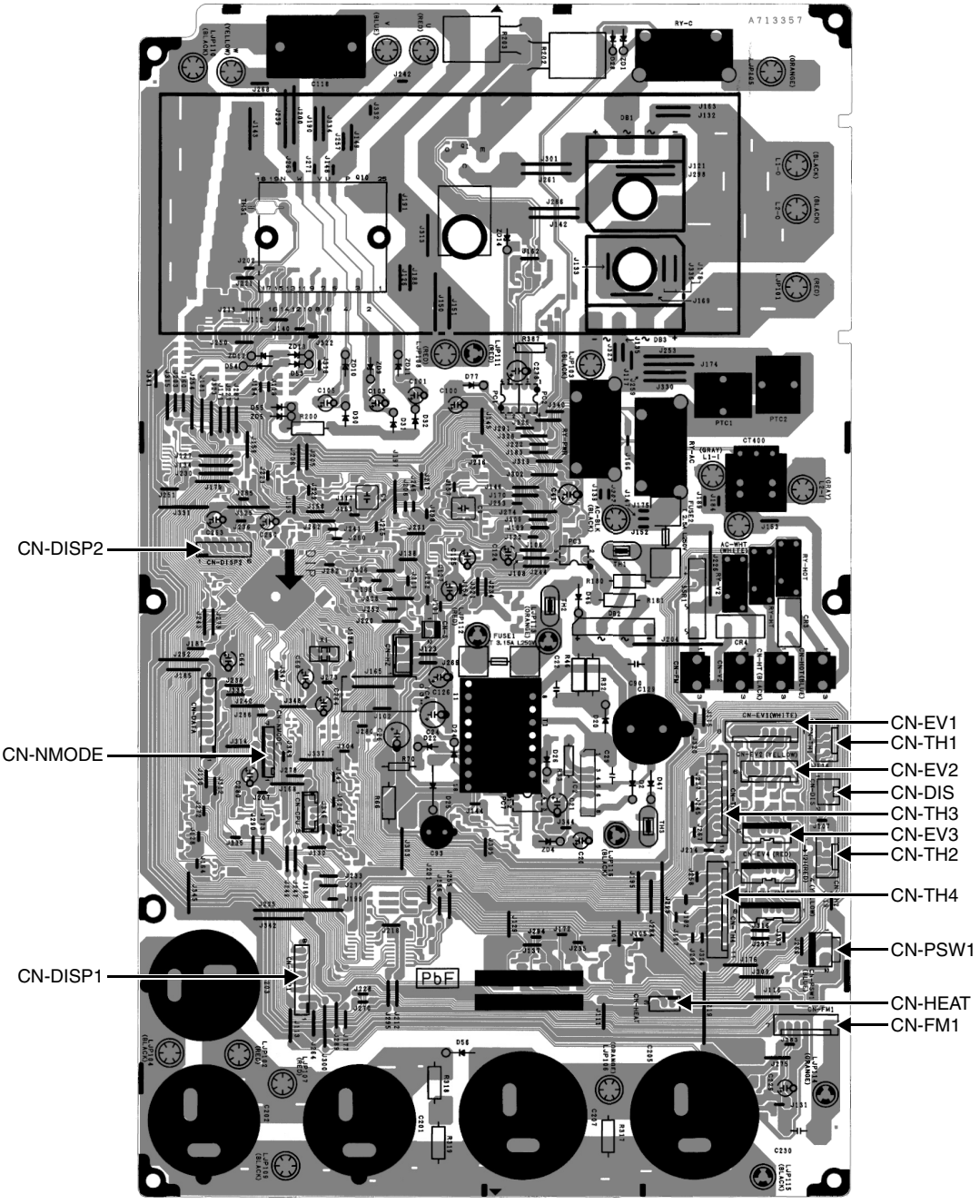
8. Printed Circuit Board

8.1 Main Printed Circuit Board

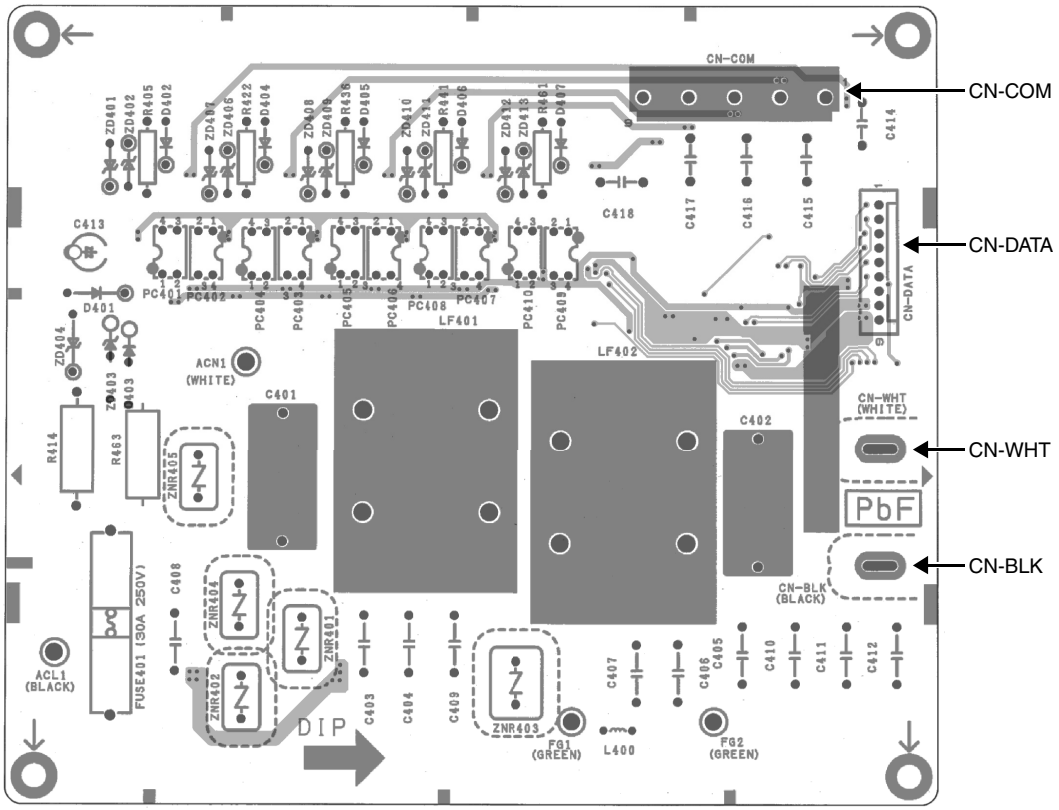
8.1.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE



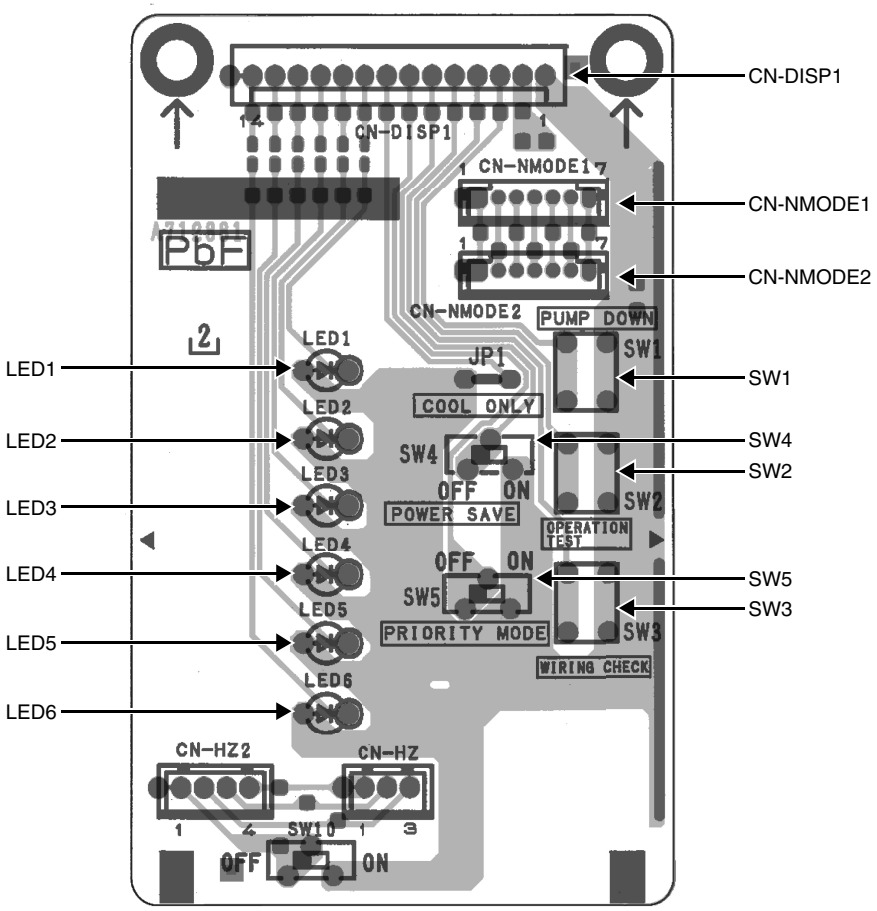
8.1.2 CU-3E23SBE



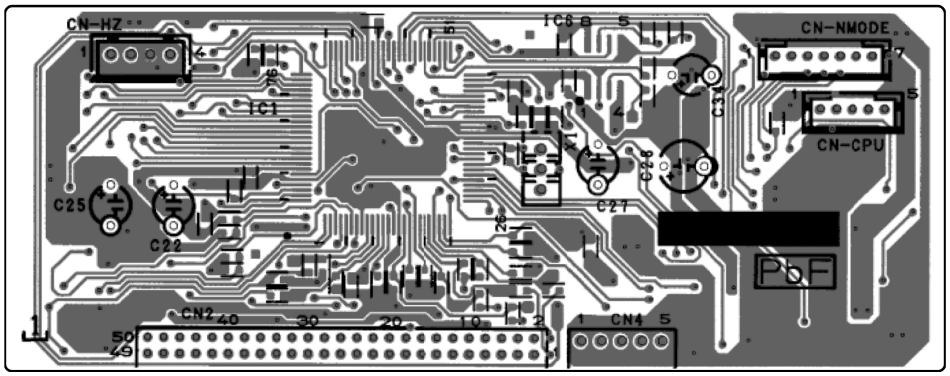
8.2 Noise Filter Printed Circuit Board



8.3 Display Printed Circuit Board



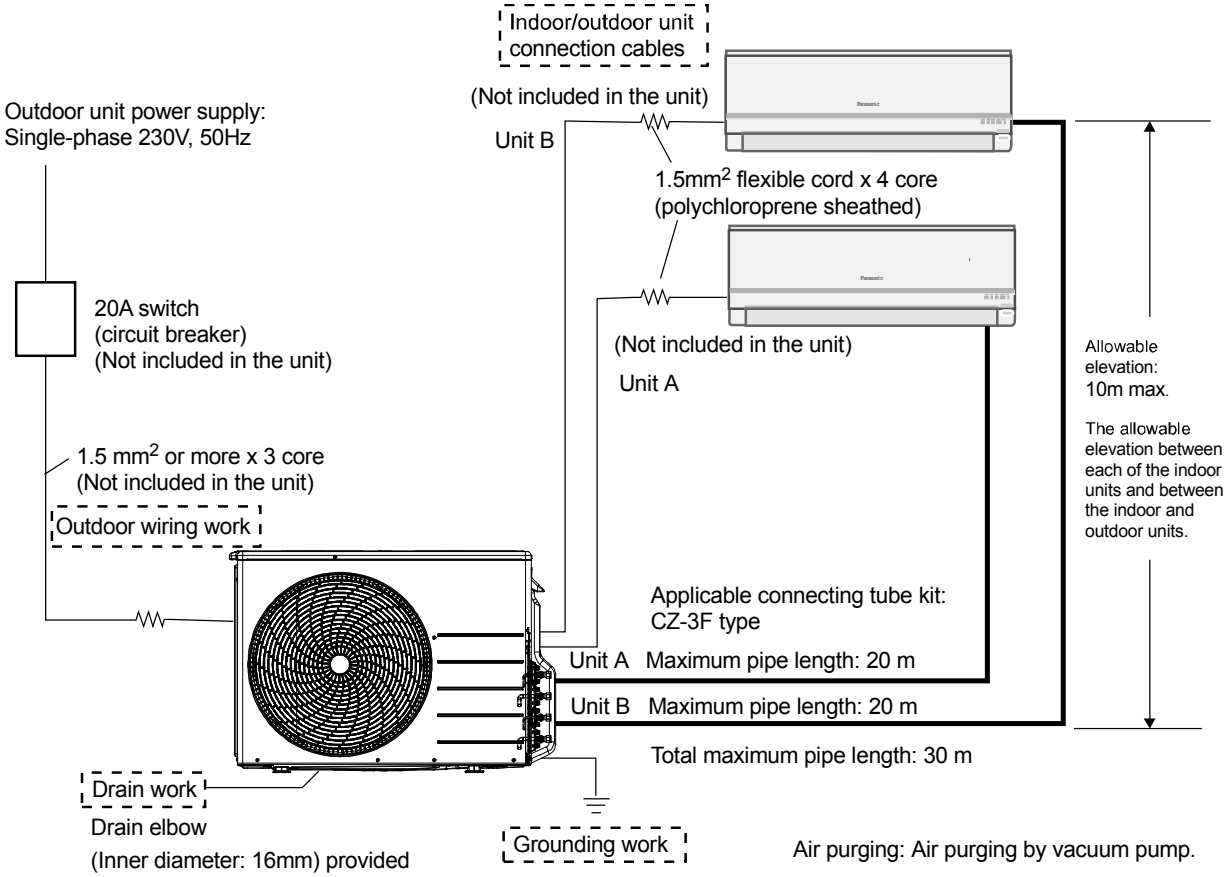
8.4 CPU Printed Circuit Board



9. Installation Information

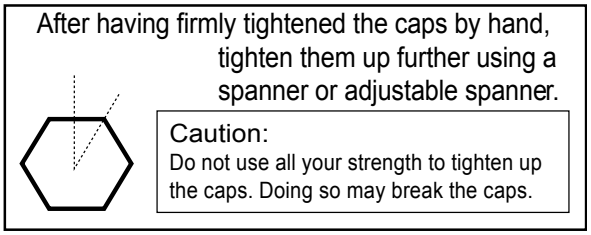
9.1 CU-2E12SBE CU-2E15SBE

9.1.1 Check Points



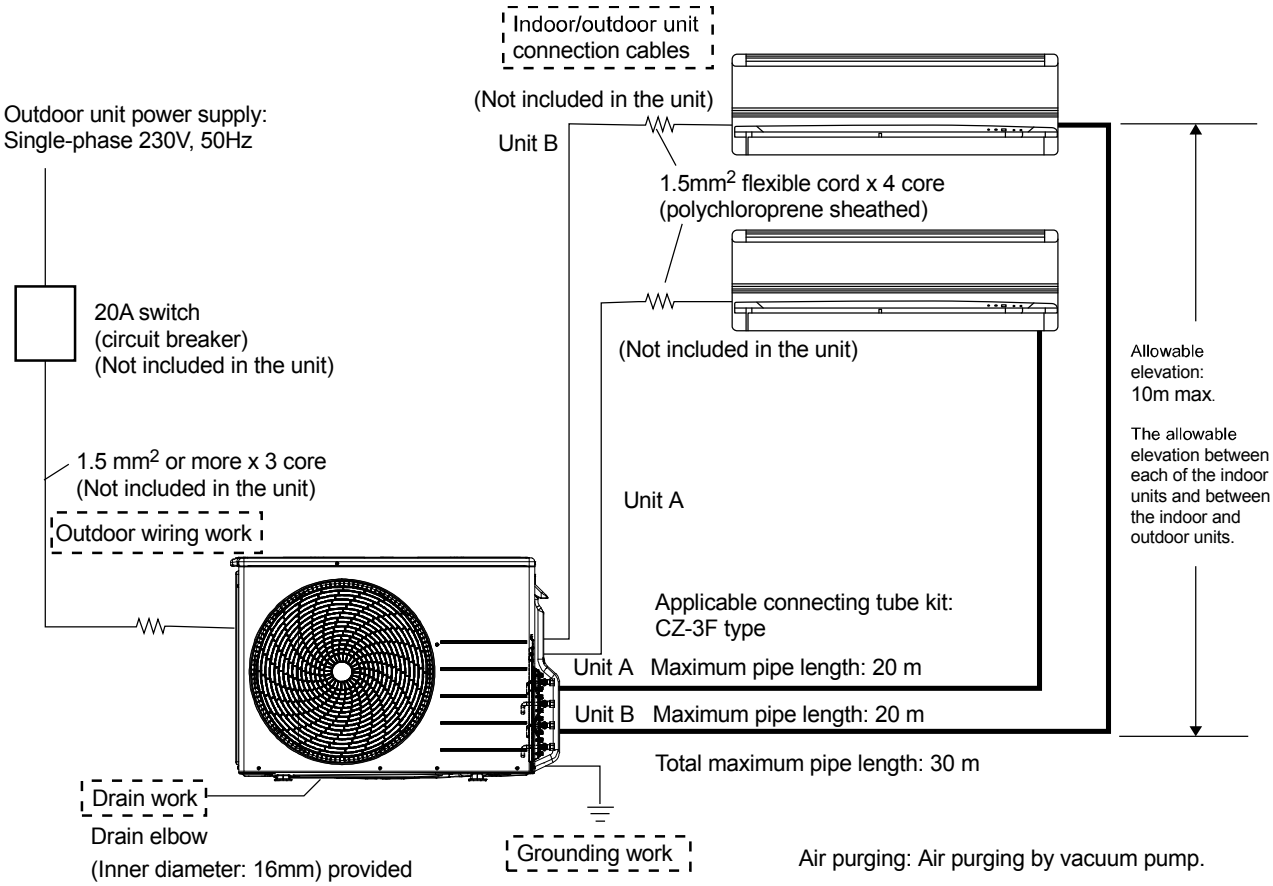
9.1.2 The Shapes of the 3-Way Valve Caps of the Outdoor Unit Have Been Changed

- Accompanying the changes in the shapes of the 3-way valve caps, the tightening method has also been changed.
- Firmly tighten the 3-way valve caps by hand, and then tighten them up by another 30 degrees or so (one-twelfth of a full turn) using a spanner or adjustable spanner.



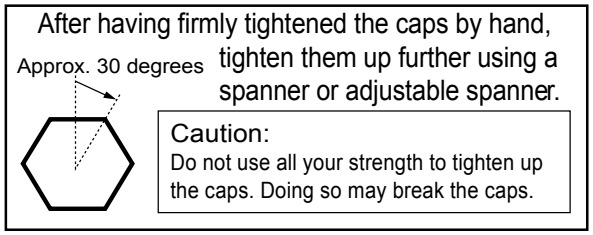
9.2 CU-2E18SBE

9.2.1 Check Points



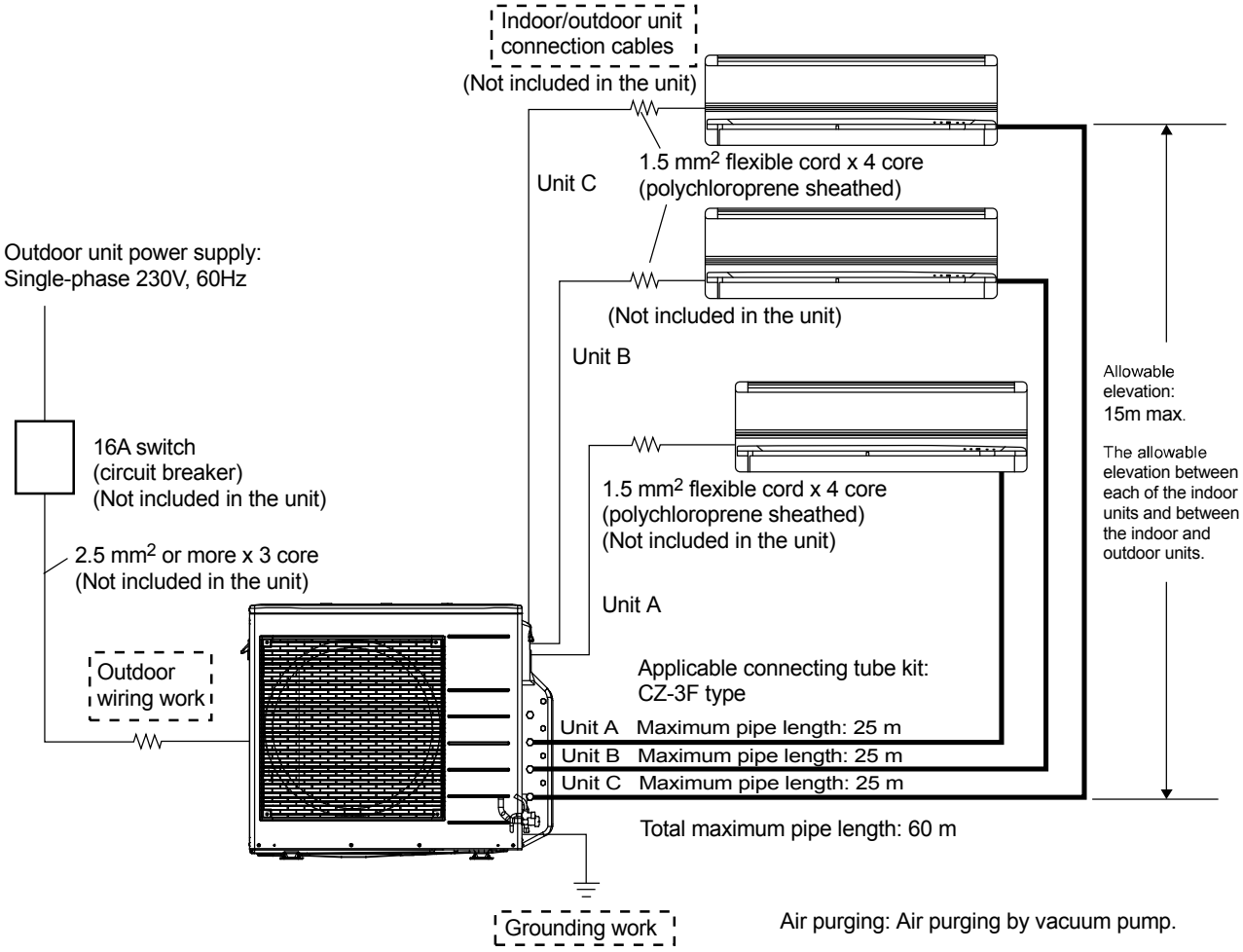
9.2.2 The Shapes of the 3-Way Valve Caps of the Outdoor Unit Have Been Changed

- Accompanying the changes in the shapes of the 3-way valve caps, the tightening method has also been changed.
- Firmly tighten the 3-way valve caps by hand, and then tighten them up by another 30 degrees or so (one-twelfth of a full turn) using a spanner or adjustable spanner.



9.3 CU-3E23SBE

9.3.1 Check Points



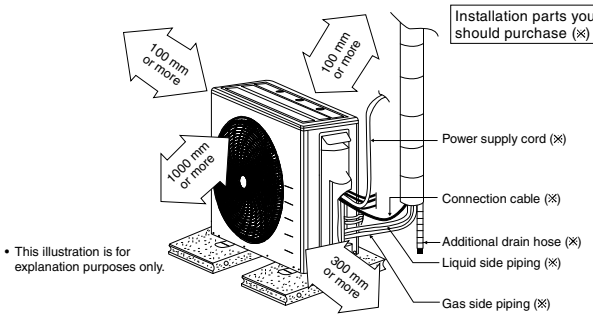
10. Installation Instruction

10.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE

10.1.1 Select The Best Location

- If an awning is built over the unit to prevent direct sunlight or rain, be careful that heat radiation from the condenser is not obstructed.
- There should not be any animal or plant which could be affected by hot air discharged.
- Keep the spaces indicated by arrows from wall, ceiling, fence or other obstacles.
- Do not place any obstacles which may cause a short circuit of the discharged air.
- If piping length is over the [piping length for additional gas], additional refrigerant should be added as shown in the table.

Attached accessories	Qty.
Drain elbow	1
Installation parts you should purchase (※)	

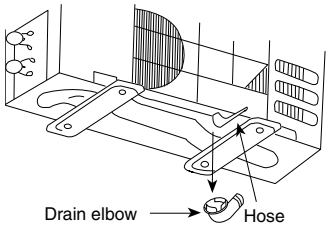


Piping size		Std. Length (m)	Min. Length (m)	Max. total Length (m)	Max. Elevation (m)	Additional gas charge amount (g/m)
Gas 9.52 mm (3/8")	Liquid 6.35 mm (1/4")	5 m / indoor unit	3 m / indoor unit	30	10	15

Note:
(1) It is possible to extend the piping length of one unit up to 20 meters.
However, the total piping length must not exceed 30 meters.
(2) If the length exceeds 20 meters, refrigerant of 15g per meter must be added.

10.1.2 Disposal Of Outdoor Unit Drain Water

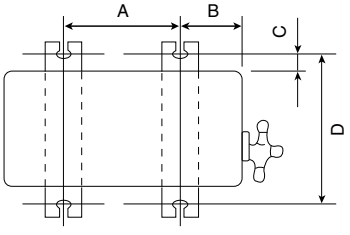
- If a drain elbow is used, the unit should be placed on a stand which is taller than 3 cm.
- If the unit is used in an area where temperature falls below 0°C for 2 or 3 days in succession, it is recommended not to use a drain elbow, for the drain water freezes and the fan will not rotate.



Install the hose at an angle so that the water smoothly flows out.

10.1.3 Install The Outdoor Unit

- After selecting the best location, start installation to Indoor/Outdoor Unit Installation Diagram.
  1. Fix the unit on concrete or rigid frame firmly and horizontally by bolt nut (ø10 mm).
  2. When installing at roof, please consider strong wind and earthquake.
     Please fasten the installation stand firmly with bolt or nails.



Model	A	B	C	D
CU-2E12***, CU-2E15***, CU-2E18***, CU-2RE15***, CU-2RE18***	540 mm	160 mm	18.5 mm	330 mm

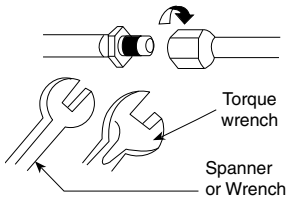
10.1.4 Connect the Piping

10.1.4.1 Connecting The Piping To Indoor Unit

Please make flare after inserting flare nut (locate at joint portion of tube assembly) onto the copper pipe.
(In case of using long piping)
Connect the piping

- Align the center of piping and sufficiently tighten the flare nut with fingers.
- Further tighten the flare nut with torque wrench in specified torque as stated in the table.

Do not over tighten, over tightening may cause gas leakage.	
Piping size	Torque
6.35 mm (1/4")	[18 N•m (1.8 kgf•m)]
9.52 mm (3/8")	[42 N•m (4.3 kgf•m)]
12.7 mm (1/2")	[55 N•m (5.6 kgf•m)]
15.88 mm (5/8")	[65 N•m (6.6 kgf•m)]
19.05 mm (3/4")	[100 N•m (10.2 kgf•m)]

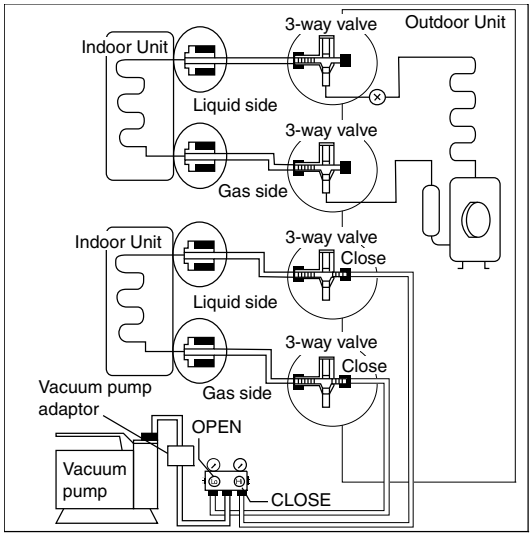


10.1.4.2 Connecting The Piping To Outdoor Multi

Decide piping length and then cut by using pipe cutter.
Remove burrs from cut edge.
Make flare after inserting the flare nut (locate at valve) onto the copper pipe. Align center of piping to valves and then tighten with torque wrench to the specified torque as stated in the table.

10.1.5 Evacuation of the Equipment

WHEN INSTALLING AN AIR CONDITIONER, BE SURE TO EVACUATE THE AIR INSIDE THE INDOOR UNIT AND PIPES in the following procedure.

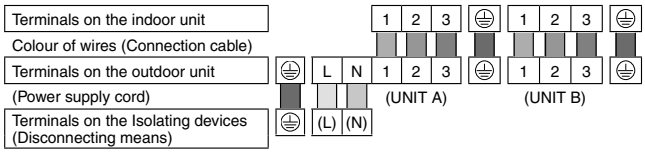


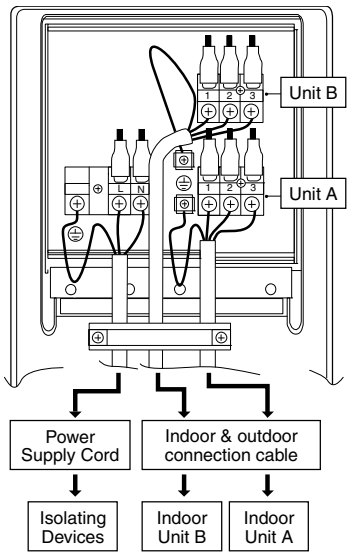
1. Connect a charging hose with a push pin to the Low and High side of a charging set and the service port of the 3-way valve.
   - Be sure to connect the end of the charging hose with the push pin to the service port.
2. Connect the center hose of the charging set to a vacuum pump with check valve, or vacuum pump adaptor.
3. Turn on the power switch of the vacuum pump and make sure that the needle in the gauge moves from 0 cmHg (0 MPa) to -76 cmHg (-0.1 MPa). Then evacuate the air approximately 10 minutes.
4. Close the Low and High side valves of the charging set and turn off the vacuum pump. Make sure that the needle in the gauge does not move after approximately 5 minutes.
   Note: BE SURE TO FOLLOW THIS PROCEDURE IN ORDER TO AVOID REFRIGERANT GAS LEAKAGE.
5. Disconnect the charging hose from the vacuum pump and from the service port of the 3-way valve.
6. Tighten the service port caps of the 3-way valve at a torque of 18 N•m with a torque wrench.
7. Remove the valve caps of the both 3-way valves. Position both of the valves to “OPEN” using a hexagonal wrench (4 mm).
8. Mount valve caps onto the both 3-way valves.
   - Be sure to check for gas leakage.

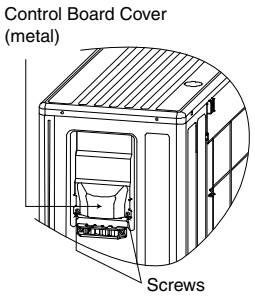
- If gauge needle does not move from 0 cmHg (0 MPa) to -76 cmHg (-0.1 MPa), in step ③ above take the following measure:
- If the leak stops when the piping connections are tightened further, continue working from step ③.
- If the leak does not stop when the connections are retightened, repair location of leak.
- Do not release refrigerant during piping work for installation and reinstallation.
- Take care of the liquid refrigerant, it may cause frostbite.

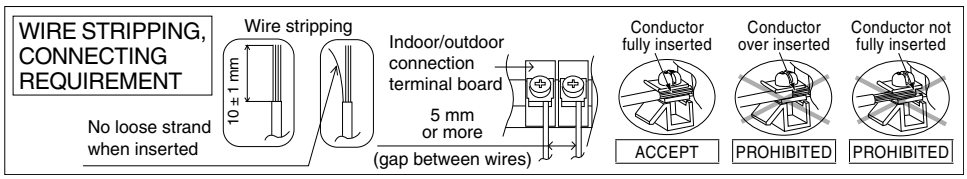
10.1.6 Connect The Cable To The Outdoor Unit

1. Remove the control board cover (metal) from the unit by loosening two screws.
2. Cable connection to the power supply through isolating Devices (Disconnecting means).
   - Connect approved type polychloroprene sheathed **power supply cord** 3 x 1.5 mm^2 type designation 60245 IEC 57 or heavier cord to the terminal board, and connect the others end of the cord to Isolating Devices (Disconnecting means)
3. **Connection cable** between indoor unit and outdoor unit shall be approved polychloroprene sheathed 4 x 1.5 mm^2 flexible cord, type designation 60245 IEC 57 or heavier cord.
4. Connect the power supply cord and connecting cable between indoor unit and outdoor unit according to the diagram as shown.
5. Secure the power supply cord and connection cables onto the control board with the holder.
6. Attach the control board cover back to the original position with screw.
7. For wire stripping and connection requirement, refer to the diagram as shown.









⚠ WARNING

This equipment must be properly earthed

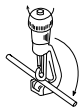
- Note: Isolating Devices (Disconnecting means) should have minimum 3.0 mm contact gap.
- Earth wire shall be Yellow/Green (Y/G) in colour and longer than other AC wires for safety reason.

10.1.7 Piping Insulation

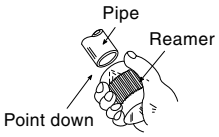
1. Please carry out insulation at pipe connection portion as mentioned in Indoor/Outdoor Unit Installation Diagram. Please wrap the insulated piping end to prevent water from going inside the piping.
2. If drain hose or connecting piping is in the room (where dew may form), please increase the insulation by using POLY-E FOAM with thickness 6 mm or above.

CUTTING AND FLARING THE PIPING

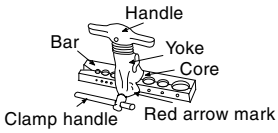
1. Please cut using pipe cutter and then remove the burrs.
2. Remove the burrs by using reamer. If burrs is not removed, gas leakage may be caused.
   Turn the piping end down to avoid the metal powder entering the pipe.
3. Please make flare after inserting the flare nut onto the copper pipes.



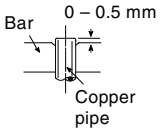
1. To cut



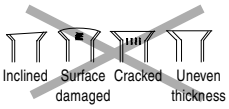
2. To remove burrs



3. To flare



■ Improper flaring ■

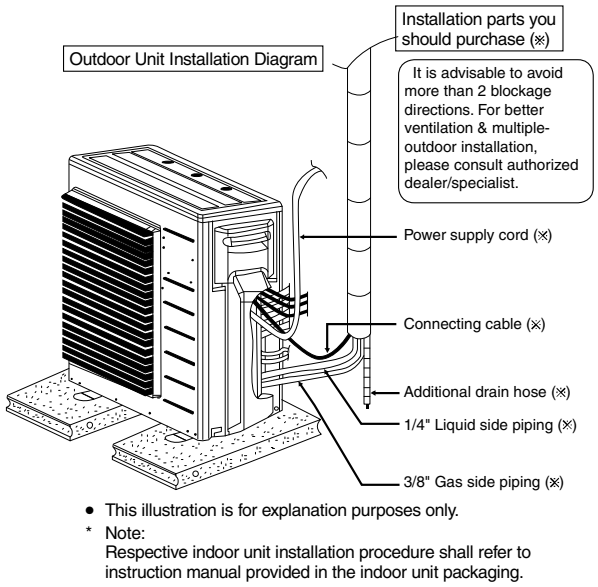


When properly flared, the internal surface of the flare will evenly shine and be of even thickness. Since the flare part comes into contact with the connections, carefully check the flare finish.

10.2 CU-3E23SBE

10.2.1 Select The Best Location

- If an awning is built over the unit to prevent direct sunlight or rain, be careful that heat radiation from the condenser is not obstructed.
- There should not be any animal or plant which could be affected by hot air discharged.
- Keep the spaces indicated by arrows from wall, ceiling, fence or other obstacles.
- Do not place any obstacles which may cause a short circuit of the discharged air.



- This illustration is for explanation purposes only.

* Note:
Respective indoor unit installation procedure shall refer to instruction manual provided in the indoor unit packaging.

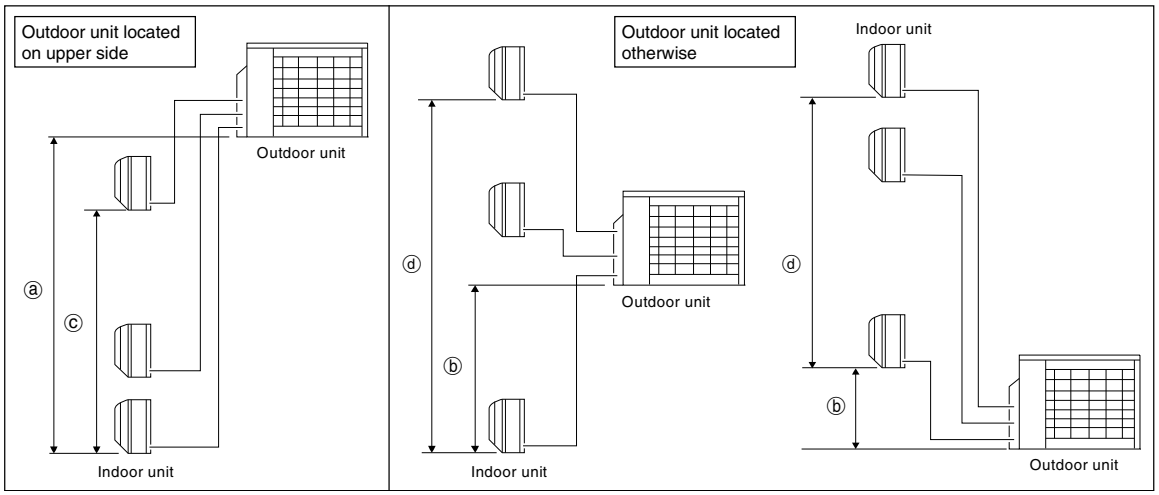
Refrigerant piping size		
Outdoor Unit	CU-3RE18***	CU-3E23***
Liquid - side	ø 6.35 t0.8	ø 6.35 t0.8
Gas - side	ø 9.52 t0.8	ø 9.52 t0.8 *(ø 12.7 t0.8)

* In case of indoor is CS-E21***, then ø 12.7 t0.8 gas-pipe must be used together with CZ-MA2P (pipe size expander)

Outdoor Unit	CU-3E23***, CU-3RE18***
Equivalent length	30 m

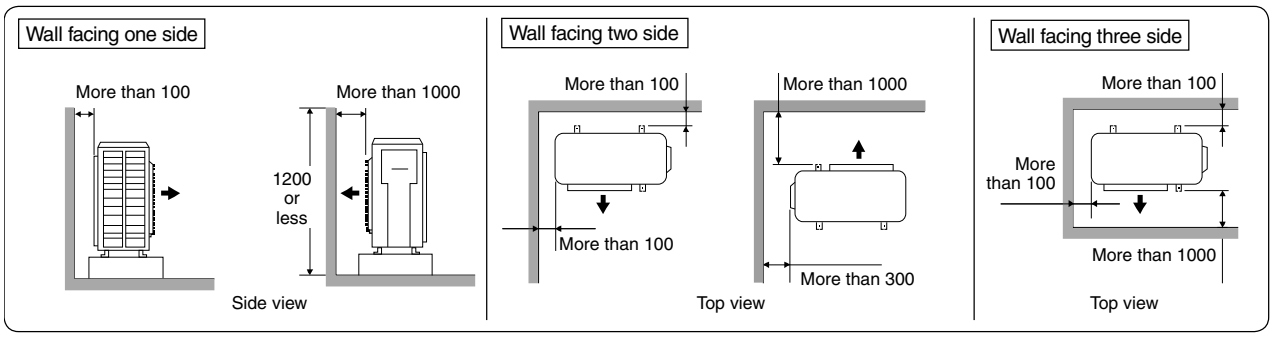
- If total piping length of all indoor units exceeds the equivalent length listed above, additional charge with 20g of refrigerant (R410A) for each additional meter of piping.

Allowable piping length			
Outdoor Unit			CU-3E23***, CU-3RE18***
Allowable piping length of each indoor unit (min. ~ max.)			3 m ~ 25 m
Allowable total piping length of all indoor unit			50 m or less
Height difference between indoor and outdoor unit	Outdoor unit located on upper side	ⓐ	15 m or less
	Outdoor unit located otherwise	ⓑ	7.5 m or less
Height difference between indoor unit	Outdoor unit located on upper side	ⓒ	7.5 m or less
	Outdoor unit located otherwise	ⓓ	15 m or less



Outdoor Unit Installation Guidelines

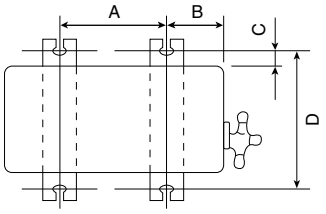
- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 1200 mm or less.



Unit : mm

10.2.2 Install The Outdoor Unit

- After selecting the best location, start installation to Indoor/Outdoor Unit Installation Diagram.
  1. Fix the unit on concrete or rigid frame firmly and horizontally by bolt nut (ø10 mm).
  2. When installing at roof, please consider strong wind and earthquake.
     Please fasten the installation stand firmly with bolt or nails.



Model	A	B	C	D
CU-3E23***, CU-3RE18***	613 mm	131 mm	16 mm	360.5 mm

10.2.3 Connect The Piping

- Remove the control board cover (resin) from the unit by loosening three screws.

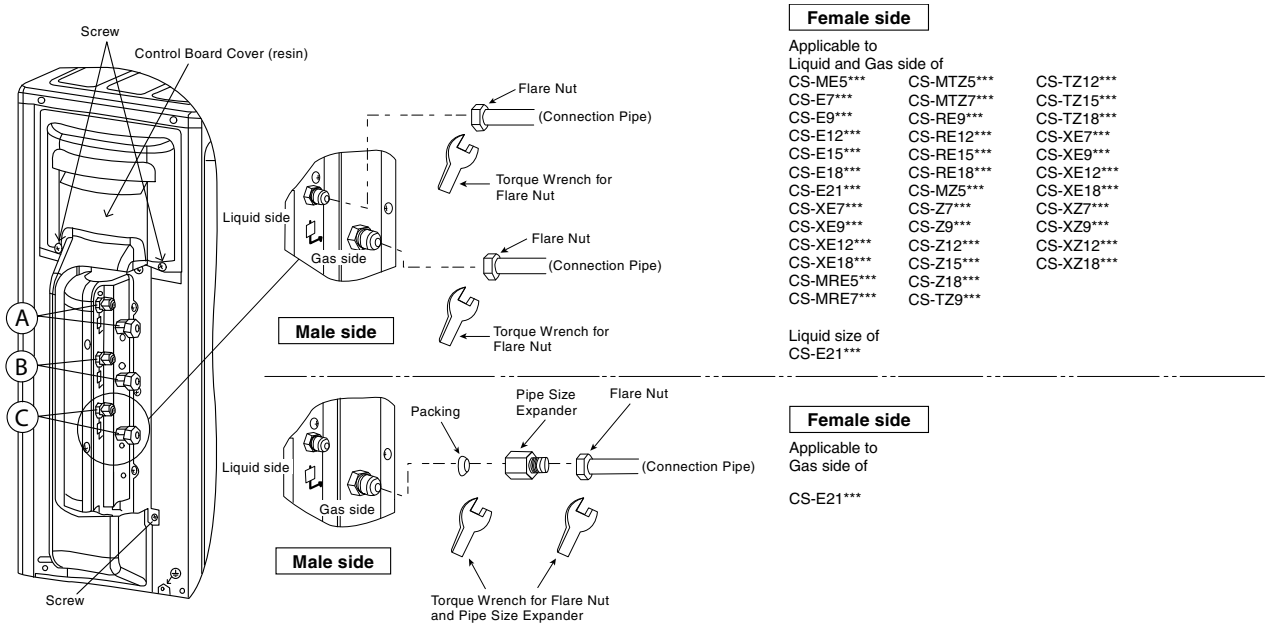
Connecting The Piping To Outdoor Unit

Decide piping length and then cut by using pipe cutter. Remove burrs from cut edge. Make flare after inserting the flare nut (locate at valve) onto the copper pipe.

Align center of piping to valves and then tighten with torque wrench to the specified torque as stated in the table.

⚠ CAUTION
Do not over tighten, over tightening may cause gas leakage

Piping size	Torque
1/4" [6.35 mm]	[18 N•m (1.8 kgf•m)]
3/8" [9.52 mm]	[42 N•m (4.3 kgf•m)]
1/2" [12.7 mm]	[55 N•m (5.6 kgf•m)]
5/8" [15.88 mm]	[65 N•m (6.6 kgf•m)]
3/4" [19.05 mm]	[100 N•m (10.2 kgf•m)]



Female side

Applicable to Liquid and Gas side of

CS-ME5***	CS-MTZ5***	CS-TZ12***
CS-E7***	CS-MTZ7***	CS-TZ15***
CS-E9***	CS-RE9***	CS-TZ18***
CS-E12***	CS-RE12***	CS-XE7***
CS-E15***	CS-RE15***	CS-XE9***
CS-E18***	CS-RE18***	CS-XE12***
CS-E21***	CS-MZ5***	CS-XE18***
CS-XE7***	CS-Z7***	CS-XZ7***
CS-XE9***	CS-Z9***	CS-XZ9***
CS-XE12***	CS-Z12***	CS-XZ12***
CS-XE18***	CS-Z15***	CS-XZ18***
CS-MRE5***	CS-Z18***	
CS-MRE7***	CS-TZ9***	

Liquid size of CS-E21***

Female side

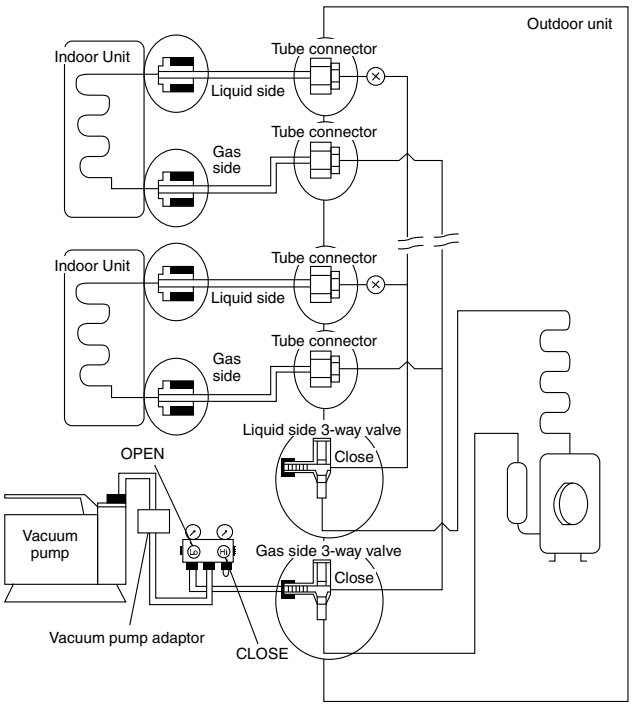
Applicable to Gas side of

CS-E21***

10.2.4 Evacuation Of The Equipment

WHEN INSTALLING AN AIR CONDITIONER, BE SURE TO EVACUATE THE AIR INSIDE THE INDOOR UNIT AND PIPES in the following procedure.

1. Connect a charging hose with a push pin to the Low side of a charging set and the service port of the gas side 3-way valve.
   - Be sure to connect the end of the charging hose with the push pin to the service port.
2. Connect the center hose of the charging set to a vacuum pump.
3. Turn on the power switch of the vacuum pump and make sure that the needle in the gauge moves from 0 cmHg (0 MPa) to -76 cmHg (-0.1 MPa). Then evacuate the air approximately ten minutes.
4. Close the Low side valve of the charging set and turn off the vacuum pump. Make sure that the needle in the gauge does not move after approximately five minutes.
   Note : BE SURE TO TAKE THIS PROCEDURE IN ORDER TO AVOID REFRIGERANT GAS LEAKAGE.
5. Disconnect the charging hose from the vacuum pump and from the service port of the 3-way valve.
6. Tighten the service port caps of gas side 3-way valve at a torque of 18 N•m with a torque wrench.
7. Remove the valve caps of both of the gas side and liquid side 3-way valve. Position both of the valves to “OPEN” using a hexagonal wrench (4 mm).
8. Mount valve caps onto the gas side and liquid side of the 3-way valve.
   - Be sure to check for gas leakages.

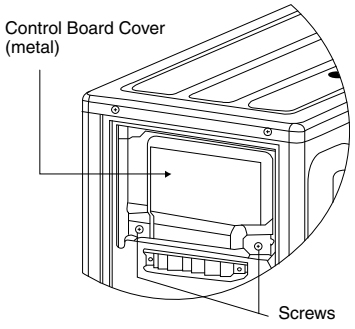


⚠ CAUTION

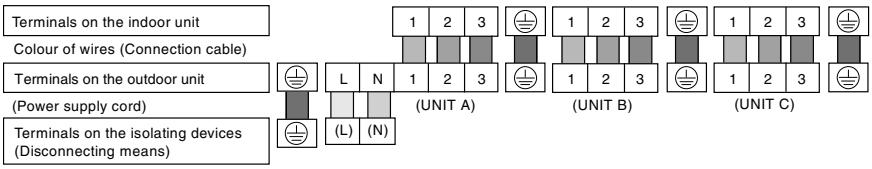
- If gauge needle does not move from 0 cmHg (0 MPa) to -76 cmHg (-0.1 MPa), in step ③ above take the following measure:
- If the leak stops when the piping connections are tightened further, continue working from step ③.
- If the leak does not stop when the connections are retightened, repair location of leak.
- Do not release refrigerant during piping work for installation and reinstallation.
- Take care of the liquid refrigerant, it may cause frostbite.

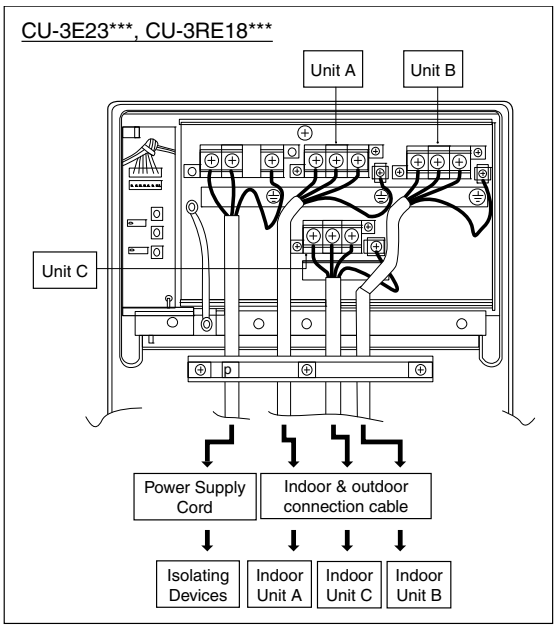
10.2.5 Connect The Cable To The Outdoor Unit

1. Remove the control board cover metal from the unit by loosening two screws.
2. Cable connection to the power supply through isolating Devices (Disconnecting means).
   - Connect approved type polychloroprene sheathed **power supply cord** 3 x 2.5 mm^2 245 IEC 57 type designation or heavier cord to the terminal board, and connect the others end of the cord to Isolating Devices (Disconnecting means).
3. **Connecting cable** between indoor unit and outdoor unit shall be approved polychloroprene sheathed 4 x 1.5 mm^2 flexible cord, type designation 245 IEC 57 or heavier cord.
4. Connect the power supply cord and connecting cable between indoor unit and outdoor unit according to the diagram as shown.

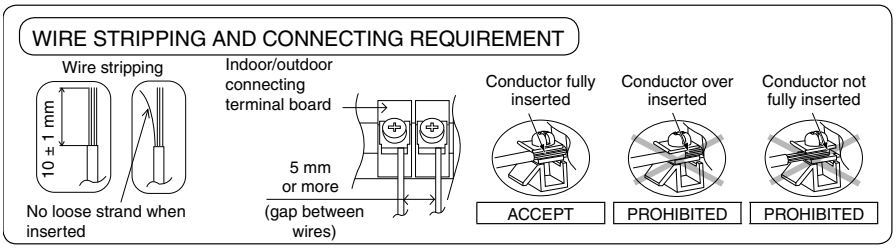


CU-3E23*, CU-3RE18****





5. For wire stripping and connection requirement, refer to the diagram below.
6. Secure the power supply cord and connecting cables onto the control board with the holder.
7. Attach the control board cover back to the original position with screw.



This equipment must be properly earthed.

- Note: Isolating Devices (Disconnecting means) should have minimum 3.0 mm contact gap.
- Earth wire shall be Yellow/Green (Y/G) in colour and longer than other AC wires for safety reason.

10.2.6 Heat Insulation

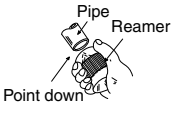
⚠ **CAUTION**	Use a material with good heat-resistant properties as the heat insulation for the pipes. Be sure to insulate both the gas-side and liquid-side pipes. If the pipes are not adequately insulated, condensation or water leakages may occur.

Liquid-side pipes	Material shall withstand 120°C or higher
Gas-side pipes	

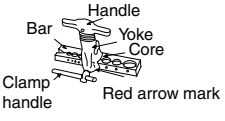
CUTTING AND FLARING THE PIPING

1. Please cut using pipe cutter and then remove the burrs.
2. Remove the burrs by using reamer. If burrs is not removed, gas leakage may be caused. Turn the piping end down to avoid the metal powder entering the pipe.
3. Please make flare after inserting the flare nut onto the copper pipes.

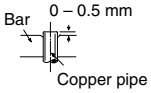
1. To cut

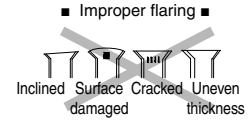


2. To remove burrs



3. To flare





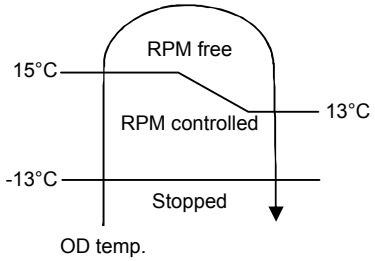
When properly flared, the internal surface of the flare will evenly shine and be of even thickness. Since the flare part comes into contact with the connections, carefully check the flare finish.

11. Operation Control

11.1 Cooling Operation

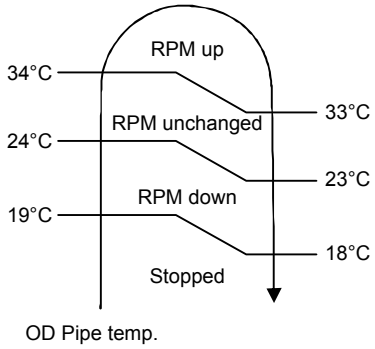
11.1.1 Outdoor fan control

- When cooling operation is enabled, based on outdoor ambient temperature, fan motor control will be adjusted according to figure below:



11.1.2 Annual Cooling control

- This control is to enable cooling operation when outdoor ambient temperature is low.
- Control start conditions:
  - Cooling operation is activated with compressor ON.
  - Outdoor ambient temperature is less than 15°C
- Control contents:
  - When the above conditions are fulfilled, based on outdoor pipe temperature, the outdoor fan motor will operate according to figure below:



- To improve the judgment accuracy during annual cooling control, outdoor ambient temperature sampling for 2 minutes will be activated every 35 minutes under designated fan speed.
- Control stop conditions:
  - When either one of the start conditions are not complied.

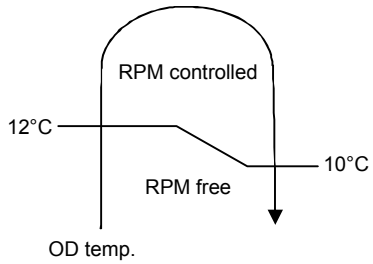
11.1.3 Cooling Powerful Operation 1

- During cooling operation, this control is to concentrate outdoor unit capability to the powerful operation enabled indoor unit by temporary stop the capability supply to low load demand indoor units.
- Operation start condition:
  - Powerful operation ON for targeted indoor unit
- Operation content:
  - If other indoor units (where Powerful operation are OFF) achieve setting temperature continuously for 1 minute after received powerful command from indoor unit, then capability supply to other indoor units are stopped for minimum 3 minutes.
    Capability supply stop period follows powerful operation period.
- Operation stops when comply either one of the following conditions:
  - When other indoor units (where Powerful operation are OFF) is demand for capacity.
  - When the powerful operation is OFF for all indoor units.
  - When Quiet operation received from 1 indoor unit.
  - When protection control starts.

11.2 Heating Operation

11.2.1 Outdoor fan control

- When heating operation is enabled, based on outdoor ambient temperature, fan motor control will be adjusted according to figure below for Heating overload control:



11.2.2 Heating Room Temp Sampling Control

- To improve the judgment accuracy, indoor room temperature sampling starts when any indoor unit has stopped capability supplied (heating thermo-off) during heating operation with compressor ON, outdoor unit will send signal to all thermo-off indoor units to ON fan motor and get room temperature sample.
- To prevent discharge temperature drop at indoor units which is ON when sampling the room temperature of heating thermo-off units, the compressor frequency is increased accordingly.
- However, if indoor room temperature is much higher compare to remote control setting temperature, before thermo-off, sampling of corresponding indoor unit will be cancelled.

11.2.3 Powerful Operation 2

- During cooling / heating operation, this control is to provide fast cooling / heating operation compare to normal operation.
- Operation start if all condition below are complied:
  - Powerful operation ON for indoor unit.
  - Not under Annual Cooling control.
- Operation content:
  - Outdoor fan speed will adjust automatically.
  - Compressor frequency will adjust automatically.
- Operation stop when comply either one of the follow conditions:
  - When the powerful operation is OFF for all indoor units.
  - When annual cooling control activated.

11.3 Outdoor Quiet Cooling Operation Control

- Purpose
  Provide quiet cooling operation when only 1 indoor in operation.

- Start Condition
  - Indoor fan speed is lower than Lo fan.
  - Only 1 operation indoor unit.
  - Not in any cooling overload zone.
  - Not during annual cooling
  - Not initial frequency operation.
  - Not during starting control.
  - Not during “Electronic part temperature rise protection by outdoor air & total current”
  - Not during “Electronic part temperature rise protection by total current”
  - Not during “IPM temperature rise prevention control”
  - During cool mode

  All conditions above are satisfied and function selection enable.

- Control Contents
  Compressor frequency and outdoor fan speed maximum limit is set. Adjust accordingly.

	Compressor frequency	Outdoor fan speed
Cool/Quiet	#30 Hz	#400 rpm

- Cancel Condition
  - Indoor fan speed is equal or higher than Lo fan.
  - > 1 operation indoor unit.
  - In any cooling overload zone.
  - During annual cooling
  - Initial frequency operation.
  - During starting control.
  - During “Electronic part temperature rise protection by outdoor air & total current”
  - During “Electronic part temperature rise protection by total current”
  - During “IPM temperature rise prevention control”
  - Not during cool mode

  When any above is satisfied.

12. Simultaneous Operation Control

- Operation modes which can be selected using the remote control unit:
  - Automatic, Cooling, Dry, Heating and e-ion operation mode.
- Types of operation modes which can be performed simultaneously
  - Cooling operation and Cooling, Dry or e-ion operation.
  - Heating operation and Heating operation.
- Types of operation modes which cannot be performed simultaneously
  - During cooling operation, heating operation is impossible at another indoor unit in another room.
  - The priority is given to cooling operation if the cooling mode is selected first. In another room where heating mode is selected afterward, the POWER LED blinks to indicate the heating operation is in standby condition, where the fan is stopped hence no discharged air.
  - During heating operation, cooling operation is impossible at another indoor unit in another room.
  - The priority is given to heating operation if the heating mode is selected first. In another room where cooling mode is selected afterward, the POWER LED blinks to indicate the cooling operation is in standby condition, where the fan is stopped hence no discharged air.
- Operation mode priority control
  - The operation mode designated first by the indoor unit has priority.
  - If the priority indoor unit stops operation or initiates the fan operation, the priority is transferred to other indoor units.

"Waiting" denotes the standby status in which the POWER LED blinks (ON for 2.5 seconds and OFF for 0.5 seconds) and the fan is stopped.

	ROOM A / ROOM B	Non Priority Unit (2nd ON)			
		Cooling	Dry	Heating	e-ion
Priority Unit (1st ON)	Cooling	C / C	D / C	Waiting / C	E / C
	Dry	C / D	D / D	Waiting / D	E / D
	Heating	Waiting / H	Waiting / H	H / H	Stop / H
	e-ion	C / E	D / E	H / Stop	E / E

In the e-ion mode, priority is transferred to a non-priority unit.
Note

- C: Cooling operation mode
- D: Dry operation mode
- H: Heating operation mode
- E: e-ion operation mode

13. Protection Control

13.1 Freeze Prevention control (Cool)

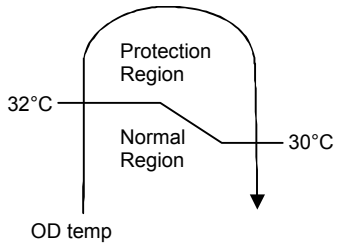
- When received freeze prevention signal from indoor unit, the compressor frequency changes according to indoor heat exchanger temperature.
- When indoor unit request capability OFF due to freeze condition, immediately the capability supply to targeted indoor unit stops.

13.2 Dew Prevention control (Cool)

- When received dew prevention signal from indoor unit, which according to indoor intake temperature and indoor heat exchanger temperature the compressor frequency changes.

13.3 Electronic Parts Temperature Rise Protection 1 (Cool)

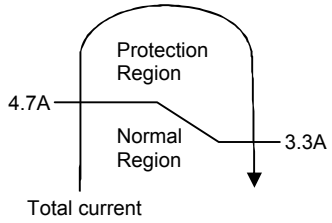
- This control prevents electronic parts temperature rise during cooling overload condition.
- Start conditions:
  - Outdoor ambient temperature is at protection region as shown in figure below:



  - Outdoor unit total current is above 5.5A (3E), 5.0A (2E18/2E15/2E12)
- Control content
  - Outdoor fan speed is adjusted accordingly.
- Control stop condition
  - When outdoor ambient temperature is back to normal region.
- During this control, outdoor fan speed does not reduce for Quiet operation.

13.4 Electronic Parts Temperature Rise Protection 2 (Cool)

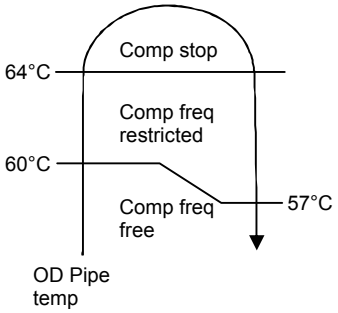
- This control prevents electronic parts temperature rise during cooling/dry operation.
- Start conditions:
  - Total current is at protection region as shown in figure below:



- Control content
  - Outdoor fan speed is adjusted accordingly.
- Control stop conditions
  - When total current is back to normal region.
- During this control, outdoor fan speed does not reduce for Quiet operation.

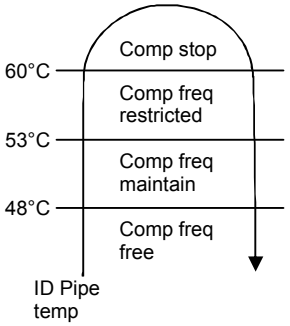
13.5 Cooling overload control (Cool)

- This control detect outdoor pipe temperature and perform the compressor frequency restriction during cooling operation.

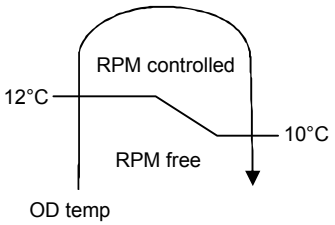


13.6 Heating overload control (Heat)

- This control detect indoor pipe temperature and perform the compressor frequency restriction during heating operation.

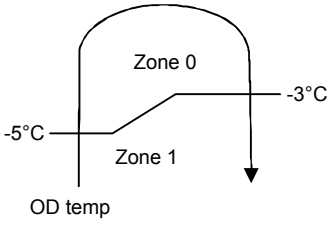


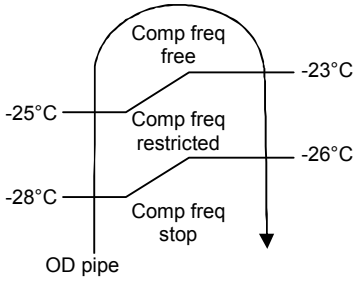
- This control detect outdoor ambient temperature and perform the fan speed adjustment during heating operation.



13.7 Extreme Low Temperature Compressor low pressure protection control (Heat)

- This control is to prevent low pressure drops too low during extremely low outdoor ambient temperature to improve the compressor reliability.
- During heating operation, when outdoor ambient temperature is in Zone 1, this control will be activated. Compressor frequency restriction will be based on outdoor piping temperature.





13.8 Deice Control

- When outdoor pipe temperature and outdoor air temperature is low, deice operation starts where indoor fan motor and outdoor fan motor stop, indoor unit horizontal vane close and operation LED blink with compressor ON.

13.9 Time Delay Safety Control (Restart Control)

- The compressor will not restart within three minutes after compressor is stopped.
- This control is not applicable if the power supply reset or after deice condition.

13.10 30 seconds Force Operation

- Once the compressor starts operation, it will not stop its operation for 30 seconds in order to cycle back compressor oil.
- However, it can be stopped using remote control or Auto OFF/ON button at indoor unit.

13.11 Total Current Control

- By referring to table below, during normal (default) operation, the running current refer to Hi values and during Power Save Mode, the running current refer to Lo values. (not applicable for 2E18/2E15)
- When the outdoor unit total running current (AC) exceeds X value, compressor frequency will decrease.
- If the running current does not exceed X value for 5 seconds, compressor frequency will increase.
- However, if total outdoor unit running current exceeds Y value, compressor will be stopped immediately for 3 minutes.

Model		2E12SBE	2E15SBE	2E18SBE	3E23SBE
Cool (X)	A	10.49 A	10.49 A	10.12 A	12.72 A
	B	8.92 A	8.92 A	8.79 A	12.72 A
	C	8.92 A	8.92 A	8.79 A	12.72 A
Heat (X)		11.54 A	11.54 A	11.04 A	12.72 A
Y		13.22 A	13.22 A	12.54 A	15.67 A

13.12 IPM (power transistor) Protection Control

- Overheating Prevention Control
  - If IPM temperature rises to 80°C, outdoor fan speed will be increased.
  - When the IPM temperature rises to 95°C, compressor operation will stop immediately.
  - Compressor operation restarts when temperature decreases to 90°C.
  - If IPM temperature detected less than -30°C, IPM is judged as open circuit (“F96” is indicated).
- DC peak current control
  - When IPM DC current exceeds set value of 30.0 ± 3.0 A, the compressor will stop.
  - If the DC peak current detected within 30 seconds after operation starts, compressor will restart after 1 minute.
  - If the DC peak current detected 30 seconds or more after operation starts, compressor will restart after 2 minutes.
  - Within 30 seconds after compressor restarts, if the DC peak current is exceeded set value continuously for 7 times, all indoor and outdoor relays will be cut off (“F99” is indicated).
- Error reset can be done by power supply reset.

13.13 Compressor Protection Control (Gas leak detection control 1)

- Control start conditions
  - For 5 minutes, the compressor continuously operates and total current is low.
  - During Cooling or Soft Dry operation:
    Indoor intake temperature — indoor piping temperature is below 4°C.
  - During Heating operation:
    Indoor pipe temperature — indoor intake temperature is below 3°C.
  - Not during deice control.
  - Compressor ON with maximum frequency.
- Control content
  - Compressor stops (and restart after 3 minutes)
  - If the conditions above happen 4 times within 60 minutes, the unit will stop operation (“F91” is indicated).

13.14 Compressor Protection Control (Gas leak detection control 2)

- This control detect gas leakage condition to prevent compressor damage.
- Control start condition
  - All connected indoor units capability supply ON.
  - Compressor ON with maximum frequency.
  - Not during annual cooling.
  - Compressor discharge temperature high.
- Control content
  - Compressor OFF during this control (“F91” is memorized in EEPROM)
  - If the above conditions happen 2 times within 60 minutes, indoor units’ Timer LED will blinks (“F91” is indicated at all indoor units)

13.15 Valve close detection control

- This control detects 3-way valve close condition to prevent damage to refrigerant cycle.
- Start conditions:
  - For all connected indoor units, if Indoor intake temperature — indoor piping temperature are between -2°C and 2°C continuously for 5 minutes after compressor ON at first cooling operation.
  - The first cooling operation is defined as cooling operation is ON for less than 8 minutes after new installation or after pump down.
- Control content
  - During this control, compressor stop, indoor units’ Timer LED will blink. (“F91” is indicated at indoor units)
- Error reset can be done by power supply reset or reset by using remote control.

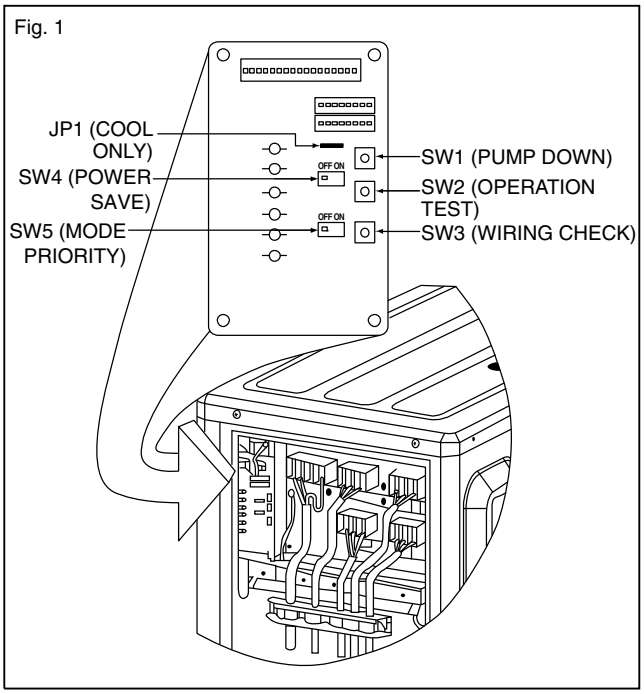
13.16 Compressor discharge high pressure protection control

- This control protect by using high pressure switch during operation.
- Start conditions
  - High pressure switch is activated (from normally close to open) when outdoor operation mode is cooling or heating during compressor running.
- Control 1 content
  - Compressor stop when high pressure switch is opened and restart after high pressure switch closed. If this condition happen 4 times within 30 minutes, “F94” is indicated.
  - After 30 minutes, counter is reset if this condition does not happen for 4 times.
- Control 1 stop conditions
  - Power supply reset
  - Reset by using remote control

14. Servicing Mode

14.1 CU-3E23SBE

Fig. 1



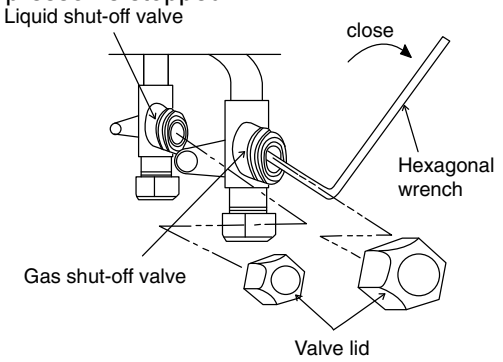
14.1.1 Pump down operation (SW1)

- Operate the pump down process according to the following procedure
  - Confirm the valve on the liquid side and gas side are open.
  - Press PUMP DOWN button (SW1) on the Service PCB inside the outdoor unit for more than 5 seconds. Pump down (cooling) operation is performed for 15 minutes.
  - Set the liquid side 3 way valve to close position and wait until the pressure gauge indicates 0.01MPa ($0.1kg/cm^2G$).
  - Immediate set the gas side valve to close position and then press the PUMP DOWN button (SW1) to stop the pump down operation.

NOTE: Pump down operation will stop automatically after 15 minutes if PUMP DOWN switch (SW1) is not pressed again. Pump down operation is not started within 3 minutes after compressor is stopped.

LED	2	3	4	5	Message
Status	○	○	○	○	Pump down operation in progress
	○	○	○		3 minutes before operation end
	○	○			2 minutes before operation end
	○				1 minute before operation end
					Pump down operation end

○: Blinking



14.1.2 Test Run Operation

- Test operation can be carried out using TEST OPERATION button (SW2) on the Service PCB inside the outdoor unit.
- For Cooling test, press the TEST OPERATION button (SW2) for 5 seconds or more but less than 10 seconds, LED1 and LED 2 will illuminate when shift into cooling test operation.
- For Heating test, press the TEST OPERATION button (SW2) for more than 10 seconds, LED 1 and LED 3 will illuminate when shift into heating test operation.
- Press the TEST OPERATION button (SW2) again to cancel test operation.

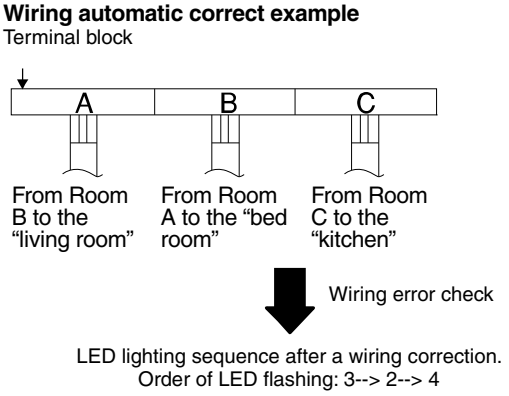
14.1.3 Wiring Error Check

- The unit capable to correct the wiring error automatically by following procedures.
  - Confirm the valve on the liquid side and gas side is open.
  - Press WIRING CHECK button (SW3) on the Service PCB inside the outdoor unit for more than 10 seconds to start wiring check operation.
  - Wiring check process will complete in approximately 20 - 25 minutes. However, wiring check operation will not start within 3 minutes after compressor is stopped. When outdoor air temperature is less than 5°C or unit has abnormality, wiring check will not start. (See NOTE 2)
- The LED 2 to LED 6 in Service PCB inside the outdoor unit indicate the possibility of the correction as shown in the table below:

LED	2	3	4	5	6	Message
Room	A	B	C	D	-	
Status	All flashing					Automatic correction impossible
	LED2, 4, 6 and LED 3, 5 alternatively flashing					Wiring check in progress
	Flashing one after another					Automatic correction completed
	Other than above					Unit has abnormality (NOTE 4)

- If automatic correct is impossible, check the indoor unit wiring and piping manually.

Wiring automatic correct example



LED lighting sequence after a wiring correction.
Order of LED flashing: 3--> 2--> 4

NOTE:

1. For two rooms connection, LED 4 and 5 are not illuminated and for three rooms connections, LED 5 is not illuminated after wiring operation complete.
2. If the outdoor air temperature is less than 5°C or unit has abnormality, wiring operation will not start.
3. After wiring check operation is complete, LED indication will illuminated until normal operation starts.
4. Follow the product diagnosis procedure.
5. When LED 1 only illuminate, indicates that outdoor unit is operating normally.

14.1.4 Power Save Mode

- Power Save Mode can be enabled by pushing POWER SAVE switch (SW4) to ON before power supply ON.
- When Power Save Mode is ON, the unit can be operate at lower running current where the breaker capacity not achieve the requirement.

14.1.5 Mode priority function

- Mode priority function can be enabled by pushing MODE PRIORITY switch (SW5) to ON before power supply ON.
- When Mode Priority Function is ON, the mode priority is given to higher capacity indoor units.

14.1.6 Cooling only operation

The equipment can be set to cooling only operation by setting the JP line on the outdoor unit display circuit board.

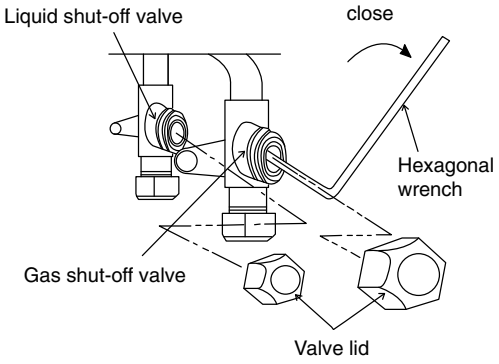
- Switch off power supply to the outdoor unit, cut JPN1 (COOL ONLY).
- After cut off the wire, switch ON the equipment power.
- When setting the cooling only operation, Heating operation is disable.
- ODOUR WASH operation is disabled. (Odour cut operation is still enabled.)
- To revert back the setting to heat pump operation, switch OFF the equipment power, reconnect JP1 (COOL ONLY) back to short circuit condition and switch ON the equipment power.

14.2 CU-2E12SBE, CU-2E15SBE & CU-2E18SBE

14.2.1 Pump down operation

- Operate the pump down process according to the following procedure
  - Confirm the valve on the liquid side and gas side are open.
  - Short the CN-PUMP button on the Service PCB inside the outdoor unit for more than 5 seconds. Pump down (cooling) operation is performed for 15 minutes.
  - Set the liquid side 3 way valve to close position and wait until the pressure gauge indicates 0.01MPa ($0.1kg/cm^2G$).
  - Immediate set the gas side valve to close position and then Short the CN-PUMP button to stop the pump down operation.

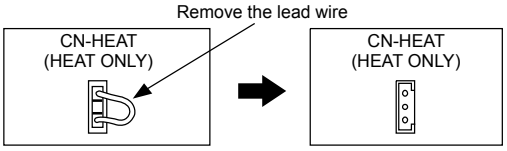
NOTE: Pump down operation will stop automatically after 15 minutes if CN-PUMP button is not shorted again. Pump down operation is not started within 3 minutes after compressor is stopped.



14.2.2 Heating only function

The equipment can be set to heating only operation by some setting on the Outdoor unit main circuit board

- Switch off power supply to the outdoor unit, unplug and remove the lead wire on CN-HEAT.



15. Troubleshooting Guide

15.1 Self Diagnosis Function (CU-2E12SBE, CU-2E15SBE and CU-2E18SBE)

Diagnosis display	Abnormality or protection control	Abnormality judgment	Protection operation	Problem	Check location
H11	Indoor/outdoor abnormal communication	After operation for 1 minutes	Indoor fan only operation can start by entering into force cooling operation	Indoor/outdoor communication not establish	• Indoor/outdoor wire terminal • Indoor/outdoor PCB • Indoor/outdoor connection wire
H12	Indoor unit capacity unmatched	90s after power supply	-	Total indoor capability more than maximum limit or less than minimum limit, or number of indoor unit less than two	• Indoor/outdoor connection wire • Indoor/outdoor PCB • Specification and combination table in catalogue
H15	Compressor temperature sensor abnormality	Continuous for 5s	-	Compressor temperature sensor open or short circuit	• Compressor temperature sensor lead wire and connector
H16	Outdoor current transformer (CT) abnormality	-	-	Current transformer faulty or compressor faulty	• Outdoor PCB faulty or compressor faulty
H27	Outdoor air temperature sensor abnormality	Continuous for 5s	-	Outdoor air temperature sensor open or short circuit	• Outdoor air temperature sensor lead wire and connector
H28	Outdoor heat exchanger temperature sensor 1 abnormality	Continuous for 5s	-	Outdoor heat exchanger temperature sensor 1 open or short circuit	• Outdoor heat exchanger temperature sensor 1 lead wire and connector
H32	Outdoor heat exchanger temperature sensor 2 abnormality	Continuous for 5s	-	Outdoor heat exchanger temperature sensor 2 open or short circuit	• Outdoor heat exchanger temperature sensor 2 lead wire and connector
H33	Indoor/outdoor misconnection abnormality	-	-	Indoor and outdoor rated voltage different	• Indoor and outdoor units check
H36	Outdoor gas pipe temperature sensor abnormality	Continuous for 5s	Heating protection operation only	Outdoor gas pipe temperature sensor open or short circuit	• Outdoor gas pipe temperature sensor lead wire and connector
H37	Outdoor liquid pipe temperature sensor abnormality	Continuous for 5s	Cooling protection operation only	Outdoor liquid pipe temperature sensor open or short circuit	• Outdoor liquid pipe temperature sensor lead wire and connector
H64	Outdoor high pressure sensor abnormality	Continuous for 1 minute	-	High pressure sensor open circuit during compressor stop	• High pressure sensor • Lead wire and connector
H67	Nanoe abnormality	Nanoe stop for 5 minutes for 3 times	-	Nanoe faulty	• PCB • Nanoe system • High voltage
H70	Light sensor abnormality	Continuous for 24 hours, 15 days	-	Light sensor open or short circuit	• Light sensor (defective or disconnect)
H97	Outdoor fan motor mechanism lock	2 times happen within 20 minutes	-	Outdoor fan motor lock or feedback abnormal	• Outdoor fan motor lead wire and connector • Fan motor lock or block
H98	Indoor high pressure protection	-	-	Indoor high pressure protection (Heating)	• Check indoor heat exchanger • Air filter dirty • Air circulation short circuit
H99	Indoor operating unit freeze protection	-	-	Indoor freeze protection (Cooling)	• Check indoor heat exchanger • Air filter dirty • Air circulation short circuit
F11	4-way valve switching abnormality	4 times happen within 30 minutes	-	4-way valve switching abnormal	• 4-way valve • Lead wire and connector

Diagnosis display	Abnormality or protection control	Abnormality judgment	Protection operation	Problem	Check location
F17	Indoor standby units freezing abnormality	3 times happen within 40 minutes	-	Wrong wiring and connecting pipe, expansion valve leakage	• Check indoor/outdoor connection wire and pipe • Indoor heat exchanger sensor lead wire and connector • Expansion valve lead wire and connector
F90	Power factor correction (PFC) circuit protection	4 times happen within 20 minutes	-	Power factor correction circuit abnormal	• Outdoor PCB faulty
F91	Refrigerant cycle abnormality	4 times happen within 60 minutes	-	Refrigeration cycle abnormal	• Insufficient refrigerant or valve close
F93	Compressor abnormal revolution	4 times happen within 20 minutes	-	Compressor abnormal evolution	• Power transistor module faulty or compressor lock
F94	Compressor discharge pressure overshoot protection	4 times happen within 20 minutes	-	Compressor discharge pressure overshoot	• Check refrigeration system
F95	Outdoor cooling high pressure protection	4 occurrences within 20 minutes	-	Cooling high pressure protection	• Check refrigeration system • Outdoor air circuit
F96	Power transistor module overheating protection	4 times happen within 30 minutes	-	Power transistor module overheat	• PCB faulty • Outdoor air circuit (fan motor)
F97	Compressor overheating protection	3 times happen within 30 minutes	-	Compressor overheat	• Insufficient refrigerant
F98	Total running current protection	3 times happen within 20 minutes	-	Total current protection	• Check refrigeration system • Power source or compressor lock
F99	Outdoor direct current (DC) peak detection	Continuous happen for 7 times	-	Power transistor module current protection	• Power transistor module faulty or compressor lock

15.2 Self Diagnosis Function (CU-3E23SBE)

- The display screen of wireless remote control unit and the self-diagnosis LEDs (green) on the outdoor printed circuit board in the outdoor unit can be used to identify the location of the problem.
  Refer to the table below to identify and solve the cause of the problem, and then re-start the air conditioner system.
- If the problem is solved and operation returns to normal.
  LED 1 illuminates and others LED are off.

Diagnosis display	Abnormality or protection control	LED 6	LED 5	LED 4	LED 3	LED 2	LED 1	Abnormality judgement	Protection operation	Problem	Check location
H11	Indoor/outdoor abnormal communication						○	After operation for 1 minute	Indoor fan only operation can start by entering into force cooling operation	Indoor/outdoor communication not establish	• Indoor/outdoor wire terminal • Indoor/outdoor PCB • Indoor/outdoor connection wire
H12	Indoor unit capacity unmatched					○		90s after power supply	—	Total indoor capability more than maximum limit or less than minimum limit, or number of indoor unit less than two.	• Indoor/outdoor connection wire • Indoor/outdoor PCB • Specification and combination table in catalogue
H15	Compressor temperature sensor abnormality					○	○	Continuous for 5s	—	Compressor temperature sensor open or short circuit	• Compressor temperature sensor lead wire and connector
H16	Outdoor current transformer (CT) abnormality				○		○	—	—	Current transformer faulty or compressor faulty	• Outdoor PCB faulty or compressor faulty
H27	Outdoor air temperature sensor abnormality				○	○		Continuous for 5s	—	Outdoor air temperature sensor open or short circuit	• Outdoor air temperature sensor lead wire and connector
H28	Outdoor heat exchanger temperature sensor 1 abnormality				○	○	○	Continuous for 5s	—	Outdoor heat exchanger temperature sensor 1 open or short circuit	• Outdoor heat exchanger temperature sensor 1 lead wire and connector
H32	Outdoor heat exchanger temperature sensor 2 abnormality			○				Continuous for 5s	—	Outdoor heat exchanger temperature sensor 2 open or short circuit	• Outdoor heat exchanger temperature sensor 2 lead wire and connector
H33	Indoor / outdoor misconnection abnormality			○			○	—	—	Indoor and outdoor rated voltage different	• Indoor and outdoor units check
H36	Outdoor gas pipe temperature sensor abnormality			○		○		Continuous for 5s	Heating protection operation only	Outdoor gas pipe temperature sensor open or short circuit	• Outdoor gas pipe temperature sensor lead wire and connector
H37	Outdoor liquid pipe temperature sensor abnormality			○		○	○	Continuous for 5s	Cooling protection operation only	Outdoor liquid pipe temperature sensor open or short circuit	• Outdoor liquid pipe temperature sensor lead wire and connector

Diagnosis display	Abnormality or protection control	LED 6	LED 5	LED 4	LED 3	LED 2	LED 1	Abnormality judgement	Protection operation	Problem	Check location
H64	Outdoor high pressure sensor abnormality			○	○			Continuous for 1 minutes	—	High pressure sensor open circuit during compressor stop	• High pressure sensor • Lead wire and connector
H97	Outdoor fan motor mechanism lock			○	○		○	2 times happen within 30 minutes	—	Outdoor fan motor lock or feedback abnormal	• Outdoor fan motor lead wire and connector • Fan motor lock or block
H98	Indoor high pressure protection			○	○	○		—	—	Indoor high pressure protection (Heating)	• Check indoor heat exchanger • Air filter dirty • Air circulation short circuit
H99	Indoor operating unit freeze protection			○	○	○		—	—	Indoor freeze protection (Cooling)	• Check indoor heat exchanger • Air filter dirty • Air circulation short circuit
F11	4-way valve switching abnormality			○	○	○	○	4 times happen within 30 minutes	—	4-way valve switching abnormal	• 4-way valve • Lead wire and connector.
F17	Indoor standby units freezing abnormality		○					3 times happen within 40 minutes	—	Wrong wiring and connecting pipe, expansion valve leakage.	• Check indoor/ outdoor connection wire and pipe • Indoor heat exchanger sensor lead wire and connector • Expansion valve lead wire and connector.
F90	Power factor correction (PFC) circuit protection		○				○	4 times happen within 20 minutes	—	Power factor correction circuit abnormal	• Outdoor PCB faulty
F91	Refrigeration cycle abnormality		○			○		4 times happen within 60 minutes	—	Refrigeration cycle abnormal	• Insufficient refrigerant or valve close
F93	Compressor abnormal revolution		○			○	○	4 times happen within 20 minutes	—	Compressor abnormal revolution	• Power transistor module faulty or compressor lock
F94	Compressor discharge pressure overshoot protection		○		○			4 times happen within 30 minutes	—	Compressor discharge pressure overshoot	• Check refrigeration system
F95	Outdoor cooling high pressure protection		○		○		○	4 times happen within 20 minutes	—	Cooling high pressure protection	• Check refrigeration system • Outdoor air circuit
F96	Power transistor module overheating protection		○		○	○		4 times happen within 30 minutes	—	Power transistor module overheat	• PCB faulty • Outdoor air circuit (fan motor)

Diagnosis display	Abnormality or protection control	LED 6	LED 5	LED 4	LED 3	LED 2	LED 1	Abnormality judgement	Protection operation	Problem	Check location
F97	Compressor overheating protection		○		○	○	○	3 times happen within 30 minutes	—	Compressor overheat	• Insufficient refrigerant
F98	Total running current protection		○	○				3 times happen within 20 minutes	—	Total current protection	• Check refrigeration system • Power source or compressor lock
F99	Outdoor direct current (DC) peak detection		○	○			○	Continuous happen for 7 times	—	Power transistor module current protection	• Power transistor module faulty or compressor lock

LED 1 illuminate is indicated that outdoor unit is operating normally. If the LED 1 is switched off or flashing, check the power supply and self-diagnosis indication.

● ------ Illuminate
○ ------ Flashing
Blank ------ OFF

16. Disassembly and Assembly Instructions

WARNING

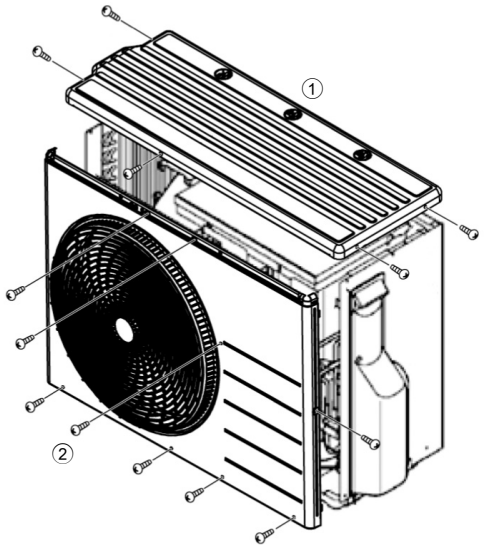
High voltages are generated in the electrical parts area by the capacitor. Ensure that the capacitor has discharged sufficiently before proceeding with repair work. Failure to heed this caution may result in electric shocks.

16.1 Outdoor Unit Removal Procedure (CU-2E12SBE CU-2E15SBE CU-2E18SBE)

⚠ Caution! When handling electronic controller, be careful of electrostatic discharge.

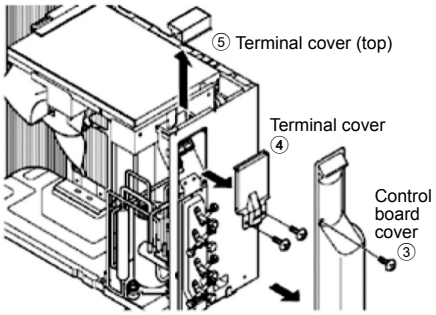
16.1.1 Removing the Cabinet Top Plate and Cabinet Front Plate

1. Remove the cabinet top plate (by removing the 5 screws).
2. Remove the 8 screws fixing the cabinet front plate, release 6 hooks and pull the cabinet front plate toward front side.



16.1.2 Removing the Control Board Cover

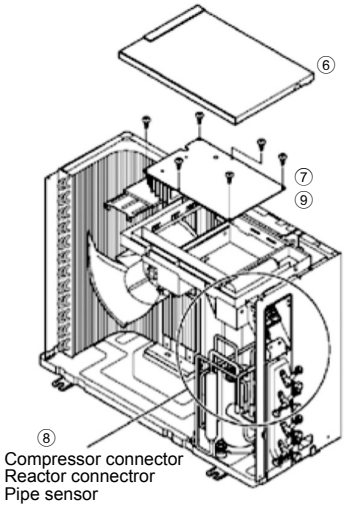
3. Remove the control board cover (remove 1 screw).
4. Remove the terminal cover (remove 2 screws).
5. Remove the terminal cover (top) and disconnect all the lead wires (3 fasten tab) inside.



16.1.3 Removing the Control Board

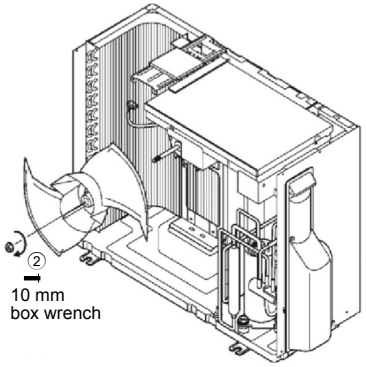
6. Remove the control board cover.
7. Remove the 6 screws at the positions on the control board indicated by arrows.
8. Disconnect the connectors and pipe sensor connected to the compressor and reactor.
9. Remove the control board.

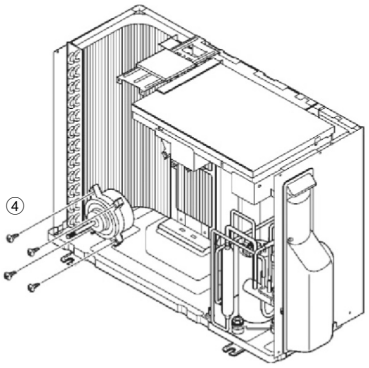
   When pulling the control board upward, it may not be possible to remove it because of the way in which the ground wire and other wires are routed. In this case, it is removed after the control board cover itself has been removed.



16.1.4 Removing the Propeller Fan and Fan Motor

1. Remove the cabinet top plate and cabinet front plate.
2. Remove the propeller fan by removing the nut turning clockwise at its center.
3. Disconnect the connector of the fan motor from the control board.
4. Loosen the 4 screws at the fan motor mounting then remove the fan motor.



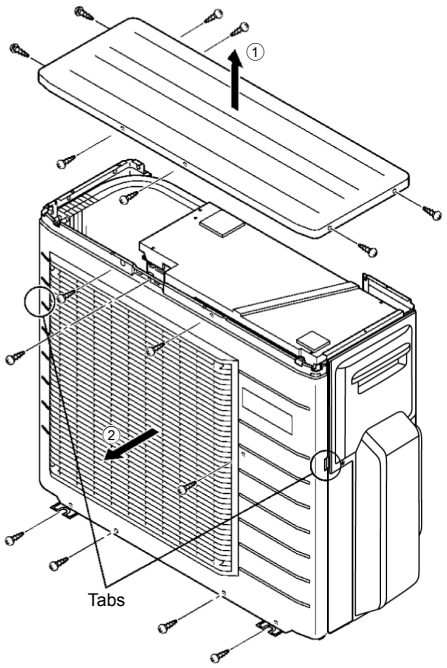


16.2 Outdoor Unit Removal Procedure (CU-3E23SBE)

⚠ Caution! When handling electronic controller, be careful of electrostatic discharge.

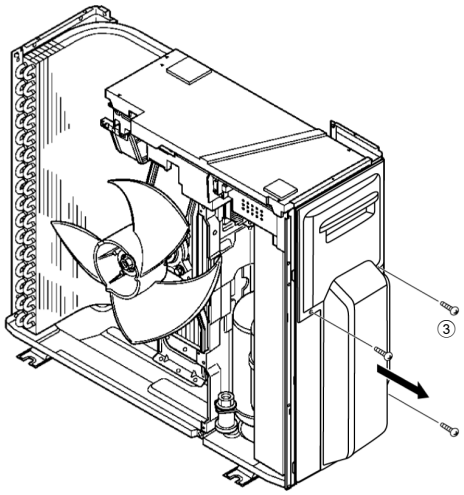
16.2.1 Removing the Cabinet Top Plate and Cabinet Front Plate

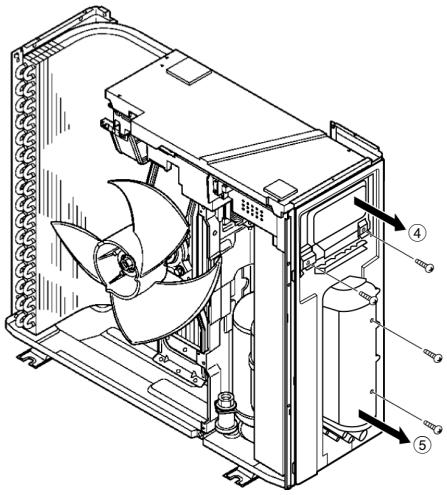
1. Remove the cabinet top plate (remove the 8 screws).
2. Remove the 8 screws (1 on the center, 3 at the top and 4 at the bottom) securing the cabinet front plate, release the 2 hooks (1 each at the left and right), and pull the cabinet front plate toward front side.



16.2.2 Remove the Control Board Cover and Particular Plates

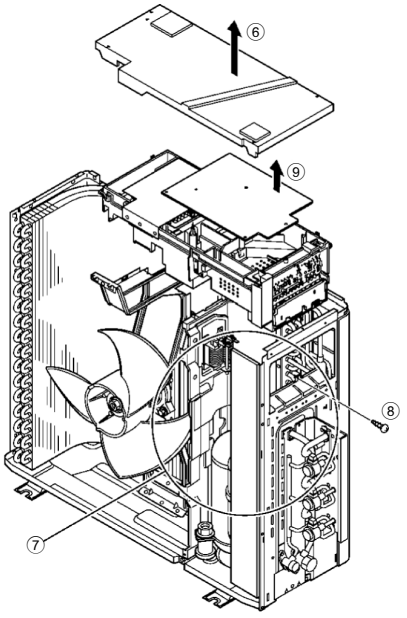
3. Remove the control board cover (remove 3 screws).
4. Remove the particular plate (remove 2 screws).
5. Remove the particular plate (remove 2 screws).





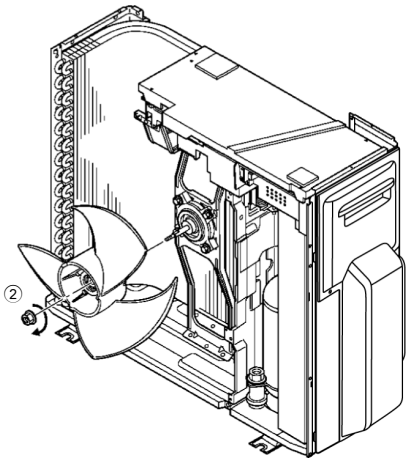
16.2.3 Removing the Control P.C. Board

6. Remove the drip proof cover.
7. Disconnect the connectors (lead wires of the compressor, sensor, and others).
8. Remove the screw at the right side of the control box, and pull out the entire control box.
9. Release the control P.C. Board tab to remove the control P.C. Board.

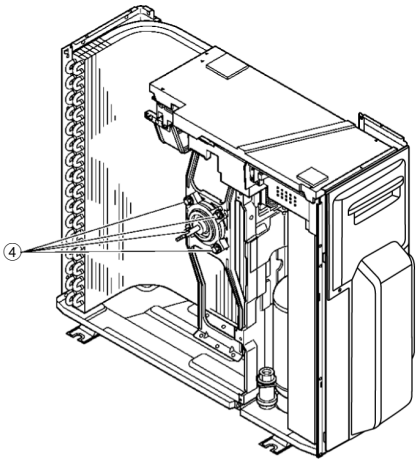


16.2.4 Removing the Propeller Fan and Fan Motor

1. Follow the steps in 18.2.1 for removing the cabinet top plate and cabinet front plate.
2. Remove the propeller fan by removing the nut turning clockwise at its center.



3. Disconnect the fan motor connector from the control P.C. Board.
4. Loosen the 4 fan motor mounting screws then remove the fan motor.



17. Technical Data

Technical data provided are based on the air conditioner running under free frequency.

17.1 Cool Mode Performance Data

Unit setting: Standard piping length, Hi Fan, Cool mode at 16°C
Voltage: 230V, 50Hz

17.1.1 CU-2E12SBE

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	22	2.09	0.31	1.94	0.27	1.89	0.26	1.79	0.23	2.50	0.30	2.97	0.36
	25	2.18	0.39	2.18	0.36	2.18	0.35	2.19	0.34	2.65	0.39	2.96	0.42
	29	2.16	0.48	2.29	0.47	2.33	0.47	2.41	0.46	2.69	0.48	2.88	0.49
	32	2.08	0.54	2.24	0.54	2.30	0.54	2.41	0.54	2.63	0.54	2.78	0.55
	35	1.97	0.59	2.14	0.59	2.19	0.60	2.30	0.60	2.51	0.59	2.65	0.59
	40	1.79	0.66	1.90	0.67	1.93	0.67	2.00	0.68	2.26	0.67	2.43	0.66
	43	1.73	0.69	1.78	0.70	1.80	0.70	1.83	0.70	2.11	0.70	2.29	0.69
	46	1.75	0.72	1.73	0.72	1.72	0.72	1.71	0.71	1.99	0.72	2.18	0.72
2.0	22	2.63	0.39	2.44	0.34	2.38	0.32	2.25	0.28	3.15	0.38	3.75	0.45
	25	2.74	0.49	2.75	0.45	2.75	0.44	2.76	0.42	3.34	0.48	3.73	0.53
	29	2.73	0.60	2.88	0.59	2.94	0.58	3.04	0.57	3.39	0.60	3.63	0.62
	32	2.62	0.67	2.83	0.67	2.89	0.67	3.03	0.67	3.32	0.68	3.50	0.68
	35	2.49	0.74	2.69	0.74	2.76	0.75	2.90	0.75	3.17	0.74	3.35	0.74
	40	2.26	0.83	2.39	0.84	2.44	0.84	2.53	0.84	2.85	0.83	3.07	0.82
	43	2.18	0.86	2.25	0.87	2.27	0.87	2.31	0.88	2.66	0.87	2.89	0.86
	46	2.20	0.91	2.18	0.90	2.17	0.90	2.15	0.89	2.51	0.90	2.74	0.91
2.5	22	3.18	0.52	2.95	0.45	2.87	0.43	2.72	0.38	3.80	0.51	4.52	0.59
	25	3.31	0.65	3.32	0.60	3.32	0.59	3.33	0.56	4.03	0.65	4.50	0.70
	29	3.29	0.80	3.48	0.78	3.54	0.78	3.67	0.77	4.10	0.80	4.38	0.82
	32	3.16	0.89	3.41	0.89	3.49	0.89	3.66	0.89	4.00	0.90	4.23	0.91
	35	3.00	0.98	3.25	0.99	3.33	0.99	3.50	1.00	3.82	0.99	4.04	0.98
	40	2.73	1.11	2.89	1.12	2.94	1.12	3.05	1.13	3.44	1.11	3.70	1.10
	43	2.63	1.15	2.71	1.16	2.74	1.17	2.79	1.17	3.21	1.16	3.49	1.15
	46	2.66	1.21	2.63	1.20	2.62	1.20	2.60	1.19	3.03	1.20	3.31	1.21
2.8	22	3.18	0.52	2.95	0.45	2.87	0.43	2.72	0.38	3.80	0.51	4.52	0.59
	25	3.31	0.65	3.32	0.60	3.32	0.59	3.33	0.56	4.03	0.65	4.50	0.70
	29	3.29	0.80	3.48	0.78	3.54	0.78	3.67	0.77	4.10	0.80	4.38	0.82
	32	3.16	0.89	3.41	0.89	3.49	0.89	3.66	0.89	4.00	0.90	4.23	0.91
	35	3.00	0.98	3.25	0.99	3.33	0.99	3.50	1.00	3.82	0.99	4.04	0.98
	40	2.73	1.11	2.89	1.12	2.94	1.12	3.05	1.13	3.44	1.11	3.70	1.10
	43	2.63	1.15	2.71	1.16	2.74	1.17	2.79	1.17	3.21	1.16	3.49	1.15
	46	2.66	1.21	2.63	1.20	2.62	1.20	2.60	1.19	3.03	1.20	3.31	1.21

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
3.2	22	3.63	0.64	3.37	0.55	3.28	0.52	3.11	0.46	4.34	0.62	5.17	0.73
	25	3.78	0.79	3.79	0.74	3.80	0.72	3.81	0.68	4.61	0.79	5.14	0.86
	29	3.76	0.98	3.98	0.96	4.05	0.95	4.19	0.93	4.68	0.98	5.01	1.00
	32	3.61	1.09	3.90	1.09	3.99	1.09	4.18	1.09	4.57	1.10	4.83	1.11
	35	3.43	1.20	3.71	1.21	3.81	1.21	4.00	1.22	4.37	1.21	4.62	1.20
	40	3.12	1.35	3.30	1.36	3.36	1.37	3.49	1.37	3.93	1.35	4.23	1.34
	43	3.01	1.41	3.10	1.42	3.13	1.42	3.19	1.43	3.67	1.42	3.99	1.41
	46	3.04	1.47	3.01	1.46	2.99	1.46	2.97	1.45	3.46	1.46	3.78	1.47
1.6 + 1.6	22	5.39	0.64	4.51	0.63	4.22	0.63	3.63	0.62	4.17	0.62	4.53	0.62
	25	4.89	0.74	4.53	0.74	4.41	0.73	4.18	0.73	4.66	0.73	4.99	0.73
	29	4.37	0.85	4.38	0.85	4.39	0.85	4.40	0.85	4.82	0.85	5.11	0.85
	32	4.07	0.92	4.18	0.93	4.21	0.93	4.28	0.94	4.67	0.94	4.92	0.94
	35	3.84	1.00	3.92	1.00	3.95	1.00	4.00	1.00	4.35	1.00	4.59	1.00
	40	3.48	1.08	3.45	1.08	3.44	1.08	3.42	1.08	3.71	1.08	3.90	1.08
	43	3.24	1.12	3.18	1.12	3.16	1.12	3.12	1.11	3.36	1.11	3.52	1.11
	46	2.96	1.14	2.96	1.14	2.96	1.13	2.96	1.13	3.14	1.13	3.27	1.13
1.6 + 2.0	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24
1.6 + 2.5	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24
1.6 + 2.8	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 3.2	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24
2.0 + 2.0	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24
2.0 + 2.5	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24
2.0 + 2.8	22	6.07	0.71	5.07	0.69	4.74	0.69	4.08	0.68	4.69	0.68	5.09	0.68
	25	5.50	0.82	5.10	0.81	4.97	0.81	4.70	0.80	5.25	0.80	5.61	0.80
	29	4.91	0.94	4.93	0.94	4.94	0.94	4.95	0.94	5.43	0.94	5.75	0.94
	32	4.58	1.02	4.70	1.02	4.74	1.02	4.81	1.03	5.25	1.03	5.54	1.03
	35	4.32	1.10	4.41	1.10	4.44	1.10	4.50	1.10	4.90	1.10	5.16	1.10
	40	3.92	1.19	3.88	1.19	3.87	1.19	3.85	1.19	4.17	1.19	4.38	1.19
	43	3.65	1.24	3.58	1.23	3.55	1.23	3.50	1.22	3.78	1.22	3.96	1.22
	46	3.33	1.26	3.33	1.25	3.33	1.25	3.33	1.24	3.54	1.24	3.68	1.24
2.0 + 3.2	22	6.07	0.67	5.07	0.66	4.74	0.66	4.08	0.65	4.69	0.65	5.09	0.65
	25	5.50	0.78	5.10	0.77	4.97	0.77	4.70	0.77	5.25	0.77	5.61	0.77
	29	4.91	0.90	4.93	0.90	4.94	0.90	4.95	0.90	5.43	0.90	5.75	0.90
	32	4.58	0.97	4.70	0.98	4.74	0.98	4.81	0.98	5.25	0.98	5.54	0.98
	35	4.32	1.05	4.41	1.05	4.44	1.05	4.50	1.05	4.90	1.05	5.16	1.05
	40	3.92	1.14	3.88	1.14	3.87	1.14	3.85	1.14	4.17	1.14	4.38	1.14
	43	3.65	1.18	3.58	1.17	3.55	1.17	3.50	1.17	3.78	1.17	3.96	1.17
	46	3.33	1.20	3.33	1.19	3.33	1.19	3.33	1.19	3.54	1.19	3.68	1.19

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.5	22	6.07	0.67	5.07	0.66	4.74	0.66	4.08	0.65	4.69	0.65	5.09	0.65
	25	5.50	0.78	5.10	0.77	4.97	0.77	4.70	0.77	5.25	0.77	5.61	0.77
	29	4.91	0.90	4.93	0.90	4.94	0.90	4.95	0.90	5.43	0.90	5.75	0.90
	32	4.58	0.97	4.70	0.98	4.74	0.98	4.81	0.98	5.25	0.98	5.54	0.98
	35	4.32	1.05	4.41	1.05	4.44	1.05	4.50	1.05	4.90	1.05	5.16	1.05
	40	3.92	1.14	3.88	1.14	3.87	1.14	3.85	1.14	4.17	1.14	4.38	1.14
	43	3.65	1.18	3.58	1.17	3.55	1.17	3.50	1.17	3.78	1.17	3.96	1.17
	46	3.33	1.20	3.33	1.19	3.33	1.19	3.33	1.19	3.54	1.19	3.68	1.19
2.5 + 2.8	22	6.07	0.67	5.07	0.66	4.74	0.66	4.08	0.65	4.69	0.65	5.09	0.65
	25	5.50	0.78	5.10	0.77	4.97	0.77	4.70	0.77	5.25	0.77	5.61	0.77
	29	4.91	0.90	4.93	0.90	4.94	0.90	4.95	0.90	5.43	0.90	5.75	0.90
	32	4.58	0.97	4.70	0.98	4.74	0.98	4.81	0.98	5.25	0.98	5.54	0.98
	35	4.32	1.05	4.41	1.05	4.44	1.05	4.50	1.05	4.90	1.05	5.16	1.05
	40	3.92	1.14	3.88	1.14	3.87	1.14	3.85	1.14	4.17	1.14	4.38	1.14
	43	3.65	1.18	3.58	1.17	3.55	1.17	3.50	1.17	3.78	1.17	3.96	1.17
	46	3.33	1.20	3.33	1.19	3.33	1.19	3.33	1.19	3.54	1.19	3.68	1.19
2.5 + 3.2	22	6.07	0.67	5.07	0.66	4.74	0.66	4.08	0.65	4.69	0.65	5.09	0.65
	25	5.50	0.78	5.10	0.77	4.97	0.77	4.70	0.77	5.25	0.77	5.61	0.77
	29	4.91	0.90	4.93	0.90	4.94	0.90	4.95	0.90	5.43	0.90	5.75	0.90
	32	4.58	0.97	4.70	0.98	4.74	0.98	4.81	0.98	5.25	0.98	5.54	0.98
	35	4.32	1.05	4.41	1.05	4.44	1.05	4.50	1.05	4.90	1.05	5.16	1.05
	40	3.92	1.14	3.88	1.14	3.87	1.14	3.85	1.14	4.17	1.14	4.38	1.14
	43	3.65	1.18	3.58	1.17	3.55	1.17	3.50	1.17	3.78	1.17	3.96	1.17
	46	3.33	1.20	3.33	1.19	3.33	1.19	3.33	1.19	3.54	1.19	3.68	1.19
2.8 + 2.8	22	6.07	0.67	5.07	0.66	4.74	0.66	4.08	0.65	4.69	0.65	5.09	0.65
	25	5.50	0.78	5.10	0.77	4.97	0.77	4.70	0.77	5.25	0.77	5.61	0.77
	29	4.91	0.90	4.93	0.90	4.94	0.90	4.95	0.90	5.43	0.90	5.75	0.90
	32	4.58	0.97	4.70	0.98	4.74	0.98	4.81	0.98	5.25	0.98	5.54	0.98
	35	4.32	1.05	4.41	1.05	4.44	1.05	4.50	1.05	4.90	1.05	5.16	1.05
	40	3.92	1.14	3.88	1.14	3.87	1.14	3.85	1.14	4.17	1.14	4.38	1.14
	43	3.65	1.18	3.58	1.17	3.55	1.17	3.50	1.17	3.78	1.17	3.96	1.17
	46	3.33	1.20	3.33	1.19	3.33	1.19	3.33	1.19	3.54	1.19	3.68	1.19

Total Q: Total Cooling Capacity (kW)
Input Power (kW)

17.1.2 CU-2E15SBE

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	22	2.09	0.31	1.94	0.27	1.89	0.26	1.79	0.23	2.50	0.30	2.97	0.36
	25	2.18	0.39	2.18	0.36	2.18	0.35	2.19	0.34	2.65	0.39	2.96	0.42
	29	2.16	0.48	2.29	0.47	2.33	0.47	2.41	0.46	2.69	0.48	2.88	0.49
	32	2.08	0.54	2.24	0.54	2.30	0.54	2.41	0.54	2.63	0.54	2.78	0.55
	35	1.97	0.59	2.14	0.59	2.19	0.60	2.30	0.60	2.51	0.59	2.65	0.59
	40	1.79	0.66	1.90	0.67	1.93	0.67	2.00	0.68	2.26	0.67	2.43	0.66
	43	1.73	0.69	1.78	0.70	1.80	0.70	1.83	0.70	2.11	0.70	2.29	0.69
	46	1.75	0.72	1.73	0.72	1.72	0.72	1.71	0.71	1.99	0.72	2.18	0.72
2.0	22	2.63	0.39	2.44	0.34	2.38	0.32	2.25	0.28	3.15	0.38	3.75	0.45
	25	2.74	0.49	2.75	0.45	2.75	0.44	2.76	0.42	3.34	0.48	3.73	0.53
	29	2.73	0.60	2.88	0.59	2.94	0.58	3.04	0.57	3.39	0.60	3.63	0.62
	32	2.62	0.67	2.83	0.67	2.89	0.67	3.03	0.67	3.32	0.68	3.50	0.68
	35	2.49	0.74	2.69	0.74	2.76	0.75	2.90	0.75	3.17	0.74	3.35	0.74
	40	2.26	0.83	2.39	0.84	2.44	0.84	2.53	0.84	2.85	0.83	3.07	0.82
	43	2.18	0.86	2.25	0.87	2.27	0.87	2.31	0.88	2.66	0.87	2.89	0.86
	46	2.20	0.91	2.18	0.90	2.17	0.90	2.15	0.89	2.51	0.90	2.74	0.91
2.5	22	3.18	0.52	2.95	0.45	2.87	0.43	2.72	0.38	3.80	0.51	4.52	0.59
	25	3.31	0.65	3.32	0.60	3.32	0.59	3.33	0.56	4.03	0.65	4.50	0.70
	29	3.29	0.80	3.48	0.78	3.54	0.78	3.67	0.77	4.10	0.80	4.38	0.82
	32	3.16	0.89	3.41	0.89	3.49	0.89	3.66	0.89	4.00	0.90	4.23	0.91
	35	3.00	0.98	3.25	0.99	3.33	0.99	3.50	1.00	3.82	0.99	4.04	0.98
	40	2.73	1.11	2.89	1.12	2.94	1.12	3.05	1.13	3.44	1.11	3.70	1.10
	43	2.63	1.15	2.71	1.16	2.74	1.17	2.79	1.17	3.21	1.16	3.49	1.15
	46	2.66	1.21	2.63	1.20	2.62	1.20	2.60	1.19	3.03	1.20	3.31	1.21
2.8	22	3.18	0.52	2.95	0.45	2.87	0.43	2.72	0.38	3.80	0.51	4.52	0.59
	25	3.31	0.65	3.32	0.60	3.32	0.59	3.33	0.56	4.03	0.65	4.50	0.70
	29	3.29	0.80	3.48	0.78	3.54	0.78	3.67	0.77	4.10	0.80	4.38	0.82
	32	3.16	0.89	3.41	0.89	3.49	0.89	3.66	0.89	4.00	0.90	4.23	0.91
	35	3.00	0.98	3.25	0.99	3.33	0.99	3.50	1.00	3.82	0.99	4.04	0.98
	40	2.73	1.11	2.89	1.12	2.94	1.12	3.05	1.13	3.44	1.11	3.70	1.10
	43	2.63	1.15	2.71	1.16	2.74	1.17	2.79	1.17	3.21	1.16	3.49	1.15
	46	2.66	1.21	2.63	1.20	2.62	1.20	2.60	1.19	3.03	1.20	3.31	1.21
3.2	22	3.63	0.64	3.37	0.55	3.28	0.52	3.11	0.46	4.34	0.62	5.17	0.73
	25	3.78	0.79	3.79	0.74	3.80	0.72	3.81	0.68	4.61	0.79	5.14	0.86
	29	3.76	0.98	3.98	0.96	4.05	0.95	4.19	0.93	4.68	0.98	5.01	1.00
	32	3.61	1.09	3.90	1.09	3.99	1.09	4.18	1.09	4.57	1.10	4.83	1.11
	35	3.43	1.20	3.71	1.21	3.81	1.21	4.00	1.22	4.37	1.21	4.62	1.20
	40	3.12	1.35	3.30	1.36	3.36	1.37	3.49	1.37	3.93	1.35	4.23	1.34
	43	3.01	1.41	3.10	1.42	3.13	1.42	3.19	1.43	3.67	1.42	3.99	1.41
	46	3.04	1.47	3.01	1.46	2.99	1.46	2.97	1.45	3.46	1.46	3.78	1.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 1.6	22	5.39	0.71	4.51	0.69	4.22	0.69	3.63	0.68	4.17	0.68	4.53	0.68
	25	4.89	0.82	4.53	0.81	4.41	0.81	4.18	0.80	4.66	0.80	4.99	0.80
	29	4.37	0.94	4.38	0.94	4.39	0.94	4.40	0.94	4.82	0.94	5.11	0.94
	32	4.07	1.02	4.18	1.02	4.21	1.02	4.28	1.03	4.67	1.03	4.92	1.03
	35	3.84	1.10	3.92	1.10	3.95	1.10	4.00	1.10	4.35	1.10	4.59	1.10
	40	3.48	1.19	3.45	1.19	3.44	1.19	3.42	1.19	3.71	1.19	3.90	1.19
	43	3.24	1.24	3.18	1.23	3.16	1.23	3.12	1.22	3.36	1.22	3.52	1.22
	46	2.96	1.26	2.96	1.25	2.96	1.25	2.96	1.24	3.14	1.24	3.27	1.24
1.6 + 2.0	22	6.07	0.82	5.07	0.81	4.74	0.80	4.08	0.79	4.69	0.79	5.09	0.79
	25	5.50	0.95	5.10	0.94	4.97	0.94	4.70	0.93	5.25	0.93	5.61	0.93
	29	4.91	1.09	4.93	1.09	4.94	1.09	4.95	1.09	5.43	1.09	5.75	1.09
	32	4.58	1.18	4.70	1.19	4.74	1.19	4.81	1.20	5.25	1.20	5.54	1.20
	35	4.32	1.28	4.41	1.28	4.44	1.28	4.50	1.28	4.90	1.28	5.16	1.28
	40	3.92	1.39	3.88	1.39	3.87	1.39	3.85	1.39	4.17	1.39	4.38	1.39
	43	3.65	1.44	3.58	1.43	3.55	1.43	3.50	1.42	3.78	1.42	3.96	1.42
	46	3.33	1.46	3.33	1.45	3.33	1.45	3.33	1.45	3.54	1.45	3.68	1.45
1.6 + 2.5	22	6.88	0.95	5.75	0.93	5.37	0.93	4.62	0.91	5.31	0.91	5.77	0.91
	25	6.24	1.10	5.78	1.09	5.63	1.09	5.32	1.08	5.95	1.08	6.36	1.08
	29	5.57	1.26	5.59	1.26	5.59	1.26	5.61	1.26	6.15	1.26	6.51	1.26
	32	5.19	1.37	5.32	1.38	5.37	1.38	5.46	1.38	5.95	1.38	6.28	1.38
	35	4.90	1.48	5.00	1.48	5.03	1.48	5.10	1.48	5.55	1.48	5.85	1.48
	40	4.44	1.60	4.40	1.60	4.39	1.60	4.36	1.60	4.72	1.60	4.97	1.60
	43	4.13	1.66	4.05	1.65	4.03	1.65	3.97	1.65	4.28	1.65	4.49	1.65
	46	3.77	1.69	3.77	1.68	3.77	1.68	3.77	1.67	4.01	1.67	4.17	1.67
1.6 + 2.8	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
1.6 + 3.2	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.0	22	6.74	0.94	5.64	0.92	5.27	0.91	4.53	0.90	5.21	0.90	5.66	0.90
	25	6.12	1.08	5.67	1.07	5.52	1.07	5.22	1.06	5.83	1.06	6.24	1.06
	29	5.46	1.25	5.48	1.25	5.48	1.25	5.50	1.25	6.03	1.25	6.38	1.25
	32	5.09	1.35	5.22	1.36	5.26	1.36	5.35	1.37	5.83	1.37	6.16	1.37
	35	4.80	1.46	4.90	1.46	4.93	1.46	5.00	1.46	5.44	1.46	5.74	1.46
	40	4.35	1.58	4.31	1.58	4.30	1.58	4.27	1.58	4.63	1.58	4.87	1.58
	43	4.05	1.64	3.97	1.63	3.95	1.63	3.89	1.62	4.20	1.62	4.40	1.62
	46	3.70	1.67	3.70	1.66	3.70	1.65	3.70	1.65	3.93	1.65	4.08	1.65
2.0 + 2.5	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.0 + 2.8	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.0 + 3.2	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.5 + 2.5	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.8	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.5 + 3.2	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.8 + 2.8	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72

Total Q: Total Cooling Capacity (kW)
Input Power (kW)

17.1.3 CU-2E18SBE

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	22	2.09	0.31	1.94	0.27	1.89	0.26	1.79	0.23	2.50	0.30	2.97	0.36
	25	2.18	0.39	2.18	0.36	2.18	0.35	2.19	0.34	2.65	0.39	2.96	0.42
	29	2.16	0.48	2.29	0.47	2.33	0.47	2.41	0.46	2.69	0.48	2.88	0.49
	32	2.08	0.54	2.24	0.54	2.30	0.54	2.41	0.54	2.63	0.54	2.78	0.55
	35	1.97	0.59	2.14	0.59	2.19	0.60	2.30	0.60	2.51	0.59	2.65	0.59
	40	1.79	0.66	1.90	0.67	1.93	0.67	2.00	0.68	2.26	0.67	2.43	0.66
	43	1.73	0.69	1.78	0.70	1.80	0.70	1.83	0.70	2.11	0.70	2.29	0.69
	46	1.75	0.72	1.73	0.72	1.72	0.72	1.71	0.71	1.99	0.72	2.18	0.72
2.0	22	2.63	0.39	2.44	0.34	2.38	0.32	2.25	0.28	3.15	0.38	3.75	0.45
	25	2.74	0.49	2.75	0.45	2.75	0.44	2.76	0.42	3.34	0.48	3.73	0.53
	29	2.73	0.60	2.88	0.59	2.94	0.58	3.04	0.57	3.39	0.60	3.63	0.62
	32	2.62	0.67	2.83	0.67	2.89	0.67	3.03	0.67	3.32	0.68	3.50	0.68
	35	2.49	0.74	2.69	0.74	2.76	0.75	2.90	0.75	3.17	0.74	3.35	0.74
	40	2.26	0.83	2.39	0.84	2.44	0.84	2.53	0.84	2.85	0.83	3.07	0.82
	43	2.18	0.86	2.25	0.87	2.27	0.87	2.31	0.88	2.66	0.87	2.89	0.86
	46	2.20	0.91	2.18	0.90	2.17	0.90	2.15	0.89	2.51	0.90	2.74	0.91
2.5	22	3.18	0.52	2.95	0.45	2.87	0.43	2.72	0.38	3.80	0.51	4.52	0.59
	25	3.31	0.65	3.32	0.60	3.32	0.59	3.33	0.56	4.03	0.65	4.50	0.70
	29	3.29	0.80	3.48	0.78	3.54	0.78	3.67	0.77	4.10	0.80	4.38	0.82
	32	3.16	0.89	3.41	0.89	3.49	0.89	3.66	0.89	4.00	0.90	4.23	0.91
	35	3.00	0.98	3.25	0.99	3.33	0.99	3.50	1.00	3.82	0.99	4.04	0.98
	40	2.73	1.11	2.89	1.12	2.94	1.12	3.05	1.13	3.44	1.11	3.70	1.10
	43	2.63	1.15	2.71	1.16	2.74	1.17	2.79	1.17	3.21	1.16	3.49	1.15
	46	2.66	1.21	2.63	1.20	2.62	1.20	2.60	1.19	3.03	1.20	3.31	1.21
2.8	22	3.18	0.52	2.95	0.45	2.87	0.43	2.72	0.38	3.80	0.51	4.52	0.59
	25	3.31	0.65	3.32	0.60	3.32	0.59	3.33	0.56	4.03	0.65	4.50	0.70
	29	3.29	0.80	3.48	0.78	3.54	0.78	3.67	0.77	4.10	0.80	4.38	0.82
	32	3.16	0.89	3.41	0.89	3.49	0.89	3.66	0.89	4.00	0.90	4.23	0.91
	35	3.00	0.98	3.25	0.99	3.33	0.99	3.50	1.00	3.82	0.99	4.04	0.98
	40	2.73	1.11	2.89	1.12	2.94	1.12	3.05	1.13	3.44	1.11	3.70	1.10
	43	2.63	1.15	2.71	1.16	2.74	1.17	2.79	1.17	3.21	1.16	3.49	1.15
	46	2.66	1.21	2.63	1.20	2.62	1.20	2.60	1.19	3.03	1.20	3.31	1.21
3.2	22	3.63	0.64	3.37	0.55	3.28	0.52	3.11	0.46	4.34	0.62	5.17	0.73
	25	3.78	0.79	3.79	0.74	3.80	0.72	3.81	0.68	4.61	0.79	5.14	0.86
	29	3.76	0.98	3.98	0.96	4.05	0.95	4.19	0.93	4.68	0.98	5.01	1.00
	32	3.61	1.09	3.90	1.09	3.99	1.09	4.18	1.09	4.57	1.10	4.83	1.11
	35	3.43	1.20	3.71	1.21	3.81	1.21	4.00	1.22	4.37	1.21	4.62	1.20
	40	3.12	1.35	3.30	1.36	3.36	1.37	3.49	1.37	3.93	1.35	4.23	1.34
	43	3.01	1.41	3.10	1.42	3.13	1.42	3.19	1.43	3.67	1.42	3.99	1.41
	46	3.04	1.47	3.01	1.46	2.99	1.46	2.97	1.45	3.46	1.46	3.78	1.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
4.0	22	3.82	0.73	3.54	0.63	3.45	0.59	3.26	0.53	4.56	0.71	5.42	0.83
	25	3.97	0.90	3.98	0.84	3.99	0.82	4.00	0.78	4.84	0.90	5.40	0.98
	29	3.95	1.11	4.18	1.09	4.25	1.08	4.40	1.06	4.92	1.11	5.26	1.14
	32	3.79	1.24	4.09	1.24	4.19	1.24	4.39	1.24	4.80	1.25	5.08	1.26
	35	3.60	1.36	3.90	1.38	4.00	1.38	4.20	1.39	4.59	1.37	4.85	1.36
	40	3.28	1.54	3.47	1.55	3.53	1.56	3.66	1.57	4.13	1.54	4.44	1.53
	43	3.16	1.60	3.25	1.62	3.28	1.62	3.35	1.63	3.85	1.61	4.19	1.60
	46	3.19	1.68	3.16	1.67	3.14	1.66	3.12	1.65	3.63	1.67	3.97	1.68
5.0	22	4.63	0.94	4.30	0.81	4.19	0.76	3.96	0.68	5.54	0.91	6.59	1.06
	25	4.82	1.16	4.84	1.08	4.84	1.05	4.85	1.00	5.88	1.15	6.56	1.26
	29	4.79	1.44	5.07	1.40	5.16	1.39	5.35	1.37	5.97	1.43	6.38	1.47
	32	4.60	1.60	4.97	1.60	5.09	1.60	5.33	1.60	5.83	1.62	6.16	1.63
	35	4.37	1.76	4.74	1.77	4.86	1.78	5.10	1.79	5.57	1.77	5.89	1.76
	40	3.98	1.98	4.21	2.00	4.29	2.01	4.44	2.02	5.01	1.99	5.39	1.97
	43	3.83	2.06	3.95	2.08	3.99	2.09	4.07	2.10	4.68	2.08	5.09	2.06
	46	3.88	2.16	3.83	2.14	3.82	2.14	3.79	2.13	4.41	2.15	4.82	2.16
1.6 + 1.6	22	5.39	0.71	4.51	0.69	4.22	0.69	3.63	0.68	4.17	0.68	4.53	0.68
	25	4.89	0.82	4.53	0.81	4.41	0.81	4.18	0.80	4.66	0.80	4.99	0.80
	29	4.37	0.94	4.38	0.94	4.39	0.94	4.40	0.94	4.82	0.94	5.11	0.94
	32	4.07	1.02	4.18	1.02	4.21	1.02	4.28	1.03	4.67	1.03	4.92	1.03
	35	3.84	1.10	3.92	1.10	3.95	1.10	4.00	1.10	4.35	1.10	4.59	1.10
	40	3.48	1.19	3.45	1.19	3.44	1.19	3.42	1.19	3.71	1.19	3.90	1.19
	43	3.24	1.24	3.18	1.23	3.16	1.23	3.12	1.22	3.36	1.22	3.52	1.22
	46	2.96	1.26	2.96	1.25	2.96	1.25	2.96	1.24	3.14	1.24	3.27	1.24
1.6 + 2.0	22	6.07	0.82	5.07	0.81	4.74	0.80	4.08	0.79	4.69	0.79	5.09	0.79
	25	5.50	0.95	5.10	0.94	4.97	0.94	4.70	0.93	5.25	0.93	5.61	0.93
	29	4.91	1.09	4.93	1.09	4.94	1.09	4.95	1.09	5.43	1.09	5.75	1.09
	32	4.58	1.18	4.70	1.19	4.74	1.19	4.81	1.20	5.25	1.20	5.54	1.20
	35	4.32	1.28	4.41	1.28	4.44	1.28	4.50	1.28	4.90	1.28	5.16	1.28
	40	3.92	1.39	3.88	1.39	3.87	1.39	3.85	1.39	4.17	1.39	4.38	1.39
	43	3.65	1.44	3.58	1.43	3.55	1.43	3.50	1.42	3.78	1.42	3.96	1.42
	46	3.33	1.46	3.33	1.45	3.33	1.45	3.33	1.45	3.54	1.45	3.68	1.45
1.6 + 2.5	22	6.88	0.95	5.75	0.93	5.37	0.93	4.62	0.91	5.31	0.91	5.77	0.91
	25	6.24	1.10	5.78	1.09	5.63	1.09	5.32	1.08	5.95	1.08	6.36	1.08
	29	5.57	1.26	5.59	1.26	5.59	1.26	5.61	1.26	6.15	1.26	6.51	1.26
	32	5.19	1.37	5.32	1.38	5.37	1.38	5.46	1.38	5.95	1.38	6.28	1.38
	35	4.90	1.48	5.00	1.48	5.03	1.48	5.10	1.48	5.55	1.48	5.85	1.48
	40	4.44	1.60	4.40	1.60	4.39	1.60	4.36	1.60	4.72	1.60	4.97	1.60
	43	4.13	1.66	4.05	1.65	4.03	1.65	3.97	1.65	4.28	1.65	4.49	1.65
	46	3.77	1.69	3.77	1.68	3.77	1.68	3.77	1.67	4.01	1.67	4.17	1.67

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.8	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
1.6 + 3.2	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
1.6 + 4.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
1.6 + 5.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.0 + 2.0	22	6.74	0.94	5.64	0.92	5.27	0.91	4.53	0.90	5.21	0.90	5.66	0.90
	25	6.12	1.08	5.67	1.07	5.52	1.07	5.22	1.06	5.83	1.06	6.24	1.06
	29	5.46	1.25	5.48	1.25	5.48	1.25	5.50	1.25	6.03	1.25	6.38	1.25
	32	5.09	1.35	5.22	1.36	5.26	1.36	5.35	1.37	5.83	1.37	6.16	1.37
	35	4.80	1.46	4.90	1.46	4.93	1.46	5.00	1.46	5.44	1.46	5.74	1.46
	40	4.35	1.58	4.31	1.58	4.30	1.58	4.27	1.58	4.63	1.58	4.87	1.58
	43	4.05	1.64	3.97	1.63	3.95	1.63	3.89	1.62	4.20	1.62	4.40	1.62
	46	3.70	1.67	3.70	1.66	3.70	1.65	3.70	1.65	3.93	1.65	4.08	1.65

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.5	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.0 + 2.8	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.0 + 3.2	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.0 + 4.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.0 + 5.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.5	22	7.01	0.97	5.86	0.96	5.48	0.95	4.71	0.94	5.42	0.94	5.88	0.94
	25	6.36	1.13	5.89	1.12	5.74	1.11	5.43	1.11	6.06	1.11	6.48	1.11
	29	5.68	1.30	5.70	1.30	5.70	1.30	5.72	1.30	6.27	1.30	6.64	1.30
	32	5.29	1.40	5.43	1.41	5.47	1.42	5.56	1.42	6.07	1.42	6.40	1.42
	35	4.99	1.52	5.10	1.52	5.13	1.52	5.20	1.52	5.66	1.52	5.97	1.52
	40	4.53	1.65	4.49	1.65	4.47	1.65	4.44	1.65	4.82	1.65	5.07	1.65
	43	4.22	1.71	4.13	1.70	4.11	1.70	4.05	1.69	4.37	1.69	4.58	1.69
	46	3.84	1.73	3.84	1.73	3.84	1.72	3.84	1.72	4.09	1.72	4.25	1.72
2.5 + 2.8	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.5 + 3.2	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.5 + 4.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.5 + 5.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.8 + 2.8	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.8 + 3.2	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
2.8 + 4.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
3.2 + 3.2	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78
3.2 + 4.0	22	7.28	1.01	6.09	0.99	5.69	0.99	4.89	0.98	5.62	0.98	6.11	0.98
	25	6.60	1.17	6.12	1.16	5.96	1.16	5.64	1.15	6.29	1.15	6.73	1.15
	29	5.89	1.35	5.92	1.35	5.92	1.35	5.94	1.35	6.51	1.35	6.90	1.35
	32	5.50	1.46	5.64	1.47	5.68	1.47	5.78	1.48	6.30	1.48	6.65	1.48
	35	5.18	1.58	5.29	1.58	5.33	1.58	5.40	1.58	5.88	1.58	6.20	1.58
	40	4.70	1.71	4.66	1.71	4.64	1.71	4.61	1.71	5.00	1.71	5.26	1.71
	43	4.38	1.78	4.29	1.77	4.26	1.76	4.21	1.76	4.54	1.76	4.75	1.76
	46	3.99	1.80	3.99	1.79	3.99	1.79	3.99	1.78	4.24	1.78	4.41	1.78

Total Q: Total Cooling Capacity (kW)
Input Power (kW)

17.1.4 CU-3E23SBE

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	22	1.79	0.20	1.90	0.20	1.93	0.20	2.01	0.20	2.61	0.30	3.02	0.37
	25	1.89	0.33	2.02	0.32	2.06	0.32	2.15	0.32	2.68	0.39	3.03	0.44
	29	1.98	0.47	2.12	0.47	2.17	0.46	2.27	0.46	2.71	0.50	3.01	0.53
	32	2.01	0.57	2.16	0.56	2.21	0.56	2.31	0.56	2.69	0.58	2.95	0.59
	35	2.02	0.65	2.16	0.64	2.21	0.64	2.30	0.64	2.64	0.65	2.87	0.65
	40	1.96	0.76	2.08	0.76	2.12	0.76	2.19	0.76	2.48	0.75	2.67	0.74
	43	1.89	0.81	1.98	0.81	2.01	0.81	2.07	0.81	2.33	0.80	2.50	0.79
	46	1.79	0.85	1.85	0.85	1.87	0.85	1.91	0.85	2.15	0.84	2.31	0.83
2.0	22	2.26	0.26	2.39	0.25	2.44	0.25	2.53	0.25	3.30	0.38	3.81	0.47
	25	2.38	0.41	2.55	0.41	2.60	0.41	2.71	0.40	3.38	0.50	3.82	0.56
	29	2.50	0.60	2.68	0.59	2.74	0.59	2.86	0.58	3.42	0.64	3.79	0.67
	32	2.54	0.72	2.72	0.71	2.78	0.71	2.91	0.70	3.40	0.73	3.72	0.75
	35	2.54	0.82	2.72	0.82	2.78	0.81	2.90	0.81	3.33	0.82	3.62	0.82
	40	2.47	0.96	2.62	0.96	2.67	0.96	2.77	0.96	3.12	0.94	3.36	0.94
	43	2.38	1.03	2.50	1.03	2.54	1.03	2.61	1.03	2.94	1.01	3.16	1.00
	46	2.26	1.08	2.33	1.08	2.35	1.08	2.40	1.08	2.71	1.06	2.92	1.05
2.5	22	2.26	0.26	2.39	0.25	2.44	0.25	2.53	0.25	3.30	0.38	3.81	0.47
	25	2.38	0.41	2.55	0.41	2.60	0.41	2.71	0.40	3.38	0.50	3.82	0.56
	29	2.50	0.60	2.68	0.59	2.74	0.59	2.86	0.58	3.42	0.64	3.79	0.67
	32	2.54	0.72	2.72	0.71	2.78	0.71	2.91	0.70	3.40	0.73	3.72	0.75
	35	2.54	0.82	2.72	0.82	2.78	0.81	2.90	0.81	3.33	0.82	3.62	0.82
	40	2.47	0.96	2.62	0.96	2.67	0.96	2.77	0.96	3.12	0.94	3.36	0.94
	43	2.38	1.03	2.50	1.03	2.54	1.03	2.61	1.03	2.94	1.01	3.16	1.00
	46	2.26	1.08	2.33	1.08	2.35	1.08	2.40	1.08	2.71	1.06	2.92	1.05
2.8	22	2.26	0.26	2.39	0.25	2.44	0.25	2.53	0.25	3.30	0.38	3.81	0.47
	25	2.38	0.41	2.55	0.41	2.60	0.41	2.71	0.40	3.38	0.50	3.82	0.56
	29	2.50	0.60	2.68	0.59	2.74	0.59	2.86	0.58	3.42	0.64	3.79	0.67
	32	2.54	0.72	2.72	0.71	2.78	0.71	2.91	0.70	3.40	0.73	3.72	0.75
	35	2.54	0.82	2.72	0.82	2.78	0.81	2.90	0.81	3.33	0.82	3.62	0.82
	40	2.47	0.96	2.62	0.96	2.67	0.96	2.77	0.96	3.12	0.94	3.36	0.94
	43	2.38	1.03	2.50	1.03	2.54	1.03	2.61	1.03	2.94	1.01	3.16	1.00
	46	2.26	1.08	2.33	1.08	2.35	1.08	2.40	1.08	2.71	1.06	2.92	1.05
3.2	22	2.96	0.43	3.14	0.42	3.20	0.42	3.31	0.42	4.32	0.64	4.99	0.78
	25	3.12	0.69	3.34	0.68	3.41	0.68	3.55	0.67	4.43	0.83	5.01	0.94
	29	3.27	1.00	3.51	0.99	3.59	0.99	3.74	0.98	4.48	1.07	4.97	1.13
	32	3.33	1.20	3.57	1.19	3.65	1.19	3.81	1.18	4.45	1.23	4.88	1.26
	35	3.33	1.38	3.57	1.37	3.64	1.37	3.80	1.36	4.36	1.37	4.74	1.38
	40	3.24	1.62	3.43	1.61	3.50	1.61	3.62	1.61	4.09	1.59	4.40	1.57
	43	3.12	1.72	3.27	1.72	3.32	1.72	3.42	1.72	3.85	1.69	4.14	1.67
	46	2.96	1.81	3.05	1.81	3.08	1.81	3.15	1.82	3.55	1.79	3.82	1.77

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
4.0	22	3.35	0.63	3.55	0.62	3.62	0.62	3.75	0.61	4.89	0.93	5.64	1.15
	25	3.53	1.01	3.77	1.00	3.85	1.00	4.01	0.99	5.01	1.22	5.67	1.37
	29	3.70	1.46	3.97	1.45	4.06	1.44	4.24	1.43	5.07	1.56	5.62	1.65
	32	3.76	1.76	4.04	1.74	4.13	1.74	4.31	1.73	5.04	1.80	5.52	1.84
	35	3.77	2.02	4.04	2.00	4.12	2.00	4.30	1.99	4.94	2.01	5.36	2.02
	40	3.67	2.36	3.88	2.36	3.96	2.36	4.10	2.35	4.63	2.32	4.98	2.30
	43	3.53	2.52	3.70	2.52	3.76	2.52	3.87	2.52	4.36	2.48	4.68	2.45
	46	3.35	2.65	3.45	2.65	3.49	2.65	3.56	2.66	4.02	2.62	4.33	2.59
5.0	22	4.44	0.68	4.70	0.67	4.79	0.66	4.97	0.65	6.48	1.00	7.48	1.23
	25	4.69	1.08	5.00	1.07	5.11	1.07	5.32	1.06	6.64	1.30	7.52	1.47
	29	4.91	1.57	5.26	1.55	5.38	1.54	5.62	1.53	6.72	1.67	7.45	1.76
	32	4.99	1.88	5.35	1.87	5.47	1.86	5.71	1.85	6.68	1.92	7.32	1.97
	35	5.00	2.16	5.35	2.14	5.47	2.14	5.70	2.13	6.55	2.15	7.11	2.16
	40	4.86	2.53	5.15	2.52	5.25	2.52	5.44	2.52	6.14	2.48	6.61	2.46
	43	4.68	2.70	4.91	2.70	4.98	2.70	5.13	2.70	5.78	2.65	6.21	2.62
	46	4.44	2.83	4.58	2.84	4.63	2.84	4.72	2.84	5.33	2.80	5.73	2.77
6.0	22	4.83	0.74	5.12	0.73	5.21	0.72	5.41	0.72	7.05	1.09	8.14	1.34
	25	5.10	1.19	5.44	1.17	5.56	1.17	5.79	1.15	7.22	1.42	8.18	1.60
	29	5.34	1.71	5.72	1.70	5.85	1.69	6.11	1.68	7.31	1.83	8.11	1.93
	32	5.43	2.06	5.82	2.04	5.95	2.04	6.21	2.02	7.26	2.10	7.96	2.16
	35	5.44	2.36	5.82	2.35	5.95	2.34	6.20	2.33	7.12	2.35	7.73	2.37
	40	5.29	2.77	5.60	2.76	5.71	2.76	5.91	2.75	6.68	2.72	7.19	2.69
	43	5.10	2.95	5.34	2.95	5.42	2.95	5.58	2.95	6.28	2.90	6.75	2.87
	46	4.82	3.10	4.98	3.10	5.03	3.11	5.14	3.11	5.80	3.06	6.24	3.03
1.6 + 1.6	22	6.53	1.30	6.73	1.28	6.80	1.27	6.93	1.26	7.63	1.25	8.09	1.24
	25	6.46	1.48	6.69	1.48	6.76	1.48	6.91	1.48	7.62	1.49	8.09	1.50
	29	6.31	1.70	6.55	1.71	6.63	1.72	6.79	1.73	7.49	1.76	7.96	1.78
	32	6.14	1.84	6.38	1.86	6.46	1.87	6.63	1.88	7.30	1.91	7.76	1.93
	35	5.92	1.97	6.16	1.99	6.24	2.00	6.40	2.01	7.04	2.03	7.47	2.04
	40	5.47	2.14	5.68	2.15	5.75	2.15	5.89	2.16	6.44	2.14	6.81	2.12
	43	5.14	2.23	5.32	2.22	5.38	2.22	5.50	2.21	5.98	2.15	6.30	2.11
	46	4.77	2.29	4.91	2.27	4.96	2.26	5.05	2.24	5.44	2.13	5.71	2.05
1.6 + 2.0	22	6.53	1.28	6.73	1.26	6.80	1.25	6.93	1.24	7.63	1.22	8.09	1.21
	25	6.46	1.45	6.69	1.45	6.76	1.45	6.91	1.45	7.62	1.46	8.09	1.47
	29	6.31	1.66	6.55	1.68	6.63	1.68	6.79	1.69	7.49	1.72	7.96	1.74
	32	6.14	1.80	6.38	1.82	6.46	1.83	6.63	1.85	7.30	1.87	7.76	1.89
	35	5.92	1.93	6.16	1.95	6.24	1.96	6.40	1.97	7.04	1.99	7.47	2.00
	40	5.47	2.10	5.68	2.11	5.75	2.11	5.89	2.12	6.44	2.09	6.81	2.08
	43	5.14	2.18	5.32	2.18	5.38	2.17	5.50	2.17	5.98	2.11	6.30	2.07
	46	4.77	2.25	4.91	2.22	4.96	2.21	5.05	2.20	5.44	2.08	5.71	2.01

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 25	22	6.53	1.28	6.73	1.26	6.80	1.25	6.93	1.24	7.63	1.22	8.09	1.21
	25	6.46	1.45	6.69	1.45	6.76	1.45	6.91	1.45	7.62	1.46	8.09	1.47
	29	6.31	1.66	6.55	1.68	6.63	1.68	6.79	1.69	7.49	1.72	7.96	1.74
	32	6.14	1.80	6.38	1.82	6.46	1.83	6.63	1.85	7.30	1.87	7.76	1.89
	35	5.92	1.93	6.16	1.95	6.24	1.96	6.40	1.97	7.04	1.99	7.47	2.00
	40	5.47	2.10	5.68	2.11	5.75	2.11	5.89	2.12	6.44	2.09	6.81	2.08
	43	5.14	2.18	5.32	2.18	5.38	2.17	5.50	2.17	5.98	2.11	6.30	2.07
	46	4.77	2.25	4.91	2.22	4.96	2.21	5.05	2.20	5.44	2.08	5.71	2.01
1.6 + 2.8	22	6.53	1.28	6.73	1.26	6.80	1.25	6.93	1.24	7.63	1.22	8.09	1.21
	25	6.46	1.45	6.69	1.45	6.76	1.45	6.91	1.45	7.62	1.46	8.09	1.47
	29	6.31	1.66	6.55	1.68	6.63	1.68	6.79	1.69	7.49	1.72	7.96	1.74
	32	6.14	1.80	6.38	1.82	6.46	1.83	6.63	1.85	7.30	1.87	7.76	1.89
	35	5.92	1.93	6.16	1.95	6.24	1.96	6.40	1.97	7.04	1.99	7.47	2.00
	40	5.47	2.10	5.68	2.11	5.75	2.11	5.89	2.12	6.44	2.09	6.81	2.08
	43	5.14	2.18	5.32	2.18	5.38	2.17	5.50	2.17	5.98	2.11	6.30	2.07
	46	4.77	2.25	4.91	2.22	4.96	2.21	5.05	2.20	5.44	2.08	5.71	2.01
1.6 + 3.2	22	7.04	1.53	7.26	1.50	7.33	1.50	7.47	1.48	8.22	1.46	8.72	1.45
	25	6.97	1.74	7.21	1.74	7.29	1.74	7.45	1.74	8.21	1.75	8.72	1.76
	29	6.80	1.99	7.06	2.01	7.15	2.02	7.32	2.03	8.07	2.06	8.58	2.09
	32	6.62	2.16	6.88	2.18	6.97	2.19	7.14	2.21	7.88	2.24	8.36	2.27
	35	6.39	2.31	6.64	2.33	6.73	2.34	6.90	2.36	7.59	2.38	8.06	2.39
	40	5.90	2.51	6.12	2.53	6.20	2.53	6.35	2.54	6.95	2.51	7.34	2.49
	43	5.55	2.61	5.74	2.61	5.80	2.60	5.93	2.60	6.45	2.52	6.79	2.47
	46	5.15	2.69	5.29	2.66	5.34	2.65	5.44	2.63	5.87	2.50	6.15	2.41
1.6 + 4.0	22	7.04	1.50	7.26	1.48	7.33	1.47	7.47	1.46	8.22	1.44	8.72	1.43
	25	6.97	1.71	7.21	1.71	7.29	1.71	7.45	1.71	8.21	1.72	8.72	1.73
	29	6.80	1.96	7.06	1.98	7.15	1.98	7.32	2.00	8.07	2.03	8.58	2.05
	32	6.62	2.12	6.88	2.15	6.97	2.16	7.14	2.17	7.88	2.21	8.36	2.23
	35	6.39	2.27	6.64	2.29	6.73	2.30	6.90	2.32	7.59	2.34	8.06	2.35
	40	5.90	2.47	6.12	2.48	6.20	2.49	6.35	2.49	6.95	2.47	7.34	2.45
	43	5.55	2.57	5.74	2.56	5.80	2.56	5.93	2.56	6.45	2.48	6.79	2.43
	46	5.15	2.65	5.29	2.62	5.34	2.61	5.44	2.59	5.87	2.45	6.15	2.37
1.6 + 5.0	22	7.66	1.55	7.89	1.53	7.97	1.52	8.12	1.51	8.94	1.49	9.48	1.48
	25	7.57	1.77	7.84	1.77	7.92	1.77	8.10	1.77	8.93	1.78	9.48	1.79
	29	7.39	2.03	7.67	2.04	7.77	2.05	7.96	2.06	8.78	2.10	9.32	2.12
	32	7.19	2.20	7.48	2.22	7.57	2.23	7.76	2.25	8.56	2.28	9.09	2.31
	35	6.94	2.35	7.22	2.37	7.31	2.38	7.50	2.40	8.26	2.42	8.76	2.44
	40	6.41	2.56	6.66	2.57	6.74	2.57	6.90	2.58	7.55	2.55	7.98	2.53
	43	6.03	2.66	6.24	2.65	6.30	2.65	6.44	2.64	7.01	2.57	7.38	2.52
	46	5.59	2.74	5.75	2.71	5.81	2.70	5.91	2.67	6.38	2.54	6.69	2.45

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 6.0	22	7.66	1.55	7.89	1.53	7.97	1.52	8.12	1.51	8.94	1.49	9.48	1.48
	25	7.57	1.77	7.84	1.77	7.92	1.77	8.10	1.77	8.93	1.78	9.48	1.79
	29	7.39	2.03	7.67	2.04	7.77	2.05	7.96	2.06	8.78	2.10	9.32	2.12
	32	7.19	2.20	7.48	2.22	7.57	2.23	7.76	2.25	8.56	2.28	9.09	2.31
	35	6.94	2.35	7.22	2.37	7.31	2.38	7.50	2.40	8.26	2.42	8.76	2.44
	40	6.41	2.56	6.66	2.57	6.74	2.57	6.90	2.58	7.55	2.55	7.98	2.53
	43	6.03	2.66	6.24	2.65	6.30	2.65	6.44	2.64	7.01	2.57	7.38	2.52
	46	5.59	2.74	5.75	2.71	5.81	2.70	5.91	2.67	6.38	2.54	6.69	2.45
2.0 + 2.0	22	6.53	1.26	6.73	1.24	6.80	1.23	6.93	1.22	7.63	1.20	8.09	1.19
	25	6.46	1.43	6.69	1.43	6.76	1.43	6.91	1.43	7.62	1.44	8.09	1.45
	29	6.31	1.64	6.55	1.65	6.63	1.66	6.79	1.67	7.49	1.70	7.96	1.71
	32	6.14	1.77	6.38	1.80	6.46	1.80	6.63	1.82	7.30	1.84	7.76	1.86
	35	5.92	1.90	6.16	1.92	6.24	1.93	6.40	1.94	7.04	1.96	7.47	1.97
	40	5.47	2.07	5.68	2.08	5.75	2.08	5.89	2.09	6.44	2.06	6.81	2.05
	43	5.14	2.15	5.32	2.14	5.38	2.14	5.50	2.14	5.98	2.08	6.30	2.03
	46	4.77	2.21	4.91	2.19	4.96	2.18	5.05	2.16	5.44	2.05	5.71	1.98
2.0 + 2.5	22	6.53	1.26	6.73	1.24	6.80	1.23	6.93	1.22	7.63	1.20	8.09	1.19
	25	6.46	1.43	6.69	1.43	6.76	1.43	6.91	1.43	7.62	1.44	8.09	1.45
	29	6.31	1.64	6.55	1.65	6.63	1.66	6.79	1.67	7.49	1.70	7.96	1.71
	32	6.14	1.77	6.38	1.80	6.46	1.80	6.63	1.82	7.30	1.84	7.76	1.86
	35	5.92	1.90	6.16	1.92	6.24	1.93	6.40	1.94	7.04	1.96	7.47	1.97
	40	5.47	2.07	5.68	2.08	5.75	2.08	5.89	2.09	6.44	2.06	6.81	2.05
	43	5.14	2.15	5.32	2.14	5.38	2.14	5.50	2.14	5.98	2.08	6.30	2.03
	46	4.77	2.21	4.91	2.19	4.96	2.18	5.05	2.16	5.44	2.05	5.71	1.98
2.0 + 2.8	22	6.53	1.26	6.73	1.24	6.80	1.23	6.93	1.22	7.63	1.20	8.09	1.19
	25	6.46	1.43	6.69	1.43	6.76	1.43	6.91	1.43	7.62	1.44	8.09	1.45
	29	6.31	1.64	6.55	1.65	6.63	1.66	6.79	1.67	7.49	1.70	7.96	1.71
	32	6.14	1.77	6.38	1.80	6.46	1.80	6.63	1.82	7.30	1.84	7.76	1.86
	35	5.92	1.90	6.16	1.92	6.24	1.93	6.40	1.94	7.04	1.96	7.47	1.97
	40	5.47	2.07	5.68	2.08	5.75	2.08	5.89	2.09	6.44	2.06	6.81	2.05
	43	5.14	2.15	5.32	2.14	5.38	2.14	5.50	2.14	5.98	2.08	6.30	2.03
	46	4.77	2.21	4.91	2.19	4.96	2.18	5.05	2.16	5.44	2.05	5.71	1.98
2.0 + 3.2	22	7.04	1.50	7.26	1.48	7.33	1.47	7.47	1.46	8.22	1.44	8.72	1.43
	25	6.97	1.71	7.21	1.71	7.29	1.71	7.45	1.71	8.21	1.72	8.72	1.73
	29	6.80	1.96	7.06	1.98	7.15	1.98	7.32	2.00	8.07	2.03	8.58	2.05
	32	6.62	2.12	6.88	2.15	6.97	2.16	7.14	2.17	7.88	2.21	8.36	2.23
	35	6.39	2.27	6.64	2.29	6.73	2.30	6.90	2.32	7.59	2.34	8.06	2.35
	40	5.90	2.47	6.12	2.48	6.20	2.49	6.35	2.49	6.95	2.47	7.34	2.45
	43	5.55	2.57	5.74	2.56	5.80	2.56	5.93	2.56	6.45	2.48	6.79	2.43
	46	5.15	2.65	5.29	2.62	5.34	2.61	5.44	2.59	5.87	2.45	6.15	2.37

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 4.0	22	7.04	1.48	7.26	1.45	7.33	1.45	7.47	1.43	8.22	1.41	8.72	1.40
	25	6.97	1.68	7.21	1.68	7.29	1.68	7.45	1.68	8.21	1.69	8.72	1.70
	29	6.80	1.92	7.06	1.94	7.15	1.95	7.32	1.96	8.07	1.99	8.58	2.01
	32	6.62	2.09	6.88	2.11	6.97	2.12	7.14	2.14	7.88	2.17	8.36	2.19
	35	6.39	2.23	6.64	2.25	6.73	2.26	6.90	2.28	7.59	2.30	8.06	2.31
	40	5.90	2.43	6.12	2.44	6.20	2.44	6.35	2.45	6.95	2.42	7.34	2.40
	43	5.55	2.52	5.74	2.52	5.80	2.52	5.93	2.51	6.45	2.44	6.79	2.39
	46	5.15	2.60	5.29	2.57	5.34	2.56	5.44	2.54	5.87	2.41	6.15	2.32
2.0 + 5.0	22	7.66	1.52	7.89	1.50	7.97	1.49	8.12	1.47	8.94	1.46	9.48	1.45
	25	7.57	1.73	7.84	1.73	7.92	1.73	8.10	1.73	8.93	1.74	9.48	1.75
	29	7.39	1.98	7.67	2.00	7.77	2.01	7.96	2.02	8.78	2.05	9.32	2.08
	32	7.19	2.15	7.48	2.18	7.57	2.18	7.76	2.20	8.56	2.23	9.09	2.26
	35	6.94	2.30	7.22	2.32	7.31	2.33	7.50	2.35	8.26	2.37	8.76	2.38
	40	6.41	2.50	6.66	2.51	6.74	2.52	6.90	2.53	7.55	2.50	7.98	2.48
	43	6.03	2.60	6.24	2.60	6.30	2.59	6.44	2.59	7.01	2.51	7.38	2.46
	46	5.59	2.68	5.75	2.65	5.81	2.64	5.91	2.62	6.38	2.49	6.69	2.40
2.0 + 6.0	22	7.66	1.52	7.89	1.50	7.97	1.49	8.12	1.47	8.94	1.46	9.48	1.45
	25	7.57	1.73	7.84	1.73	7.92	1.73	8.10	1.73	8.93	1.74	9.48	1.75
	29	7.39	1.98	7.67	2.00	7.77	2.01	7.96	2.02	8.78	2.05	9.32	2.08
	32	7.19	2.15	7.48	2.18	7.57	2.18	7.76	2.20	8.56	2.23	9.09	2.26
	35	6.94	2.30	7.22	2.32	7.31	2.33	7.50	2.35	8.26	2.37	8.76	2.38
	40	6.41	2.50	6.66	2.51	6.74	2.52	6.90	2.53	7.55	2.50	7.98	2.48
	43	6.03	2.60	6.24	2.60	6.30	2.59	6.44	2.59	7.01	2.51	7.38	2.46
	46	5.59	2.68	5.75	2.65	5.81	2.64	5.91	2.62	6.38	2.49	6.69	2.40
2.5 + 2.5	22	6.94	1.50	7.15	1.47	7.22	1.47	7.36	1.45	8.10	1.43	8.60	1.42
	25	6.87	1.70	7.11	1.70	7.18	1.70	7.34	1.70	8.09	1.71	8.60	1.72
	29	6.70	1.95	6.96	1.97	7.04	1.97	7.21	1.99	7.96	2.02	8.45	2.04
	32	6.52	2.11	6.78	2.14	6.87	2.15	7.04	2.16	7.76	2.20	8.24	2.22
	35	6.29	2.26	6.55	2.28	6.63	2.29	6.80	2.31	7.48	2.33	7.94	2.34
	40	5.81	2.46	6.04	2.47	6.11	2.48	6.26	2.48	6.84	2.46	7.24	2.44
	43	5.47	2.56	5.65	2.55	5.72	2.55	5.84	2.54	6.35	2.47	6.70	2.42
	46	5.07	2.64	5.22	2.61	5.26	2.60	5.36	2.57	5.78	2.44	6.06	2.36
2.5 + 2.8	22	6.94	1.50	7.15	1.47	7.22	1.47	7.36	1.45	8.10	1.43	8.60	1.42
	25	6.87	1.70	7.11	1.70	7.18	1.70	7.34	1.70	8.09	1.71	8.60	1.72
	29	6.70	1.95	6.96	1.97	7.04	1.97	7.21	1.99	7.96	2.02	8.45	2.04
	32	6.52	2.11	6.78	2.14	6.87	2.15	7.04	2.16	7.76	2.20	8.24	2.22
	35	6.29	2.26	6.55	2.28	6.63	2.29	6.80	2.31	7.48	2.33	7.94	2.34
	40	5.81	2.46	6.04	2.47	6.11	2.48	6.26	2.48	6.84	2.46	7.24	2.44
	43	5.47	2.56	5.65	2.55	5.72	2.55	5.84	2.54	6.35	2.47	6.70	2.42
	46	5.07	2.64	5.22	2.61	5.26	2.60	5.36	2.57	5.78	2.44	6.06	2.36

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 3.2	22	7.04	1.50	7.26	1.48	7.33	1.47	7.47	1.46	8.22	1.44	8.72	1.43
	25	6.97	1.71	7.21	1.71	7.29	1.71	7.45	1.71	8.21	1.72	8.72	1.73
	29	6.80	1.96	7.06	1.98	7.15	1.98	7.32	2.00	8.07	2.03	8.58	2.05
	32	6.62	2.12	6.88	2.15	6.97	2.16	7.14	2.17	7.88	2.21	8.36	2.23
	35	6.39	2.27	6.64	2.29	6.73	2.30	6.90	2.32	7.59	2.34	8.06	2.35
	40	5.90	2.47	6.12	2.48	6.20	2.49	6.35	2.49	6.95	2.47	7.34	2.45
	43	5.55	2.57	5.74	2.56	5.80	2.56	5.93	2.56	6.45	2.48	6.79	2.43
	46	5.15	2.65	5.29	2.62	5.34	2.61	5.44	2.59	5.87	2.45	6.15	2.37
2.5 + 4.0	22	7.04	1.48	7.26	1.45	7.33	1.45	7.47	1.43	8.22	1.41	8.72	1.40
	25	6.97	1.68	7.21	1.68	7.29	1.68	7.45	1.68	8.21	1.69	8.72	1.70
	29	6.80	1.92	7.06	1.94	7.15	1.95	7.32	1.96	8.07	1.99	8.58	2.01
	32	6.62	2.09	6.88	2.11	6.97	2.12	7.14	2.14	7.88	2.17	8.36	2.19
	35	6.39	2.23	6.64	2.25	6.73	2.26	6.90	2.28	7.59	2.30	8.06	2.31
	40	5.90	2.43	6.12	2.44	6.20	2.44	6.35	2.45	6.95	2.42	7.34	2.40
	43	5.55	2.52	5.74	2.52	5.80	2.52	5.93	2.51	6.45	2.44	6.79	2.39
	46	5.15	2.60	5.29	2.57	5.34	2.56	5.44	2.54	5.87	2.41	6.15	2.32
2.5 + 5.0	22	7.66	1.52	7.89	1.50	7.97	1.49	8.12	1.47	8.94	1.46	9.48	1.45
	25	7.57	1.73	7.84	1.73	7.92	1.73	8.10	1.73	8.93	1.74	9.48	1.75
	29	7.39	1.98	7.67	2.00	7.77	2.01	7.96	2.02	8.78	2.05	9.32	2.08
	32	7.19	2.15	7.48	2.18	7.57	2.18	7.76	2.20	8.56	2.23	9.09	2.26
	35	6.94	2.30	7.22	2.32	7.31	2.33	7.50	2.35	8.26	2.37	8.76	2.38
	40	6.41	2.50	6.66	2.51	6.74	2.52	6.90	2.53	7.55	2.50	7.98	2.48
	43	6.03	2.60	6.24	2.60	6.30	2.59	6.44	2.59	7.01	2.51	7.38	2.46
	46	5.59	2.68	5.75	2.65	5.81	2.64	5.91	2.62	6.38	2.49	6.69	2.40
2.5 + 6.0	22	7.66	1.52	7.89	1.50	7.97	1.49	8.12	1.47	8.94	1.46	9.48	1.45
	25	7.57	1.73	7.84	1.73	7.92	1.73	8.10	1.73	8.93	1.74	9.48	1.75
	29	7.39	1.98	7.67	2.00	7.77	2.01	7.96	2.02	8.78	2.05	9.32	2.08
	32	7.19	2.15	7.48	2.18	7.57	2.18	7.76	2.20	8.56	2.23	9.09	2.26
	35	6.94	2.30	7.22	2.32	7.31	2.33	7.50	2.35	8.26	2.37	8.76	2.38
	40	6.41	2.50	6.66	2.51	6.74	2.52	6.90	2.53	7.55	2.50	7.98	2.48
	43	6.03	2.60	6.24	2.60	6.30	2.59	6.44	2.59	7.01	2.51	7.38	2.46
	46	5.59	2.68	5.75	2.65	5.81	2.64	5.91	2.62	6.38	2.49	6.69	2.40
2.8 + 2.8	22	6.94	1.50	7.15	1.47	7.22	1.47	7.36	1.45	8.10	1.43	8.60	1.42
	25	6.87	1.70	7.11	1.70	7.18	1.70	7.34	1.70	8.09	1.71	8.60	1.72
	29	6.70	1.95	6.96	1.97	7.04	1.97	7.21	1.99	7.96	2.02	8.45	2.04
	32	6.52	2.11	6.78	2.14	6.87	2.15	7.04	2.16	7.76	2.20	8.24	2.22
	35	6.29	2.26	6.55	2.28	6.63	2.29	6.80	2.31	7.48	2.33	7.94	2.34
	40	5.81	2.46	6.04	2.47	6.11	2.48	6.26	2.48	6.84	2.46	7.24	2.44
	43	5.47	2.56	5.65	2.55	5.72	2.55	5.84	2.54	6.35	2.47	6.70	2.42
	46	5.07	2.64	5.22	2.61	5.26	2.60	5.36	2.57	5.78	2.44	6.06	2.36

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.8 + 3.2	22	7.04	1.50	7.26	1.48	7.33	1.47	7.47	1.46	8.22	1.44	8.72	1.43
	25	6.97	1.71	7.21	1.71	7.29	1.71	7.45	1.71	8.21	1.72	8.72	1.73
	29	6.80	1.96	7.06	1.98	7.15	1.98	7.32	2.00	8.07	2.03	8.58	2.05
	32	6.62	2.12	6.88	2.15	6.97	2.16	7.14	2.17	7.88	2.21	8.36	2.23
	35	6.39	2.27	6.64	2.29	6.73	2.30	6.90	2.32	7.59	2.34	8.06	2.35
	40	5.90	2.47	6.12	2.48	6.20	2.49	6.35	2.49	6.95	2.47	7.34	2.45
	43	5.55	2.57	5.74	2.56	5.80	2.56	5.93	2.56	6.45	2.48	6.79	2.43
	46	5.15	2.65	5.29	2.62	5.34	2.61	5.44	2.59	5.87	2.45	6.15	2.37
2.8 + 4.0	22	7.04	1.48	7.26	1.45	7.33	1.45	7.47	1.43	8.22	1.41	8.72	1.40
	25	6.97	1.68	7.21	1.68	7.29	1.68	7.45	1.68	8.21	1.69	8.72	1.70
	29	6.80	1.92	7.06	1.94	7.15	1.95	7.32	1.96	8.07	1.99	8.58	2.01
	32	6.62	2.09	6.88	2.11	6.97	2.12	7.14	2.14	7.88	2.17	8.36	2.19
	35	6.39	2.23	6.64	2.25	6.73	2.26	6.90	2.28	7.59	2.30	8.06	2.31
	40	5.90	2.43	6.12	2.44	6.20	2.44	6.35	2.45	6.95	2.42	7.34	2.40
	43	5.55	2.52	5.74	2.52	5.80	2.52	5.93	2.51	6.45	2.44	6.79	2.39
	46	5.15	2.60	5.29	2.57	5.34	2.56	5.44	2.54	5.87	2.41	6.15	2.32
2.8 + 5.0	22	7.66	1.52	7.89	1.50	7.97	1.49	8.12	1.47	8.94	1.46	9.48	1.45
	25	7.57	1.73	7.84	1.73	7.92	1.73	8.10	1.73	8.93	1.74	9.48	1.75
	29	7.39	1.98	7.67	2.00	7.77	2.01	7.96	2.02	8.78	2.05	9.32	2.08
	32	7.19	2.15	7.48	2.18	7.57	2.18	7.76	2.20	8.56	2.23	9.09	2.26
	35	6.94	2.30	7.22	2.32	7.31	2.33	7.50	2.35	8.26	2.37	8.76	2.38
	40	6.41	2.50	6.66	2.51	6.74	2.52	6.90	2.53	7.55	2.50	7.98	2.48
	43	6.03	2.60	6.24	2.60	6.30	2.59	6.44	2.59	7.01	2.51	7.38	2.46
	46	5.59	2.68	5.75	2.65	5.81	2.64	5.91	2.62	6.38	2.49	6.69	2.40
2.8 + 6.0	22	7.66	1.52	7.89	1.50	7.97	1.49	8.12	1.47	8.94	1.46	9.48	1.45
	25	7.57	1.73	7.84	1.73	7.92	1.73	8.10	1.73	8.93	1.74	9.48	1.75
	29	7.39	1.98	7.67	2.00	7.77	2.01	7.96	2.02	8.78	2.05	9.32	2.08
	32	7.19	2.15	7.48	2.18	7.57	2.18	7.76	2.20	8.56	2.23	9.09	2.26
	35	6.94	2.30	7.22	2.32	7.31	2.33	7.50	2.35	8.26	2.37	8.76	2.38
	40	6.41	2.50	6.66	2.51	6.74	2.52	6.90	2.53	7.55	2.50	7.98	2.48
	43	6.03	2.60	6.24	2.60	6.30	2.59	6.44	2.59	7.01	2.51	7.38	2.46
	46	5.59	2.68	5.75	2.65	5.81	2.64	5.91	2.62	6.38	2.49	6.69	2.40
3.2 + 3.2	22	7.14	1.48	7.36	1.45	7.43	1.45	7.58	1.43	8.34	1.41	8.85	1.40
	25	7.07	1.68	7.31	1.68	7.40	1.68	7.56	1.68	8.33	1.69	8.85	1.70
	29	6.90	1.92	7.16	1.94	7.25	1.95	7.43	1.96	8.19	1.99	8.70	2.01
	32	6.71	2.09	6.98	2.11	7.07	2.12	7.25	2.14	7.99	2.17	8.49	2.19
	35	6.48	2.23	6.74	2.25	6.83	2.26	7.00	2.28	7.70	2.30	8.17	2.31
	40	5.99	2.43	6.21	2.44	6.29	2.44	6.44	2.45	7.05	2.42	7.45	2.40
	43	5.63	2.52	5.82	2.52	5.88	2.52	6.01	2.51	6.54	2.44	6.89	2.39
	46	5.22	2.60	5.37	2.57	5.42	2.56	5.52	2.54	5.95	2.41	6.24	2.32

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
3.2 + 4.0	22	7.25	1.53	7.47	1.51	7.54	1.50	7.69	1.49	8.46	1.47	8.98	1.46
	25	7.17	1.75	7.42	1.75	7.50	1.75	7.67	1.74	8.45	1.76	8.98	1.77
	29	6.99	2.00	7.26	2.02	7.35	2.03	7.53	2.04	8.31	2.07	8.83	2.09
	32	6.81	2.17	7.08	2.19	7.17	2.20	7.35	2.22	8.10	2.25	8.61	2.28
	35	6.57	2.32	6.84	2.34	6.92	2.35	7.10	2.37	7.81	2.39	8.29	2.40
	40	6.07	2.52	6.30	2.54	6.38	2.54	6.53	2.55	7.15	2.52	7.56	2.50
	43	5.71	2.62	5.90	2.62	5.97	2.62	6.10	2.61	6.63	2.54	6.99	2.49
	46	5.30	2.70	5.45	2.67	5.50	2.66	5.60	2.64	6.04	2.51	6.33	2.42
3.2 + 5.0	22	7.76	1.53	7.99	1.50	8.07	1.50	8.23	1.48	9.06	1.46	9.61	1.45
	25	7.68	1.74	7.94	1.74	8.03	1.74	8.21	1.74	9.05	1.75	9.61	1.76
	29	7.49	1.99	7.77	2.01	7.87	2.02	8.06	2.03	8.89	2.06	9.45	2.09
	32	7.29	2.16	7.58	2.18	7.67	2.19	7.87	2.21	8.67	2.24	9.21	2.27
	35	7.03	2.31	7.32	2.33	7.41	2.34	7.60	2.36	8.37	2.38	8.88	2.39
	40	6.50	2.51	6.75	2.53	6.83	2.53	6.99	2.54	7.65	2.51	8.09	2.49
	43	6.11	2.61	6.32	2.61	6.39	2.60	6.53	2.60	7.10	2.52	7.48	2.47
	46	5.67	2.69	5.83	2.66	5.88	2.65	5.99	2.63	6.46	2.50	6.78	2.41
3.2 + 6.0	22	7.76	1.53	7.99	1.50	8.07	1.50	8.23	1.48	9.06	1.46	9.61	1.45
	25	7.68	1.74	7.94	1.74	8.03	1.74	8.21	1.74	9.05	1.75	9.61	1.76
	29	7.49	1.99	7.77	2.01	7.87	2.02	8.06	2.03	8.89	2.06	9.45	2.09
	32	7.29	2.16	7.58	2.18	7.67	2.19	7.87	2.21	8.67	2.24	9.21	2.27
	35	7.03	2.31	7.32	2.33	7.41	2.34	7.60	2.36	8.37	2.38	8.88	2.39
	40	6.50	2.51	6.75	2.53	6.83	2.53	6.99	2.54	7.65	2.51	8.09	2.49
	43	6.11	2.61	6.32	2.61	6.39	2.60	6.53	2.60	7.10	2.52	7.48	2.47
	46	5.67	2.69	5.83	2.66	5.88	2.65	5.99	2.63	6.46	2.50	6.78	2.41
4.0 + 4.0	22	7.25	1.51	7.47	1.49	7.54	1.48	7.69	1.46	8.46	1.45	8.98	1.44
	25	7.17	1.72	7.42	1.72	7.50	1.72	7.67	1.72	8.45	1.73	8.98	1.74
	29	6.99	1.97	7.26	1.99	7.35	1.99	7.53	2.00	8.31	2.04	8.83	2.06
	32	6.81	2.13	7.08	2.16	7.17	2.17	7.35	2.18	8.10	2.22	8.61	2.24
	35	6.57	2.28	6.84	2.30	6.92	2.31	7.10	2.33	7.81	2.35	8.29	2.36
	40	6.07	2.48	6.30	2.49	6.38	2.50	6.53	2.50	7.15	2.48	7.56	2.46
	43	5.71	2.58	5.90	2.57	5.97	2.57	6.10	2.57	6.63	2.49	6.99	2.44
	46	5.30	2.66	5.45	2.63	5.50	2.62	5.60	2.60	6.04	2.46	6.33	2.38
4.0 + 5.0	22	7.76	1.50	7.99	1.47	8.07	1.47	8.23	1.45	9.06	1.43	9.61	1.42
	25	7.68	1.70	7.94	1.70	8.03	1.70	8.21	1.70	9.05	1.71	9.61	1.72
	29	7.49	1.95	7.77	1.97	7.87	1.97	8.06	1.99	8.89	2.02	9.45	2.04
	32	7.29	2.11	7.58	2.14	7.67	2.15	7.87	2.16	8.67	2.20	9.21	2.22
	35	7.03	2.26	7.32	2.28	7.41	2.29	7.60	2.31	8.37	2.33	8.88	2.34
	40	6.50	2.46	6.75	2.47	6.83	2.48	6.99	2.48	7.65	2.46	8.09	2.44
	43	6.11	2.56	6.32	2.55	6.39	2.55	6.53	2.54	7.10	2.47	7.48	2.42
	46	5.67	2.64	5.83	2.61	5.88	2.60	5.99	2.57	6.46	2.44	6.78	2.36

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
4.0 + 6.0	22	7.76	1.50	7.99	1.47	8.07	1.47	8.23	1.45	9.06	1.43	9.61	1.42
	25	7.68	1.70	7.94	1.70	8.03	1.70	8.21	1.70	9.05	1.71	9.61	1.72
	29	7.49	1.95	7.77	1.97	7.87	1.97	8.06	1.99	8.89	2.02	9.45	2.04
	32	7.29	2.11	7.58	2.14	7.67	2.15	7.87	2.16	8.67	2.20	9.21	2.22
	35	7.03	2.26	7.32	2.28	7.41	2.29	7.60	2.31	8.37	2.33	8.88	2.34
	40	6.50	2.46	6.75	2.47	6.83	2.48	6.99	2.48	7.65	2.46	8.09	2.44
	43	6.11	2.56	6.32	2.55	6.39	2.55	6.53	2.54	7.10	2.47	7.48	2.42
	46	5.67	2.64	5.83	2.61	5.88	2.60	5.99	2.57	6.46	2.44	6.78	2.36
5.0 + 5.0	22	8.27	1.53	8.52	1.51	8.60	1.50	8.77	1.49	9.65	1.47	10.24	1.46
	25	8.18	1.75	8.46	1.75	8.56	1.75	8.75	1.74	9.64	1.76	10.24	1.77
	29	7.98	2.00	8.29	2.02	8.39	2.03	8.59	2.04	9.48	2.07	10.07	2.09
	32	7.77	2.17	8.08	2.19	8.18	2.20	8.39	2.22	9.25	2.25	9.82	2.28
	35	7.50	2.32	7.80	2.34	7.90	2.35	8.10	2.37	8.92	2.39	9.46	2.40
	40	6.93	2.52	7.19	2.54	7.28	2.54	7.45	2.55	8.15	2.52	8.62	2.50
	43	6.51	2.62	6.73	2.62	6.81	2.62	6.96	2.61	7.57	2.54	7.98	2.49
	46	6.04	2.70	6.21	2.67	6.27	2.66	6.39	2.64	6.89	2.51	7.22	2.42
5.0 + 6.0	22	8.27	1.53	8.52	1.51	8.60	1.50	8.77	1.49	9.65	1.47	10.24	1.46
	25	8.18	1.75	8.46	1.75	8.56	1.75	8.75	1.74	9.64	1.76	10.24	1.77
	29	7.98	2.00	8.29	2.02	8.39	2.03	8.59	2.04	9.48	2.07	10.07	2.09
	32	7.77	2.17	8.08	2.19	8.18	2.20	8.39	2.22	9.25	2.25	9.82	2.28
	35	7.50	2.32	7.80	2.34	7.90	2.35	8.10	2.37	8.92	2.39	9.46	2.40
	40	6.93	2.52	7.19	2.54	7.28	2.54	7.45	2.55	8.15	2.52	8.62	2.50
	43	6.51	2.62	6.73	2.62	6.81	2.62	6.96	2.61	7.57	2.54	7.98	2.49
	46	6.04	2.70	6.21	2.67	6.27	2.66	6.39	2.64	6.89	2.51	7.22	2.42
1.6 + 1.6 + 1.6	22	8.17	1.62	8.41	1.59	8.50	1.59	8.66	1.57	9.53	1.55	10.11	1.54
	25	8.08	1.84	8.36	1.84	8.45	1.84	8.64	1.84	9.52	1.85	10.11	1.86
	29	7.88	2.11	8.18	2.13	8.28	2.14	8.49	2.15	9.36	2.19	9.95	2.21
	32	7.67	2.29	7.98	2.31	8.08	2.32	8.28	2.34	9.13	2.38	9.70	2.40
	35	7.40	2.44	7.70	2.47	7.80	2.48	8.00	2.50	8.81	2.52	9.34	2.54
	40	6.84	2.66	7.10	2.68	7.19	2.68	7.36	2.69	8.05	2.66	8.51	2.64
	43	6.43	2.77	6.65	2.76	6.72	2.76	6.87	2.75	7.47	2.67	7.88	2.62
	46	5.97	2.85	6.14	2.82	6.19	2.81	6.31	2.79	6.80	2.64	7.13	2.55
1.6 + 1.6 + 2.0	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 1.6 + 2.5	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51
1.6 + 1.6 + 2.8	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51
1.6 + 1.6 + 3.2	22	8.17	1.53	8.41	1.51	8.50	1.50	8.66	1.49	9.53	1.47	10.11	1.46
	25	8.08	1.75	8.36	1.75	8.45	1.75	8.64	1.74	9.52	1.76	10.11	1.77
	29	7.88	2.00	8.18	2.02	8.28	2.03	8.49	2.04	9.36	2.07	9.95	2.09
	32	7.67	2.17	7.98	2.19	8.08	2.20	8.28	2.22	9.13	2.25	9.70	2.28
	35	7.40	2.32	7.70	2.34	7.80	2.35	8.00	2.37	8.81	2.39	9.34	2.40
	40	6.84	2.52	7.10	2.54	7.19	2.54	7.36	2.55	8.05	2.52	8.51	2.50
	43	6.43	2.62	6.65	2.62	6.72	2.62	6.87	2.61	7.47	2.54	7.88	2.49
	46	5.97	2.70	6.14	2.67	6.19	2.66	6.31	2.64	6.80	2.51	7.13	2.42
1.6 + 1.6 + 4.0	22	8.27	1.59	8.52	1.57	8.60	1.56	8.77	1.54	9.65	1.53	10.24	1.52
	25	8.18	1.81	8.46	1.81	8.56	1.81	8.75	1.81	9.64	1.83	10.24	1.83
	29	7.98	2.08	8.29	2.10	8.39	2.10	8.59	2.12	9.48	2.15	10.07	2.17
	32	7.77	2.25	8.08	2.28	8.18	2.29	8.39	2.30	9.25	2.34	9.82	2.36
	35	7.50	2.41	7.80	2.43	7.90	2.44	8.10	2.46	8.92	2.48	9.46	2.50
	40	6.93	2.62	7.19	2.63	7.28	2.64	7.45	2.64	8.15	2.61	8.62	2.59
	43	6.51	2.72	6.73	2.72	6.81	2.71	6.96	2.71	7.57	2.63	7.98	2.58
	46	6.04	2.81	6.21	2.77	6.27	2.76	6.39	2.74	6.89	2.60	7.22	2.51
1.6 + 1.6 + 5.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 1.6 + 6.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 2.0 + 2.0	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51
1.6 + 2.0 + 2.5	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51
1.6 + 2.0 + 2.8	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51
1.6 + 2.0 + 3.2	22	8.17	1.53	8.41	1.51	8.50	1.50	8.66	1.49	9.53	1.47	10.11	1.46
	25	8.08	1.75	8.36	1.75	8.45	1.75	8.64	1.74	9.52	1.76	10.11	1.77
	29	7.88	2.00	8.18	2.02	8.28	2.03	8.49	2.04	9.36	2.07	9.95	2.09
	32	7.67	2.17	7.98	2.19	8.08	2.20	8.28	2.22	9.13	2.25	9.70	2.28
	35	7.40	2.32	7.70	2.34	7.80	2.35	8.00	2.37	8.81	2.39	9.34	2.40
	40	6.84	2.52	7.10	2.54	7.19	2.54	7.36	2.55	8.05	2.52	8.51	2.50
	43	6.43	2.62	6.65	2.62	6.72	2.62	6.87	2.61	7.47	2.54	7.88	2.49
	46	5.97	2.70	6.14	2.67	6.19	2.66	6.31	2.64	6.80	2.51	7.13	2.42

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.0 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
1.6 + 2.0 + 5.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 2.0 + 6.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 2.5 + 2.5	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51
1.6 + 2.5 + 2.8	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.5 + 3.2	22	8.17	1.53	8.41	1.51	8.50	1.50	8.66	1.49	9.53	1.47	10.11	1.46
	25	8.08	1.75	8.36	1.75	8.45	1.75	8.64	1.74	9.52	1.76	10.11	1.77
	29	7.88	2.00	8.18	2.02	8.28	2.03	8.49	2.04	9.36	2.07	9.95	2.09
	32	7.67	2.17	7.98	2.19	8.08	2.20	8.28	2.22	9.13	2.25	9.70	2.28
	35	7.40	2.32	7.70	2.34	7.80	2.35	8.00	2.37	8.81	2.39	9.34	2.40
	40	6.84	2.52	7.10	2.54	7.19	2.54	7.36	2.55	8.05	2.52	8.51	2.50
	43	6.43	2.62	6.65	2.62	6.72	2.62	6.87	2.61	7.47	2.54	7.88	2.49
	46	5.97	2.70	6.14	2.67	6.19	2.66	6.31	2.64	6.80	2.51	7.13	2.42
1.6 + 2.5 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
1.6 + 2.5 + 5.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 2.5 + 6.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 2.8 + 2.8	22	8.17	1.59	8.41	1.57	8.50	1.56	8.66	1.54	9.53	1.53	10.11	1.52
	25	8.08	1.81	8.36	1.81	8.45	1.81	8.64	1.81	9.52	1.83	10.11	1.83
	29	7.88	2.08	8.18	2.10	8.28	2.10	8.49	2.12	9.36	2.15	9.95	2.17
	32	7.67	2.25	7.98	2.28	8.08	2.29	8.28	2.30	9.13	2.34	9.70	2.36
	35	7.40	2.41	7.70	2.43	7.80	2.44	8.00	2.46	8.81	2.48	9.34	2.50
	40	6.84	2.62	7.10	2.63	7.19	2.64	7.36	2.64	8.05	2.61	8.51	2.59
	43	6.43	2.72	6.65	2.72	6.72	2.71	6.87	2.71	7.47	2.63	7.88	2.58
	46	5.97	2.81	6.14	2.77	6.19	2.76	6.31	2.74	6.80	2.60	7.13	2.51

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.8 + 3.2	22	8.17	1.53	8.41	1.51	8.50	1.50	8.66	1.49	9.53	1.47	10.11	1.46
	25	8.08	1.75	8.36	1.75	8.45	1.75	8.64	1.74	9.52	1.76	10.11	1.77
	29	7.88	2.00	8.18	2.02	8.28	2.03	8.49	2.04	9.36	2.07	9.95	2.09
	32	7.67	2.17	7.98	2.19	8.08	2.20	8.28	2.22	9.13	2.25	9.70	2.28
	35	7.40	2.32	7.70	2.34	7.80	2.35	8.00	2.37	8.81	2.39	9.34	2.40
	40	6.84	2.52	7.10	2.54	7.19	2.54	7.36	2.55	8.05	2.52	8.51	2.50
	43	6.43	2.62	6.65	2.62	6.72	2.62	6.87	2.61	7.47	2.54	7.88	2.49
	46	5.97	2.70	6.14	2.67	6.19	2.66	6.31	2.64	6.80	2.51	7.13	2.42
1.6 + 2.8 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
1.6 + 2.8 + 5.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 2.8 + 6.0	22	8.68	1.57	8.94	1.54	9.03	1.53	9.20	1.52	10.13	1.50	10.75	1.49
	25	8.58	1.78	8.88	1.78	8.98	1.78	9.18	1.78	10.12	1.80	10.74	1.80
	29	8.37	2.04	8.70	2.06	8.80	2.07	9.02	2.08	9.95	2.12	10.57	2.14
	32	8.15	2.21	8.47	2.24	8.58	2.25	8.80	2.27	9.70	2.30	10.30	2.32
	35	7.87	2.37	8.18	2.39	8.29	2.40	8.50	2.42	9.36	2.44	9.93	2.46
	40	7.27	2.58	7.54	2.59	7.64	2.59	7.82	2.60	8.56	2.57	9.05	2.55
	43	6.83	2.68	7.07	2.67	7.15	2.67	7.30	2.67	7.94	2.59	8.37	2.54
	46	6.34	2.76	6.52	2.73	6.58	2.72	6.70	2.70	7.23	2.56	7.58	2.47
1.6 + 3.2 + 3.2	22	8.27	1.53	8.52	1.51	8.60	1.50	8.77	1.49	9.65	1.47	10.24	1.46
	25	8.18	1.75	8.46	1.75	8.56	1.75	8.75	1.74	9.64	1.76	10.24	1.77
	29	7.98	2.00	8.29	2.02	8.39	2.03	8.59	2.04	9.48	2.07	10.07	2.09
	32	7.77	2.17	8.08	2.19	8.18	2.20	8.39	2.22	9.25	2.25	9.82	2.28
	35	7.50	2.32	7.80	2.34	7.90	2.35	8.10	2.37	8.92	2.39	9.46	2.40
	40	6.93	2.52	7.19	2.54	7.28	2.54	7.45	2.55	8.15	2.52	8.62	2.50
	43	6.51	2.62	6.73	2.62	6.81	2.62	6.96	2.61	7.57	2.54	7.98	2.49
	46	6.04	2.70	6.21	2.67	6.27	2.66	6.39	2.64	6.89	2.51	7.22	2.42

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 3.2 + 4.0	22	8.37	1.57	8.62	1.54	8.71	1.53	8.88	1.52	9.77	1.50	10.37	1.49
	25	8.28	1.78	8.57	1.78	8.66	1.78	8.85	1.78	9.76	1.80	10.37	1.80
	29	8.08	2.04	8.39	2.06	8.49	2.07	8.70	2.08	9.60	2.12	10.19	2.14
	32	7.86	2.21	8.18	2.24	8.28	2.25	8.49	2.27	9.36	2.30	9.94	2.32
	35	7.59	2.37	7.89	2.39	8.00	2.40	8.20	2.42	9.03	2.44	9.58	2.46
	40	7.01	2.58	7.28	2.59	7.37	2.59	7.54	2.60	8.25	2.57	8.73	2.55
	43	6.59	2.68	6.82	2.67	6.89	2.67	7.04	2.67	7.66	2.59	8.07	2.54
	46	6.12	2.76	6.29	2.73	6.35	2.72	6.46	2.70	6.97	2.56	7.31	2.47
1.6 + 3.2 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
1.6 + 3.2 + 6.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
1.6 + 4.0 + 4.0	22	8.37	1.57	8.62	1.54	8.71	1.53	8.88	1.52	9.77	1.50	10.37	1.49
	25	8.28	1.78	8.57	1.78	8.66	1.78	8.85	1.78	9.76	1.80	10.37	1.80
	29	8.08	2.04	8.39	2.06	8.49	2.07	8.70	2.08	9.60	2.12	10.19	2.14
	32	7.86	2.21	8.18	2.24	8.28	2.25	8.49	2.27	9.36	2.30	9.94	2.32
	35	7.59	2.37	7.89	2.39	8.00	2.40	8.20	2.42	9.03	2.44	9.58	2.46
	40	7.01	2.58	7.28	2.59	7.37	2.59	7.54	2.60	8.25	2.57	8.73	2.55
	43	6.59	2.68	6.82	2.67	6.89	2.67	7.04	2.67	7.66	2.59	8.07	2.54
	46	6.12	2.76	6.29	2.73	6.35	2.72	6.46	2.70	6.97	2.56	7.31	2.47
1.6 + 4.0 + 5.0	22	8.68	1.51	8.94	1.49	9.03	1.48	9.20	1.46	10.13	1.45	10.75	1.44
	25	8.58	1.72	8.88	1.72	8.98	1.72	9.18	1.72	10.12	1.73	10.74	1.74
	29	8.37	1.97	8.70	1.99	8.80	1.99	9.02	2.00	9.95	2.04	10.57	2.06
	32	8.15	2.13	8.47	2.16	8.58	2.17	8.80	2.18	9.70	2.22	10.30	2.24
	35	7.87	2.28	8.18	2.30	8.29	2.31	8.50	2.33	9.36	2.35	9.93	2.36
	40	7.27	2.48	7.54	2.49	7.64	2.50	7.82	2.50	8.56	2.48	9.05	2.46
	43	6.83	2.58	7.07	2.57	7.15	2.57	7.30	2.57	7.94	2.49	8.37	2.44
	46	6.34	2.66	6.52	2.63	6.58	2.62	6.70	2.60	7.23	2.46	7.58	2.38

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.0 + 2.0	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.0 + 2.0 + 2.5	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.0 + 2.0 + 2.8	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.0 + 2.0 + 3.2	22	8.17	1.50	8.41	1.48	8.50	1.47	8.66	1.46	9.53	1.44	10.11	1.43
	25	8.08	1.71	8.36	1.71	8.45	1.71	8.64	1.71	9.52	1.72	10.11	1.73
	29	7.88	1.96	8.18	1.98	8.28	1.98	8.49	2.00	9.36	2.03	9.95	2.05
	32	7.67	2.12	7.98	2.15	8.08	2.16	8.28	2.17	9.13	2.21	9.70	2.23
	35	7.40	2.27	7.70	2.29	7.80	2.30	8.00	2.32	8.81	2.34	9.34	2.35
	40	6.84	2.47	7.10	2.48	7.19	2.49	7.36	2.49	8.05	2.47	8.51	2.45
	43	6.43	2.57	6.65	2.56	6.72	2.56	6.87	2.56	7.47	2.48	7.88	2.43
	46	5.97	2.65	6.14	2.62	6.19	2.61	6.31	2.59	6.80	2.45	7.13	2.37
2.0 + 2.0 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.0 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.0 + 2.0 + 6.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.0 + 2.5 + 2.5	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.0 + 2.5 + 2.8	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.0 + 2.5 + 3.2	22	8.17	1.50	8.41	1.48	8.50	1.47	8.66	1.46	9.53	1.44	10.11	1.43
	25	8.08	1.71	8.36	1.71	8.45	1.71	8.64	1.71	9.52	1.72	10.11	1.73
	29	7.88	1.96	8.18	1.98	8.28	1.98	8.49	2.00	9.36	2.03	9.95	2.05
	32	7.67	2.12	7.98	2.15	8.08	2.16	8.28	2.17	9.13	2.21	9.70	2.23
	35	7.40	2.27	7.70	2.29	7.80	2.30	8.00	2.32	8.81	2.34	9.34	2.35
	40	6.84	2.47	7.10	2.48	7.19	2.49	7.36	2.49	8.05	2.47	8.51	2.45
	43	6.43	2.57	6.65	2.56	6.72	2.56	6.87	2.56	7.47	2.48	7.88	2.43
	46	5.97	2.65	6.14	2.62	6.19	2.61	6.31	2.59	6.80	2.45	7.13	2.37

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.5 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
2.0 + 2.5 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.0 + 2.5 + 6.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.0 + 2.8 + 2.8	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.0 + 2.8 + 3.2	22	8.17	1.50	8.41	1.48	8.50	1.47	8.66	1.46	9.53	1.44	10.11	1.43
	25	8.08	1.71	8.36	1.71	8.45	1.71	8.64	1.71	9.52	1.72	10.11	1.73
	29	7.88	1.96	8.18	1.98	8.28	1.98	8.49	2.00	9.36	2.03	9.95	2.05
	32	7.67	2.12	7.98	2.15	8.08	2.16	8.28	2.17	9.13	2.21	9.70	2.23
	35	7.40	2.27	7.70	2.29	7.80	2.30	8.00	2.32	8.81	2.34	9.34	2.35
	40	6.84	2.47	7.10	2.48	7.19	2.49	7.36	2.49	8.05	2.47	8.51	2.45
	43	6.43	2.57	6.65	2.56	6.72	2.56	6.87	2.56	7.47	2.48	7.88	2.43
	46	5.97	2.65	6.14	2.62	6.19	2.61	6.31	2.59	6.80	2.45	7.13	2.37

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.8 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
2.0 + 2.8 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.0 + 2.8 + 6.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.0 + 3.2 + 3.2	22	8.27	1.51	8.52	1.49	8.60	1.48	8.77	1.46	9.65	1.45	10.24	1.44
	25	8.18	1.72	8.46	1.72	8.56	1.72	8.75	1.72	9.64	1.73	10.24	1.74
	29	7.98	1.97	8.29	1.99	8.39	1.99	8.59	2.00	9.48	2.04	10.07	2.06
	32	7.77	2.13	8.08	2.16	8.18	2.17	8.39	2.18	9.25	2.22	9.82	2.24
	35	7.50	2.28	7.80	2.30	7.90	2.31	8.10	2.33	8.92	2.35	9.46	2.36
	40	6.93	2.48	7.19	2.49	7.28	2.50	7.45	2.50	8.15	2.48	8.62	2.46
	43	6.51	2.58	6.73	2.57	6.81	2.57	6.96	2.57	7.57	2.49	7.98	2.44
	46	6.04	2.66	6.21	2.63	6.27	2.62	6.39	2.60	6.89	2.46	7.22	2.38
2.0 + 3.2 + 4.0	22	8.37	1.57	8.62	1.54	8.71	1.53	8.88	1.52	9.77	1.50	10.37	1.49
	25	8.28	1.78	8.57	1.78	8.66	1.78	8.85	1.78	9.76	1.80	10.37	1.80
	29	8.08	2.04	8.39	2.06	8.49	2.07	8.70	2.08	9.60	2.12	10.19	2.14
	32	7.86	2.21	8.18	2.24	8.28	2.25	8.49	2.27	9.36	2.30	9.94	2.32
	35	7.59	2.37	7.89	2.39	8.00	2.40	8.20	2.42	9.03	2.44	9.58	2.46
	40	7.01	2.58	7.28	2.59	7.37	2.59	7.54	2.60	8.25	2.57	8.73	2.55
	43	6.59	2.68	6.82	2.67	6.89	2.67	7.04	2.67	7.66	2.59	8.07	2.54
	46	6.12	2.76	6.29	2.73	6.35	2.72	6.46	2.70	6.97	2.56	7.31	2.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 3.2 + 5.0	22	8.68	1.51	8.94	1.49	9.03	1.48	9.20	1.46	10.13	1.45	10.75	1.44
	25	8.58	1.72	8.88	1.72	8.98	1.72	9.18	1.72	10.12	1.73	10.74	1.74
	29	8.37	1.97	8.70	1.99	8.80	1.99	9.02	2.00	9.95	2.04	10.57	2.06
	32	8.15	2.13	8.47	2.16	8.58	2.17	8.80	2.18	9.70	2.22	10.30	2.24
	35	7.87	2.28	8.18	2.30	8.29	2.31	8.50	2.33	9.36	2.35	9.93	2.36
	40	7.27	2.48	7.54	2.49	7.64	2.50	7.82	2.50	8.56	2.48	9.05	2.46
	43	6.83	2.58	7.07	2.57	7.15	2.57	7.30	2.57	7.94	2.49	8.37	2.44
	46	6.34	2.66	6.52	2.63	6.58	2.62	6.70	2.60	7.23	2.46	7.58	2.38
2.0 + 4.0 + 4.0	22	8.37	1.53	8.62	1.51	8.71	1.50	8.88	1.49	9.77	1.47	10.37	1.46
	25	8.28	1.75	8.57	1.75	8.66	1.75	8.85	1.74	9.76	1.76	10.37	1.77
	29	8.08	2.00	8.39	2.02	8.49	2.03	8.70	2.04	9.60	2.07	10.19	2.09
	32	7.86	2.17	8.18	2.19	8.28	2.20	8.49	2.22	9.36	2.25	9.94	2.28
	35	7.59	2.32	7.89	2.34	8.00	2.35	8.20	2.37	9.03	2.39	9.58	2.40
	40	7.01	2.52	7.28	2.54	7.37	2.54	7.54	2.55	8.25	2.52	8.73	2.50
	43	6.59	2.62	6.82	2.62	6.89	2.62	7.04	2.61	7.66	2.54	8.07	2.49
	46	6.12	2.70	6.29	2.67	6.35	2.66	6.46	2.64	6.97	2.51	7.31	2.42
2.0 + 4.0 + 5.0	22	8.68	1.51	8.94	1.49	9.03	1.48	9.20	1.46	10.13	1.45	10.75	1.44
	25	8.58	1.72	8.88	1.72	8.98	1.72	9.18	1.72	10.12	1.73	10.74	1.74
	29	8.37	1.97	8.70	1.99	8.80	1.99	9.02	2.00	9.95	2.04	10.57	2.06
	32	8.15	2.13	8.47	2.16	8.58	2.17	8.80	2.18	9.70	2.22	10.30	2.24
	35	7.87	2.28	8.18	2.30	8.29	2.31	8.50	2.33	9.36	2.35	9.93	2.36
	40	7.27	2.48	7.54	2.49	7.64	2.50	7.82	2.50	8.56	2.48	9.05	2.46
	43	6.83	2.58	7.07	2.57	7.15	2.57	7.30	2.57	7.94	2.49	8.37	2.44
	46	6.34	2.66	6.52	2.63	6.58	2.62	6.70	2.60	7.23	2.46	7.58	2.38
2.5 + 2.5 + 2.5	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.5 + 2.5 + 2.8	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.5 + 3.2	22	8.17	1.50	8.41	1.48	8.50	1.47	8.66	1.46	9.53	1.44	10.11	1.43
	25	8.08	1.71	8.36	1.71	8.45	1.71	8.64	1.71	9.52	1.72	10.11	1.73
	29	7.88	1.96	8.18	1.98	8.28	1.98	8.49	2.00	9.36	2.03	9.95	2.05
	32	7.67	2.12	7.98	2.15	8.08	2.16	8.28	2.17	9.13	2.21	9.70	2.23
	35	7.40	2.27	7.70	2.29	7.80	2.30	8.00	2.32	8.81	2.34	9.34	2.35
	40	6.84	2.47	7.10	2.48	7.19	2.49	7.36	2.49	8.05	2.47	8.51	2.45
	43	6.43	2.57	6.65	2.56	6.72	2.56	6.87	2.56	7.47	2.48	7.88	2.43
	46	5.97	2.65	6.14	2.62	6.19	2.61	6.31	2.59	6.80	2.45	7.13	2.37
2.5 + 2.5 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
2.5 + 2.5 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.5 + 2.5 + 6.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.5 + 2.8 + 2.8	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.8 + 3.2	22	8.17	1.50	8.41	1.48	8.50	1.47	8.66	1.46	9.53	1.44	10.11	1.43
	25	8.08	1.71	8.36	1.71	8.45	1.71	8.64	1.71	9.52	1.72	10.11	1.73
	29	7.88	1.96	8.18	1.98	8.28	1.98	8.49	2.00	9.36	2.03	9.95	2.05
	32	7.67	2.12	7.98	2.15	8.08	2.16	8.28	2.17	9.13	2.21	9.70	2.23
	35	7.40	2.27	7.70	2.29	7.80	2.30	8.00	2.32	8.81	2.34	9.34	2.35
	40	6.84	2.47	7.10	2.48	7.19	2.49	7.36	2.49	8.05	2.47	8.51	2.45
	43	6.43	2.57	6.65	2.56	6.72	2.56	6.87	2.56	7.47	2.48	7.88	2.43
	46	5.97	2.65	6.14	2.62	6.19	2.61	6.31	2.59	6.80	2.45	7.13	2.37
2.5 + 2.8 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47
2.5 + 2.8 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.5 + 3.2 + 3.2	22	8.27	1.51	8.52	1.49	8.60	1.48	8.77	1.46	9.65	1.45	10.24	1.44
	25	8.18	1.72	8.46	1.72	8.56	1.72	8.75	1.72	9.64	1.73	10.24	1.74
	29	7.98	1.97	8.29	1.99	8.39	1.99	8.59	2.00	9.48	2.04	10.07	2.06
	32	7.77	2.13	8.08	2.16	8.18	2.17	8.39	2.18	9.25	2.22	9.82	2.24
	35	7.50	2.28	7.80	2.30	7.90	2.31	8.10	2.33	8.92	2.35	9.46	2.36
	40	6.93	2.48	7.19	2.49	7.28	2.50	7.45	2.50	8.15	2.48	8.62	2.46
	43	6.51	2.58	6.73	2.57	6.81	2.57	6.96	2.57	7.57	2.49	7.98	2.44
	46	6.04	2.66	6.21	2.63	6.27	2.62	6.39	2.60	6.89	2.46	7.22	2.38
2.5 + 3.2 + 4.0	22	8.37	1.57	8.62	1.54	8.71	1.53	8.88	1.52	9.77	1.50	10.37	1.49
	25	8.28	1.78	8.57	1.78	8.66	1.78	8.85	1.78	9.76	1.80	10.37	1.80
	29	8.08	2.04	8.39	2.06	8.49	2.07	8.70	2.08	9.60	2.12	10.19	2.14
	32	7.86	2.21	8.18	2.24	8.28	2.25	8.49	2.27	9.36	2.30	9.94	2.32
	35	7.59	2.37	7.89	2.39	8.00	2.40	8.20	2.42	9.03	2.44	9.58	2.46
	40	7.01	2.58	7.28	2.59	7.37	2.59	7.54	2.60	8.25	2.57	8.73	2.55
	43	6.59	2.68	6.82	2.67	6.89	2.67	7.04	2.67	7.66	2.59	8.07	2.54
	46	6.12	2.76	6.29	2.73	6.35	2.72	6.46	2.70	6.97	2.56	7.31	2.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 3.2 + 5.0	22	8.68	1.51	8.94	1.49	9.03	1.48	9.20	1.46	10.13	1.45	10.75	1.44
	25	8.58	1.72	8.88	1.72	8.98	1.72	9.18	1.72	10.12	1.73	10.74	1.74
	29	8.37	1.97	8.70	1.99	8.80	1.99	9.02	2.00	9.95	2.04	10.57	2.06
	32	8.15	2.13	8.47	2.16	8.58	2.17	8.80	2.18	9.70	2.22	10.30	2.24
	35	7.87	2.28	8.18	2.30	8.29	2.31	8.50	2.33	9.36	2.35	9.93	2.36
	40	7.27	2.48	7.54	2.49	7.64	2.50	7.82	2.50	8.56	2.48	9.05	2.46
	43	6.83	2.58	7.07	2.57	7.15	2.57	7.30	2.57	7.94	2.49	8.37	2.44
	46	6.34	2.66	6.52	2.63	6.58	2.62	6.70	2.60	7.23	2.46	7.58	2.38
2.5 + 4.0 + 4.0	22	8.37	1.53	8.62	1.51	8.71	1.50	8.88	1.49	9.77	1.47	10.37	1.46
	25	8.28	1.75	8.57	1.75	8.66	1.75	8.85	1.74	9.76	1.76	10.37	1.77
	29	8.08	2.00	8.39	2.02	8.49	2.03	8.70	2.04	9.60	2.07	10.19	2.09
	32	7.86	2.17	8.18	2.19	8.28	2.20	8.49	2.22	9.36	2.25	9.94	2.28
	35	7.59	2.32	7.89	2.34	8.00	2.35	8.20	2.37	9.03	2.39	9.58	2.40
	40	7.01	2.52	7.28	2.54	7.37	2.54	7.54	2.55	8.25	2.52	8.73	2.50
	43	6.59	2.62	6.82	2.62	6.89	2.62	7.04	2.61	7.66	2.54	8.07	2.49
	46	6.12	2.70	6.29	2.67	6.35	2.66	6.46	2.64	6.97	2.51	7.31	2.42
2.8 + 2.8 + 2.8	22	8.17	1.56	8.41	1.54	8.50	1.53	8.66	1.51	9.53	1.50	10.11	1.48
	25	8.08	1.78	8.36	1.78	8.45	1.77	8.64	1.77	9.52	1.79	10.11	1.80
	29	7.88	2.03	8.18	2.05	8.28	2.06	8.49	2.07	9.36	2.11	9.95	2.13
	32	7.67	2.20	7.98	2.23	8.08	2.24	8.28	2.26	9.13	2.29	9.70	2.31
	35	7.40	2.36	7.70	2.38	7.80	2.39	8.00	2.41	8.81	2.43	9.34	2.45
	40	6.84	2.57	7.10	2.58	7.19	2.58	7.36	2.59	8.05	2.56	8.51	2.54
	43	6.43	2.67	6.65	2.66	6.72	2.66	6.87	2.65	7.47	2.58	7.88	2.53
	46	5.97	2.75	6.14	2.72	6.19	2.71	6.31	2.69	6.80	2.55	7.13	2.46
2.8 + 2.8 + 3.2	22	8.17	1.50	8.41	1.48	8.50	1.47	8.66	1.46	9.53	1.44	10.11	1.43
	25	8.08	1.71	8.36	1.71	8.45	1.71	8.64	1.71	9.52	1.72	10.11	1.73
	29	7.88	1.96	8.18	1.98	8.28	1.98	8.49	2.00	9.36	2.03	9.95	2.05
	32	7.67	2.12	7.98	2.15	8.08	2.16	8.28	2.17	9.13	2.21	9.70	2.23
	35	7.40	2.27	7.70	2.29	7.80	2.30	8.00	2.32	8.81	2.34	9.34	2.35
	40	6.84	2.47	7.10	2.48	7.19	2.49	7.36	2.49	8.05	2.47	8.51	2.45
	43	6.43	2.57	6.65	2.56	6.72	2.56	6.87	2.56	7.47	2.48	7.88	2.43
	46	5.97	2.65	6.14	2.62	6.19	2.61	6.31	2.59	6.80	2.45	7.13	2.37
2.8 + 2.8 + 4.0	22	8.27	1.57	8.52	1.54	8.60	1.53	8.77	1.52	9.65	1.50	10.24	1.49
	25	8.18	1.78	8.46	1.78	8.56	1.78	8.75	1.78	9.64	1.80	10.24	1.80
	29	7.98	2.04	8.29	2.06	8.39	2.07	8.59	2.08	9.48	2.12	10.07	2.14
	32	7.77	2.21	8.08	2.24	8.18	2.25	8.39	2.27	9.25	2.30	9.82	2.32
	35	7.50	2.37	7.80	2.39	7.90	2.40	8.10	2.42	8.92	2.44	9.46	2.46
	40	6.93	2.58	7.19	2.59	7.28	2.59	7.45	2.60	8.15	2.57	8.62	2.55
	43	6.51	2.68	6.73	2.67	6.81	2.67	6.96	2.67	7.57	2.59	7.98	2.54
	46	6.04	2.76	6.21	2.73	6.27	2.72	6.39	2.70	6.89	2.56	7.22	2.47

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.8 + 2.8 + 5.0	22	8.68	1.54	8.94	1.52	9.03	1.51	9.20	1.49	10.13	1.48	10.75	1.47
	25	8.58	1.75	8.88	1.75	8.98	1.75	9.18	1.75	10.12	1.77	10.74	1.77
	29	8.37	2.01	8.70	2.03	8.80	2.03	9.02	2.05	9.95	2.08	10.57	2.10
	32	8.15	2.18	8.47	2.20	8.58	2.21	8.80	2.23	9.70	2.26	10.30	2.29
	35	7.87	2.33	8.18	2.35	8.29	2.36	8.50	2.38	9.36	2.40	9.93	2.42
	40	7.27	2.54	7.54	2.55	7.64	2.55	7.82	2.56	8.56	2.53	9.05	2.51
	43	6.83	2.64	7.07	2.63	7.15	2.63	7.30	2.62	7.94	2.55	8.37	2.50
	46	6.34	2.72	6.52	2.68	6.58	2.67	6.70	2.65	7.23	2.52	7.58	2.43
2.8 + 3.2 + 3.2	22	8.27	1.51	8.52	1.49	8.60	1.48	8.77	1.46	9.65	1.45	10.24	1.44
	25	8.18	1.72	8.46	1.72	8.56	1.72	8.75	1.72	9.64	1.73	10.24	1.74
	29	7.98	1.97	8.29	1.99	8.39	1.99	8.59	2.00	9.48	2.04	10.07	2.06
	32	7.77	2.13	8.08	2.16	8.18	2.17	8.39	2.18	9.25	2.22	9.82	2.24
	35	7.50	2.28	7.80	2.30	7.90	2.31	8.10	2.33	8.92	2.35	9.46	2.36
	40	6.93	2.48	7.19	2.49	7.28	2.50	7.45	2.50	8.15	2.48	8.62	2.46
	43	6.51	2.58	6.73	2.57	6.81	2.57	6.96	2.57	7.57	2.49	7.98	2.44
	46	6.04	2.66	6.21	2.63	6.27	2.62	6.39	2.60	6.89	2.46	7.22	2.38
2.8 + 3.2 + 4.0	22	8.37	1.57	8.62	1.54	8.71	1.53	8.88	1.52	9.77	1.50	10.37	1.49
	25	8.28	1.78	8.57	1.78	8.66	1.78	8.85	1.78	9.76	1.80	10.37	1.80
	29	8.08	2.04	8.39	2.06	8.49	2.07	8.70	2.08	9.60	2.12	10.19	2.14
	32	7.86	2.21	8.18	2.24	8.28	2.25	8.49	2.27	9.36	2.30	9.94	2.32
	35	7.59	2.37	7.89	2.39	8.00	2.40	8.20	2.42	9.03	2.44	9.58	2.46
	40	7.01	2.58	7.28	2.59	7.37	2.59	7.54	2.60	8.25	2.57	8.73	2.55
	43	6.59	2.68	6.82	2.67	6.89	2.67	7.04	2.67	7.66	2.59	8.07	2.54
	46	6.12	2.76	6.29	2.73	6.35	2.72	6.46	2.70	6.97	2.56	7.31	2.47
2.8 + 3.2 + 5.0	22	8.68	1.51	8.94	1.49	9.03	1.48	9.20	1.46	10.13	1.45	10.75	1.44
	25	8.58	1.72	8.88	1.72	8.98	1.72	9.18	1.72	10.12	1.73	10.74	1.74
	29	8.37	1.97	8.70	1.99	8.80	1.99	9.02	2.00	9.95	2.04	10.57	2.06
	32	8.15	2.13	8.47	2.16	8.58	2.17	8.80	2.18	9.70	2.22	10.30	2.24
	35	7.87	2.28	8.18	2.30	8.29	2.31	8.50	2.33	9.36	2.35	9.93	2.36
	40	7.27	2.48	7.54	2.49	7.64	2.50	7.82	2.50	8.56	2.48	9.05	2.46
	43	6.83	2.58	7.07	2.57	7.15	2.57	7.30	2.57	7.94	2.49	8.37	2.44
	46	6.34	2.66	6.52	2.63	6.58	2.62	6.70	2.60	7.23	2.46	7.58	2.38
2.8 + 4.0 + 4.0	22	8.37	1.53	8.62	1.51	8.71	1.50	8.88	1.49	9.77	1.47	10.37	1.46
	25	8.28	1.75	8.57	1.75	8.66	1.75	8.85	1.74	9.76	1.76	10.37	1.77
	29	8.08	2.00	8.39	2.02	8.49	2.03	8.70	2.04	9.60	2.07	10.19	2.09
	32	7.86	2.17	8.18	2.19	8.28	2.20	8.49	2.22	9.36	2.25	9.94	2.28
	35	7.59	2.32	7.89	2.34	8.00	2.35	8.20	2.37	9.03	2.39	9.58	2.40
	40	7.01	2.52	7.28	2.54	7.37	2.54	7.54	2.55	8.25	2.52	8.73	2.50
	43	6.59	2.62	6.82	2.62	6.89	2.62	7.04	2.61	7.66	2.54	8.07	2.49
	46	6.12	2.70	6.29	2.67	6.35	2.66	6.46	2.64	6.97	2.51	7.31	2.42

Combination (Capacity) (kW)	Outdoor Air Temp. °C DB	Indoor Air Temp. °C WB											
		16		17.5		18		19		22		24	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
3.2 + 3.2 + 3.2	22	8.37	1.51	8.62	1.49	8.71	1.48	8.88	1.46	9.77	1.45	10.37	1.44
	25	8.28	1.72	8.57	1.72	8.66	1.72	8.85	1.72	9.76	1.73	10.37	1.74
	29	8.08	1.97	8.39	1.99	8.49	1.99	8.70	2.00	9.60	2.04	10.19	2.06
	32	7.86	2.13	8.18	2.16	8.28	2.17	8.49	2.18	9.36	2.22	9.94	2.24
	35	7.59	2.28	7.89	2.30	8.00	2.31	8.20	2.33	9.03	2.35	9.58	2.36
	40	7.01	2.48	7.28	2.49	7.37	2.50	7.54	2.50	8.25	2.48	8.73	2.46
	43	6.59	2.58	6.82	2.57	6.89	2.57	7.04	2.57	7.66	2.49	8.07	2.44
	46	6.12	2.66	6.29	2.63	6.35	2.62	6.46	2.60	6.97	2.46	7.31	2.38
3.2 + 3.2 + 4.0	22	8.37	1.51	8.62	1.49	8.71	1.48	8.88	1.46	9.77	1.45	10.37	1.44
	25	8.28	1.72	8.57	1.72	8.66	1.72	8.85	1.72	9.76	1.73	10.37	1.74
	29	8.08	1.97	8.39	1.99	8.49	1.99	8.70	2.00	9.60	2.04	10.19	2.06
	32	7.86	2.13	8.18	2.16	8.28	2.17	8.49	2.18	9.36	2.22	9.94	2.24
	35	7.59	2.28	7.89	2.30	8.00	2.31	8.20	2.33	9.03	2.35	9.58	2.36
	40	7.01	2.48	7.28	2.49	7.37	2.50	7.54	2.50	8.25	2.48	8.73	2.46
	43	6.59	2.58	6.82	2.57	6.89	2.57	7.04	2.57	7.66	2.49	8.07	2.44
	46	6.12	2.66	6.29	2.63	6.35	2.62	6.46	2.60	6.97	2.46	7.31	2.38

Total Q: Total Cooling Capacity (kW)
Input Power (kW)

17.2 Heat Mode Performance Data

Unit setting: Standard piping length, Hi Fan, Heat mode at 30°C
Voltage: 230V, 50Hz

17.2.1 CU-2E12SBE

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	16	4.50	0.85	4.21	0.96	3.97	1.04	4.38	1.37	3.78	1.28	3.10	1.22	2.16	1.21
	18	4.39	0.88	4.12	0.99	3.90	1.07	4.29	1.43	3.61	1.30	2.92	1.24	2.03	1.24
	20	4.27	0.92	4.01	1.03	3.80	1.11	4.20	1.47	3.48	1.33	2.80	1.26	2.00	1.25
	21	4.21	0.94	3.95	1.05	3.75	1.14	4.15	1.47	3.43	1.35	2.78	1.28	2.05	1.25
	22	4.15	0.95	3.89	1.07	3.68	1.17	4.09	1.48	3.38	1.36	2.77	1.29	2.11	1.25
	24	4.03	0.99	3.76	1.13	3.55	1.25	3.99	1.47	3.32	1.40	2.81	1.33	2.35	1.23
2.0	16	5.68	1.08	5.31	1.22	5.02	1.32	5.53	1.74	4.78	1.62	3.92	1.55	2.72	1.54
	18	5.54	1.12	5.20	1.25	4.92	1.36	5.42	1.81	4.57	1.65	3.69	1.57	2.56	1.57
	20	5.39	1.17	5.06	1.30	4.80	1.41	5.31	1.86	4.40	1.70	3.54	1.60	2.53	1.59
	21	5.32	1.20	4.99	1.34	4.73	1.45	5.24	1.86	4.33	1.71	3.51	1.62	2.59	1.59
	22	5.24	1.21	4.91	1.36	4.65	1.49	5.17	1.88	4.27	1.73	3.49	1.64	2.67	1.59
	24	5.09	1.26	4.75	1.44	4.48	1.59	5.03	1.86	4.20	1.78	3.55	1.69	2.97	1.56
2.5	16	6.51	1.31	6.09	1.47	5.75	1.59	6.34	2.09	5.47	1.95	4.49	1.87	3.12	1.85
	18	6.35	1.35	5.96	1.51	5.64	1.64	6.21	2.19	5.23	1.99	4.23	1.90	2.93	1.90
	20	6.18	1.41	5.80	1.57	5.50	1.70	6.08	2.25	5.04	2.04	4.06	1.93	2.90	1.91
	21	6.10	1.44	5.72	1.61	5.42	1.75	6.00	2.25	4.96	2.06	4.02	1.96	2.96	1.91
	22	6.00	1.46	5.63	1.64	5.33	1.79	5.93	2.26	4.90	2.09	4.00	1.98	3.06	1.91
	24	5.83	1.52	5.45	1.74	5.14	1.91	5.77	2.25	4.81	2.15	4.07	2.03	3.40	1.88
2.8	16	6.51	1.31	6.09	1.47	5.75	1.59	6.34	2.09	5.47	1.95	4.49	1.87	3.12	1.85
	18	6.35	1.35	5.96	1.51	5.64	1.64	6.21	2.19	5.23	1.99	4.23	1.90	2.93	1.90
	20	6.18	1.41	5.80	1.57	5.50	1.70	6.08	2.25	5.04	2.04	4.06	1.93	2.90	1.91
	21	6.10	1.44	5.72	1.61	5.42	1.75	6.00	2.25	4.96	2.06	4.02	1.96	2.96	1.91
	22	6.00	1.46	5.63	1.64	5.33	1.79	5.93	2.26	4.90	2.09	4.00	1.98	3.06	1.91
	24	5.83	1.52	5.45	1.74	5.14	1.91	5.77	2.25	4.81	2.15	4.07	2.03	3.40	1.88
3.2	16	6.63	1.29	6.20	1.45	5.86	1.58	6.45	2.07	5.57	1.93	4.58	1.85	3.18	1.83
	18	6.47	1.34	6.07	1.49	5.74	1.62	6.32	2.16	5.33	1.97	4.30	1.88	2.98	1.88
	20	6.29	1.40	5.91	1.55	5.60	1.68	6.19	2.22	5.13	2.02	4.13	1.91	2.95	1.89
	21	6.21	1.43	5.83	1.59	5.52	1.73	6.11	2.22	5.05	2.04	4.09	1.93	3.02	1.89
	22	6.11	1.44	5.73	1.62	5.42	1.77	6.03	2.24	4.98	2.07	4.08	1.95	3.11	1.89
	24	5.94	1.50	5.54	1.72	5.23	1.89	5.87	2.22	4.90	2.12	4.14	2.01	3.47	1.86
1.6 + 1.6	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.0	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42
1.6 + 2.5	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42
1.6 + 2.8	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42
1.6 + 3.2	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42
2.0 + 2.0	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42
2.0 + 2.5	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42
2.0 + 2.8	16	6.71	0.85	6.20	1.03	5.78	1.18	5.64	1.65	4.93	1.51	4.26	1.38	3.48	1.26
	18	6.58	0.88	6.08	1.07	5.69	1.23	5.70	1.59	4.81	1.53	4.09	1.44	3.41	1.31
	20	6.41	0.93	5.96	1.12	5.60	1.27	5.73	1.56	4.76	1.54	3.99	1.49	3.31	1.36
	21	6.32	0.95	5.90	1.13	5.56	1.28	5.73	1.55	4.76	1.55	3.98	1.50	3.25	1.38
	22	6.22	0.97	5.84	1.15	5.53	1.29	5.72	1.55	4.75	1.55	3.96	1.50	3.19	1.39
	24	6.02	1.01	5.72	1.17	5.48	1.29	5.69	1.57	4.83	1.56	4.02	1.52	3.06	1.42

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 3.2	16	6.71	0.82	6.20	0.99	5.78	1.13	5.64	1.58	4.93	1.45	4.26	1.33	3.48	1.21
	18	6.58	0.85	6.08	1.03	5.69	1.18	5.70	1.53	4.81	1.47	4.09	1.39	3.41	1.26
	20	6.41	0.90	5.96	1.08	5.60	1.22	5.73	1.50	4.76	1.48	3.99	1.43	3.31	1.31
	21	6.32	0.92	5.90	1.09	5.56	1.23	5.73	1.49	4.76	1.49	3.98	1.44	3.25	1.33
	22	6.22	0.93	5.84	1.10	5.53	1.24	5.72	1.49	4.75	1.49	3.96	1.44	3.19	1.34
	24	6.02	0.97	5.72	1.12	5.48	1.24	5.69	1.51	4.83	1.50	4.02	1.46	3.06	1.37
2.5 + 2.5	16	6.71	0.82	6.20	0.99	5.78	1.13	5.64	1.58	4.93	1.45	4.26	1.33	3.48	1.21
	18	6.58	0.85	6.08	1.03	5.69	1.18	5.70	1.53	4.81	1.47	4.09	1.39	3.41	1.26
	20	6.41	0.90	5.96	1.08	5.60	1.22	5.73	1.50	4.76	1.48	3.99	1.43	3.31	1.31
	21	6.32	0.92	5.90	1.09	5.56	1.23	5.73	1.49	4.76	1.49	3.98	1.44	3.25	1.33
	22	6.22	0.93	5.84	1.10	5.53	1.24	5.72	1.49	4.75	1.49	3.96	1.44	3.19	1.34
	24	6.02	0.97	5.72	1.12	5.48	1.24	5.69	1.51	4.83	1.50	4.02	1.46	3.06	1.37
2.5 + 2.8	16	6.71	0.82	6.20	0.99	5.78	1.13	5.64	1.58	4.93	1.45	4.26	1.33	3.48	1.21
	18	6.58	0.85	6.08	1.03	5.69	1.18	5.70	1.53	4.81	1.47	4.09	1.39	3.41	1.26
	20	6.41	0.90	5.96	1.08	5.60	1.22	5.73	1.50	4.76	1.48	3.99	1.43	3.31	1.31
	21	6.32	0.92	5.90	1.09	5.56	1.23	5.73	1.49	4.76	1.49	3.98	1.44	3.25	1.33
	22	6.22	0.93	5.84	1.10	5.53	1.24	5.72	1.49	4.75	1.49	3.96	1.44	3.19	1.34
	24	6.02	0.97	5.72	1.12	5.48	1.24	5.69	1.51	4.83	1.50	4.02	1.46	3.06	1.37
2.5 + 3.2	16	6.71	0.82	6.20	0.99	5.78	1.13	5.64	1.58	4.93	1.45	4.26	1.33	3.48	1.21
	18	6.58	0.85	6.08	1.03	5.69	1.18	5.70	1.53	4.81	1.47	4.09	1.39	3.41	1.26
	20	6.41	0.90	5.96	1.08	5.60	1.22	5.73	1.50	4.76	1.48	3.99	1.43	3.31	1.31
	21	6.32	0.92	5.90	1.09	5.56	1.23	5.73	1.49	4.76	1.49	3.98	1.44	3.25	1.33
	22	6.22	0.93	5.84	1.10	5.53	1.24	5.72	1.49	4.75	1.49	3.96	1.44	3.19	1.34
	24	6.02	0.97	5.72	1.12	5.48	1.24	5.69	1.51	4.83	1.50	4.02	1.46	3.06	1.37
2.8 + 2.8	16	6.71	0.82	6.20	0.99	5.78	1.13	5.64	1.58	4.93	1.45	4.26	1.33	3.48	1.21
	18	6.58	0.85	6.08	1.03	5.69	1.18	5.70	1.53	4.81	1.47	4.09	1.39	3.41	1.26
	20	6.41	0.90	5.96	1.08	5.60	1.22	5.73	1.50	4.76	1.48	3.99	1.43	3.31	1.31
	21	6.32	0.92	5.90	1.09	5.56	1.23	5.73	1.49	4.76	1.49	3.98	1.44	3.25	1.33
	22	6.22	0.93	5.84	1.10	5.53	1.24	5.72	1.49	4.75	1.49	3.96	1.44	3.19	1.34
	24	6.02	0.97	5.72	1.12	5.48	1.24	5.69	1.51	4.83	1.50	4.02	1.46	3.06	1.37

17.2.2 CU-2E15SBE

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	16	4.50	0.85	4.21	0.96	3.97	1.04	4.38	1.37	3.78	1.28	3.10	1.22	2.16	1.21
	18	4.39	0.88	4.12	0.99	3.90	1.07	4.29	1.43	3.61	1.30	2.92	1.24	2.03	1.24
	20	4.27	0.92	4.01	1.03	3.80	1.11	4.20	1.47	3.48	1.33	2.80	1.26	2.00	1.25
	21	4.21	0.94	3.95	1.05	3.75	1.14	4.15	1.47	3.43	1.35	2.78	1.28	2.05	1.25
	22	4.15	0.95	3.89	1.07	3.68	1.17	4.09	1.48	3.38	1.36	2.77	1.29	2.11	1.25
	24	4.03	0.99	3.76	1.13	3.55	1.25	3.99	1.47	3.32	1.40	2.81	1.33	2.35	1.23
2.0	16	5.68	1.08	5.31	1.22	5.02	1.32	5.53	1.74	4.78	1.62	3.92	1.55	2.72	1.54
	18	5.54	1.12	5.20	1.25	4.92	1.36	5.42	1.81	4.57	1.65	3.69	1.57	2.56	1.57
	20	5.39	1.17	5.06	1.30	4.80	1.41	5.31	1.86	4.40	1.70	3.54	1.60	2.53	1.59
	21	5.32	1.20	4.99	1.34	4.73	1.45	5.24	1.86	4.33	1.71	3.51	1.62	2.59	1.59
	22	5.24	1.21	4.91	1.36	4.65	1.49	5.17	1.88	4.27	1.73	3.49	1.64	2.67	1.59
	24	5.09	1.26	4.75	1.44	4.48	1.59	5.03	1.86	4.20	1.78	3.55	1.69	2.97	1.56
2.5	16	6.51	1.31	6.09	1.47	5.75	1.59	6.34	2.09	5.47	1.95	4.49	1.87	3.12	1.85
	18	6.35	1.35	5.96	1.51	5.64	1.64	6.21	2.19	5.23	1.99	4.23	1.90	2.93	1.90
	20	6.18	1.41	5.80	1.57	5.50	1.70	6.08	2.25	5.04	2.04	4.06	1.93	2.90	1.91
	21	6.10	1.44	5.72	1.61	5.42	1.75	6.00	2.25	4.96	2.06	4.02	1.96	2.96	1.91
	22	6.00	1.46	5.63	1.64	5.33	1.79	5.93	2.26	4.90	2.09	4.00	1.98	3.06	1.91
	24	5.83	1.52	5.45	1.74	5.14	1.91	5.77	2.25	4.81	2.15	4.07	2.03	3.40	1.88
2.8	16	6.51	1.31	6.09	1.47	5.75	1.59	6.34	2.09	5.47	1.95	4.49	1.87	3.12	1.85
	18	6.35	1.35	5.96	1.51	5.64	1.64	6.21	2.19	5.23	1.99	4.23	1.90	2.93	1.90
	20	6.18	1.41	5.80	1.57	5.50	1.70	6.08	2.25	5.04	2.04	4.06	1.93	2.90	1.91
	21	6.10	1.44	5.72	1.61	5.42	1.75	6.00	2.25	4.96	2.06	4.02	1.96	2.96	1.91
	22	6.00	1.46	5.63	1.64	5.33	1.79	5.93	2.26	4.90	2.09	4.00	1.98	3.06	1.91
	24	5.83	1.52	5.45	1.74	5.14	1.91	5.77	2.25	4.81	2.15	4.07	2.03	3.40	1.88
3.2	16	7.34	1.39	6.86	1.56	6.48	1.70	7.14	2.23	6.17	2.08	5.07	1.99	3.52	1.97
	18	7.16	1.44	6.72	1.61	6.36	1.75	7.00	2.33	5.90	2.12	4.76	2.02	3.30	2.02
	20	6.96	1.50	6.54	1.67	6.20	1.81	6.86	2.39	5.68	2.18	4.58	2.06	3.27	2.04
	21	6.88	1.54	6.45	1.71	6.11	1.86	6.77	2.39	5.60	2.20	4.53	2.08	3.34	2.04
	22	6.77	1.55	6.34	1.75	6.00	1.91	6.68	2.41	5.52	2.22	4.51	2.11	3.45	2.04
	24	6.57	1.62	6.14	1.85	5.79	2.04	6.50	2.39	5.42	2.28	4.59	2.17	3.84	2.00
1.6 + 1.6	16	8.39	1.14	7.75	1.39	7.23	1.59	7.05	2.22	6.16	2.03	5.33	1.86	4.36	1.70
	18	8.22	1.19	7.60	1.45	7.11	1.65	7.12	2.14	6.01	2.05	5.12	1.94	4.26	1.77
	20	8.01	1.25	7.45	1.51	7.00	1.71	7.17	2.10	5.95	2.08	4.99	2.00	4.14	1.83
	21	7.90	1.28	7.38	1.53	6.95	1.72	7.17	2.08	5.95	2.08	4.97	2.02	4.07	1.86
	22	7.78	1.31	7.30	1.55	6.91	1.74	7.15	2.08	5.94	2.08	4.95	2.02	3.99	1.88
	24	7.52	1.37	7.15	1.57	6.85	1.74	7.11	2.11	6.04	2.10	5.02	2.04	3.82	1.92

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.0	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 2.5	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 2.8	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 3.2	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
2.0 + 2.0	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.0 + 2.5	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.0 + 2.8	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 3.2	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.5 + 2.5	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.5 + 2.8	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.5 + 3.2	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.8 + 2.8	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87

17.2.3 CU-2E18SBE

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	16	4.50	0.85	4.21	0.96	3.97	1.04	4.38	1.37	3.78	1.28	3.10	1.22	2.16	1.21
	18	4.39	0.88	4.12	0.99	3.90	1.07	4.29	1.43	3.61	1.30	2.92	1.24	2.03	1.24
	20	4.27	0.92	4.01	1.03	3.80	1.11	4.20	1.47	3.48	1.33	2.80	1.26	2.00	1.25
	21	4.21	0.94	3.95	1.05	3.75	1.14	4.15	1.47	3.43	1.35	2.78	1.28	2.05	1.25
	22	4.15	0.95	3.89	1.07	3.68	1.17	4.09	1.48	3.38	1.36	2.77	1.29	2.11	1.25
	24	4.03	0.99	3.76	1.13	3.55	1.25	3.99	1.47	3.32	1.40	2.81	1.33	2.35	1.23
2.0	16	5.68	1.08	5.31	1.22	5.02	1.32	5.53	1.74	4.78	1.62	3.92	1.55	2.72	1.54
	18	5.54	1.12	5.20	1.25	4.92	1.36	5.42	1.81	4.57	1.65	3.69	1.57	2.56	1.57
	20	5.39	1.17	5.06	1.30	4.80	1.41	5.31	1.86	4.40	1.70	3.54	1.60	2.53	1.59
	21	5.32	1.20	4.99	1.34	4.73	1.45	5.24	1.86	4.33	1.71	3.51	1.62	2.59	1.59
	22	5.24	1.21	4.91	1.36	4.65	1.49	5.17	1.88	4.27	1.73	3.49	1.64	2.67	1.59
	24	5.09	1.26	4.75	1.44	4.48	1.59	5.03	1.86	4.20	1.78	3.55	1.69	2.97	1.56
2.5	16	6.51	1.31	6.09	1.47	5.75	1.59	6.34	2.09	5.47	1.95	4.49	1.87	3.12	1.85
	18	6.35	1.35	5.96	1.51	5.64	1.64	6.21	2.19	5.23	1.99	4.23	1.90	2.93	1.90
	20	6.18	1.41	5.80	1.57	5.50	1.70	6.08	2.25	5.04	2.04	4.06	1.93	2.90	1.91
	21	6.10	1.44	5.72	1.61	5.42	1.75	6.00	2.25	4.96	2.06	4.02	1.96	2.96	1.91
	22	6.00	1.46	5.63	1.64	5.33	1.79	5.93	2.26	4.90	2.09	4.00	1.98	3.06	1.91
	24	5.83	1.52	5.45	1.74	5.14	1.91	5.77	2.25	4.81	2.15	4.07	2.03	3.40	1.88
2.8	16	6.51	1.31	6.09	1.47	5.75	1.59	6.34	2.09	5.47	1.95	4.49	1.87	3.12	1.85
	18	6.35	1.35	5.96	1.51	5.64	1.64	6.21	2.19	5.23	1.99	4.23	1.90	2.93	1.90
	20	6.18	1.41	5.80	1.57	5.50	1.70	6.08	2.25	5.04	2.04	4.06	1.93	2.90	1.91
	21	6.10	1.44	5.72	1.61	5.42	1.75	6.00	2.25	4.96	2.06	4.02	1.96	2.96	1.91
	22	6.00	1.46	5.63	1.64	5.33	1.79	5.93	2.26	4.90	2.09	4.00	1.98	3.06	1.91
	24	5.83	1.52	5.45	1.74	5.14	1.91	5.77	2.25	4.81	2.15	4.07	2.03	3.40	1.88
3.2	16	7.34	1.39	6.86	1.56	6.48	1.70	7.14	2.23	6.17	2.08	5.07	1.99	3.52	1.97
	18	7.16	1.44	6.72	1.61	6.36	1.75	7.00	2.33	5.90	2.12	4.76	2.02	3.30	2.02
	20	6.96	1.50	6.54	1.67	6.20	1.81	6.86	2.39	5.68	2.18	4.58	2.06	3.27	2.04
	21	6.88	1.54	6.45	1.71	6.11	1.86	6.77	2.39	5.60	2.20	4.53	2.08	3.34	2.04
	22	6.77	1.55	6.34	1.75	6.00	1.91	6.68	2.41	5.52	2.22	4.51	2.11	3.45	2.04
	24	6.57	1.62	6.14	1.85	5.79	2.04	6.50	2.39	5.42	2.28	4.59	2.17	3.84	2.00
4.0	16	7.57	1.67	7.08	1.88	6.69	2.04	7.37	2.69	6.37	2.50	5.23	2.40	3.63	2.37
	18	7.39	1.73	6.93	1.94	6.57	2.10	7.23	2.80	6.09	2.56	4.92	2.43	3.41	2.43
	20	7.19	1.81	6.75	2.02	6.40	2.18	7.08	2.88	5.87	2.62	4.72	2.48	3.37	2.45
	21	7.10	1.85	6.66	2.07	6.31	2.24	6.99	2.88	5.78	2.65	4.68	2.51	3.45	2.45
	22	6.99	1.87	6.55	2.11	6.20	2.30	6.90	2.90	5.70	2.68	4.66	2.54	3.56	2.45
	24	6.79	1.95	6.34	2.23	5.98	2.45	6.71	2.88	5.60	2.75	4.73	2.61	3.96	2.41

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
5.0	16	8.05	1.76	7.53	1.97	7.11	2.15	7.83	2.82	6.77	2.63	5.56	2.52	3.86	2.49
	18	7.85	1.82	7.37	2.04	6.98	2.21	7.68	2.94	6.47	2.69	5.22	2.56	3.62	2.56
	20	7.64	1.90	7.17	2.12	6.80	2.29	7.52	3.03	6.23	2.75	5.02	2.61	3.59	2.58
	21	7.54	1.94	7.07	2.17	6.70	2.35	7.42	3.03	6.14	2.78	4.97	2.63	3.66	2.58
	22	7.42	1.96	6.96	2.21	6.59	2.41	7.33	3.05	6.05	2.81	4.95	2.66	3.78	2.58
	24	7.21	2.04	6.73	2.34	6.35	2.58	7.13	3.03	5.95	2.89	5.03	2.74	4.21	2.54
1.6 + 1.6	16	8.39	1.14	7.75	1.39	7.23	1.59	7.05	2.22	6.16	2.03	5.33	1.86	4.36	1.70
	18	8.22	1.19	7.60	1.45	7.11	1.65	7.12	2.14	6.01	2.05	5.12	1.94	4.26	1.77
	20	8.01	1.25	7.45	1.51	7.00	1.71	7.17	2.10	5.95	2.08	4.99	2.00	4.14	1.83
	21	7.90	1.28	7.38	1.53	6.95	1.72	7.17	2.08	5.95	2.08	4.97	2.02	4.07	1.86
	22	7.78	1.31	7.30	1.55	6.91	1.74	7.15	2.08	5.94	2.08	4.95	2.02	3.99	1.88
	24	7.52	1.37	7.15	1.57	6.85	1.74	7.11	2.11	6.04	2.10	5.02	2.04	3.82	1.92
1.6 + 2.0	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 2.5	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 2.8	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 3.2	16	8.39	1.13	7.75	1.37	7.23	1.57	7.05	2.19	6.16	2.00	5.33	1.84	4.36	1.68
	18	8.22	1.17	7.60	1.43	7.11	1.64	7.12	2.11	6.01	2.03	5.12	1.92	4.26	1.74
	20	8.01	1.24	7.45	1.49	7.00	1.69	7.17	2.07	5.95	2.05	4.99	1.98	4.14	1.81
	21	7.90	1.27	7.38	1.51	6.95	1.70	7.17	2.06	5.95	2.06	4.97	2.00	4.07	1.84
	22	7.78	1.29	7.30	1.53	6.91	1.72	7.15	2.06	5.94	2.06	4.95	2.00	3.99	1.85
	24	7.52	1.35	7.15	1.55	6.85	1.72	7.11	2.09	6.04	2.08	5.02	2.02	3.82	1.89
1.6 + 4.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 5.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.0 + 2.0	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.0 + 2.5	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.0 + 2.8	16	8.39	1.12	7.75	1.36	7.23	1.55	7.05	2.17	6.16	1.98	5.33	1.82	4.36	1.66
	18	8.22	1.16	7.60	1.41	7.11	1.62	7.12	2.09	6.01	2.01	5.12	1.90	4.26	1.72
	20	8.01	1.23	7.45	1.47	7.00	1.67	7.17	2.05	5.95	2.03	4.99	1.95	4.14	1.79
	21	7.90	1.25	7.38	1.49	6.95	1.68	7.17	2.03	5.95	2.03	4.97	1.97	4.07	1.82
	22	7.78	1.28	7.30	1.51	6.91	1.70	7.15	2.03	5.94	2.03	4.95	1.98	3.99	1.83
	24	7.52	1.33	7.15	1.54	6.85	1.70	7.11	2.06	6.04	2.05	5.02	2.00	3.82	1.87
2.0 + 3.2	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.0 + 4.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.0 + 5.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.5	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.5 + 2.8	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.5 + 3.2	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.5 + 4.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.5 + 5.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.8 + 2.8	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
2.8 + 3.2	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		1		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.8 + 4.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
3.2 + 3.2	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91
3.2 + 4.0	16	8.63	1.14	7.97	1.38	7.44	1.58	7.25	2.21	6.34	2.02	5.48	1.85	4.48	1.69
	18	8.46	1.18	7.82	1.44	7.31	1.65	7.33	2.13	6.18	2.04	5.26	1.93	4.39	1.75
	20	8.24	1.25	7.66	1.50	7.20	1.70	7.37	2.08	6.12	2.07	5.14	1.99	4.26	1.82
	21	8.13	1.28	7.59	1.52	7.15	1.71	7.37	2.07	6.12	2.07	5.11	2.01	4.18	1.85
	22	8.00	1.30	7.50	1.54	7.11	1.73	7.36	2.07	6.11	2.07	5.09	2.01	4.10	1.86
	24	7.73	1.36	7.35	1.56	7.04	1.73	7.31	2.10	6.21	2.09	5.17	2.03	3.93	1.91

17.2.4 CU-3E23SBE

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6	16	3.72	0.69	3.56	0.83	3.41	0.92	3.20	0.99	2.90	1.01	2.62	0.98	2.32	0.91
	18	3.53	0.70	3.42	0.85	3.30	0.94	3.13	1.01	2.87	1.03	2.61	1.00	2.32	0.93
	20	3.33	0.71	3.28	0.87	3.20	0.96	3.06	1.03	2.84	1.06	2.60	1.03	2.31	0.95
	21	3.25	0.72	3.22	0.88	3.16	0.97	3.03	1.04	2.81	1.07	2.57	1.04	2.29	0.96
	22	3.18	0.73	3.16	0.89	3.11	0.98	3.00	1.05	2.79	1.08	2.55	1.05	2.26	0.97
	24	3.03	0.75	3.05	0.91	3.02	1.00	2.93	1.08	2.73	1.10	2.50	1.07	2.20	0.99
2.0	16	4.77	0.89	4.56	1.07	4.37	1.18	4.09	1.26	3.72	1.29	3.36	1.25	2.97	1.16
	18	4.52	0.90	4.38	1.09	4.23	1.20	4.01	1.29	3.68	1.32	3.35	1.29	2.97	1.19
	20	4.27	0.91	4.20	1.11	4.10	1.23	3.92	1.32	3.64	1.36	3.33	1.32	2.97	1.22
	21	4.17	0.92	4.13	1.12	4.04	1.24	3.88	1.34	3.60	1.37	3.30	1.33	2.93	1.23
	22	4.07	0.94	4.05	1.14	3.99	1.26	3.84	1.35	3.57	1.38	3.27	1.35	2.89	1.25
	24	3.88	0.97	3.91	1.17	3.87	1.28	3.75	1.38	3.50	1.41	3.20	1.37	2.82	1.27
2.5	16	5.00	0.89	4.78	1.07	4.58	1.18	4.29	1.26	3.90	1.29	3.53	1.25	3.11	1.16
	18	4.74	0.90	4.59	1.09	4.44	1.20	4.20	1.29	3.86	1.32	3.51	1.29	3.11	1.19
	20	4.47	0.91	4.40	1.11	4.30	1.23	4.12	1.32	3.81	1.36	3.49	1.32	3.11	1.22
	21	4.37	0.92	4.33	1.12	4.24	1.24	4.07	1.34	3.78	1.37	3.46	1.33	3.07	1.23
	22	4.27	0.94	4.25	1.14	4.18	1.26	4.03	1.35	3.74	1.38	3.43	1.35	3.03	1.25
	24	4.07	0.97	4.10	1.17	4.06	1.28	3.94	1.38	3.67	1.41	3.36	1.37	2.96	1.27
2.8	16	5.00	0.89	4.78	1.07	4.58	1.18	4.29	1.26	3.90	1.29	3.53	1.25	3.11	1.16
	18	4.74	0.90	4.59	1.09	4.44	1.20	4.20	1.29	3.86	1.32	3.51	1.29	3.11	1.19
	20	4.47	0.91	4.40	1.11	4.30	1.23	4.12	1.32	3.81	1.36	3.49	1.32	3.11	1.22
	21	4.37	0.92	4.33	1.12	4.24	1.24	4.07	1.34	3.78	1.37	3.46	1.33	3.07	1.23
	22	4.27	0.94	4.25	1.14	4.18	1.26	4.03	1.35	3.74	1.38	3.43	1.35	3.03	1.25
	24	4.07	0.97	4.10	1.17	4.06	1.28	3.94	1.38	3.67	1.41	3.36	1.37	2.96	1.27
3.2	16	6.74	1.51	6.45	1.83	6.18	2.01	5.79	2.15	5.26	2.20	4.76	2.14	4.20	1.98
	18	6.39	1.53	6.19	1.86	5.99	2.06	5.67	2.21	5.20	2.26	4.73	2.20	4.20	2.03
	20	6.03	1.55	5.94	1.90	5.80	2.10	5.55	2.26	5.14	2.32	4.71	2.25	4.19	2.08
	21	5.90	1.57	5.84	1.92	5.72	2.12	5.49	2.28	5.10	2.34	4.67	2.28	4.14	2.11
	22	5.76	1.60	5.73	1.94	5.64	2.15	5.43	2.31	5.05	2.36	4.62	2.30	4.09	2.13
	24	5.49	1.65	5.53	1.99	5.48	2.19	5.31	2.35	4.95	2.41	4.53	2.34	3.99	2.18
4.0	16	7.91	2.11	7.56	2.55	7.24	2.80	6.79	3.01	6.16	3.07	5.58	2.98	4.93	2.76
	18	7.49	2.13	7.26	2.60	7.02	2.87	6.65	3.08	6.10	3.15	5.55	3.06	4.92	2.83
	20	7.08	2.16	6.96	2.65	6.80	2.93	6.51	3.16	6.03	3.24	5.52	3.14	4.92	2.90
	21	6.92	2.19	6.84	2.68	6.71	2.96	6.44	3.19	5.98	3.27	5.47	3.17	4.86	2.94
	22	6.76	2.23	6.72	2.71	6.61	2.99	6.37	3.22	5.92	3.30	5.42	3.21	4.80	2.97
	24	6.44	2.30	6.49	2.78	6.42	3.06	6.23	3.28	5.81	3.36	5.31	3.27	4.67	3.04

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
5.0	16	8.02	1.81	7.67	2.19	7.35	2.41	6.89	2.59	6.26	2.64	5.66	2.57	5.00	2.38
	18	7.60	1.83	7.37	2.23	7.13	2.47	6.75	2.65	6.19	2.71	5.63	2.63	4.99	2.44
	20	7.18	1.86	7.06	2.27	6.90	2.52	6.61	2.71	6.12	2.78	5.60	2.70	4.99	2.50
	21	7.02	1.89	6.94	2.30	6.80	2.55	6.53	2.74	6.06	2.81	5.55	2.73	4.93	2.53
	22	6.86	1.92	6.82	2.33	6.71	2.58	6.46	2.77	6.01	2.84	5.50	2.76	4.87	2.55
	24	6.53	1.98	6.58	2.39	6.52	2.63	6.32	2.82	5.89	2.89	5.39	2.81	4.74	2.61
6.0	16	10.46	1.82	10.01	2.20	9.59	2.42	8.99	2.60	8.16	2.65	7.38	2.58	6.52	2.39
	18	9.91	1.84	9.61	2.24	9.29	2.48	8.80	2.66	8.07	2.72	7.34	2.65	6.51	2.45
	20	9.36	1.86	9.21	2.28	9.00	2.53	8.62	2.72	7.98	2.79	7.31	2.71	6.51	2.51
	21	9.15	1.89	9.06	2.31	8.88	2.56	8.52	2.75	7.91	2.82	7.24	2.74	6.43	2.54
	22	8.94	1.92	8.90	2.34	8.75	2.59	8.43	2.78	7.83	2.85	7.17	2.77	6.35	2.57
	24	8.52	1.99	8.58	2.40	8.50	2.64	8.24	2.83	7.69	2.90	7.03	2.82	6.19	2.62
1.6 + 1.6	16	19.30	2.11	13.51	2.58	10.72	2.88	8.90	3.13	8.16	3.27	7.88	3.24	7.10	3.09
	18	19.15	2.19	13.18	2.62	10.26	2.90	8.33	3.15	7.60	3.30	7.45	3.32	6.96	3.23
	20	19.01	2.27	12.85	2.66	9.80	2.92	7.77	3.16	7.03	3.34	7.01	3.39	6.82	3.36
	21	18.80	2.32	12.56	2.70	9.61	2.94	7.80	3.17	7.33	3.34	7.41	3.39	7.07	3.36
	22	18.59	2.37	12.28	2.73	9.43	2.96	7.84	3.18	7.63	3.35	7.80	3.40	7.33	3.37
	24	18.17	2.47	11.72	2.79	9.05	3.01	7.90	3.21	8.22	3.36	8.59	3.40	7.84	3.38
1.6 + 2.0	16	19.30	2.11	13.51	2.58	10.72	2.88	8.90	3.13	8.16	3.27	7.88	3.24	7.10	3.09
	18	19.15	2.19	13.18	2.62	10.26	2.90	8.33	3.15	7.60	3.30	7.45	3.32	6.96	3.23
	20	19.01	2.27	12.85	2.66	9.80	2.92	7.77	3.16	7.03	3.34	7.01	3.39	6.82	3.36
	21	18.80	2.32	12.56	2.70	9.61	2.94	7.80	3.17	7.33	3.34	7.41	3.39	7.07	3.36
	22	18.59	2.37	12.28	2.73	9.43	2.96	7.84	3.18	7.63	3.35	7.80	3.40	7.33	3.37
	24	18.17	2.47	11.72	2.79	9.05	3.01	7.90	3.21	8.22	3.36	8.59	3.40	7.84	3.38
1.6 + 2.5	16	19.30	2.11	13.51	2.58	10.72	2.88	8.90	3.13	8.16	3.27	7.88	3.24	7.10	3.09
	18	19.15	2.19	13.18	2.62	10.26	2.90	8.33	3.15	7.60	3.30	7.45	3.32	6.96	3.23
	20	19.01	2.27	12.85	2.66	9.80	2.92	7.77	3.16	7.03	3.34	7.01	3.39	6.82	3.36
	21	18.80	2.32	12.56	2.70	9.61	2.94	7.80	3.17	7.33	3.34	7.41	3.39	7.07	3.36
	22	18.59	2.37	12.28	2.73	9.43	2.96	7.84	3.18	7.63	3.35	7.80	3.40	7.33	3.37
	24	18.17	2.47	11.72	2.79	9.05	3.01	7.90	3.21	8.22	3.36	8.59	3.40	7.84	3.38
1.6 + 2.8	16	19.30	2.11	13.51	2.58	10.72	2.88	8.90	3.13	8.16	3.27	7.88	3.24	7.10	3.09
	18	19.15	2.19	13.18	2.62	10.26	2.90	8.33	3.15	7.60	3.30	7.45	3.32	6.96	3.23
	20	19.01	2.27	12.85	2.66	9.80	2.92	7.77	3.16	7.03	3.34	7.01	3.39	6.82	3.36
	21	18.80	2.32	12.56	2.70	9.61	2.94	7.80	3.17	7.33	3.34	7.41	3.39	7.07	3.36
	22	18.59	2.37	12.28	2.73	9.43	2.96	7.84	3.18	7.63	3.35	7.80	3.40	7.33	3.37
	24	18.17	2.47	11.72	2.79	9.05	3.01	7.90	3.21	8.22	3.36	8.59	3.40	7.84	3.38
1.6 + 3.2	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 4.0	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39
1.6 + 5.0	16	20.08	2.09	14.06	2.57	11.16	2.86	9.26	3.11	8.50	3.24	8.20	3.22	7.39	3.07
	18	19.94	2.17	13.72	2.61	10.68	2.88	8.67	3.12	7.91	3.28	7.75	3.29	7.24	3.20
	20	19.79	2.25	13.37	2.65	10.20	2.90	8.09	3.14	7.31	3.32	7.30	3.37	7.09	3.33
	21	19.57	2.30	13.08	2.68	10.01	2.92	8.12	3.15	7.63	3.32	7.71	3.37	7.36	3.34
	22	19.35	2.35	12.78	2.71	9.81	2.94	8.16	3.16	7.94	3.32	8.12	3.37	7.63	3.34
	24	18.91	2.45	12.20	2.78	9.42	2.99	8.22	3.19	8.56	3.33	8.94	3.38	8.16	3.35
1.6 + 6.0	16	20.08	2.09	14.06	2.57	11.16	2.86	9.26	3.11	8.50	3.24	8.20	3.22	7.39	3.07
	18	19.94	2.17	13.72	2.61	10.68	2.88	8.67	3.12	7.91	3.28	7.75	3.29	7.24	3.20
	20	19.79	2.25	13.37	2.65	10.20	2.90	8.09	3.14	7.31	3.32	7.30	3.37	7.09	3.33
	21	19.57	2.30	13.08	2.68	10.01	2.92	8.12	3.15	7.63	3.32	7.71	3.37	7.36	3.34
	22	19.35	2.35	12.78	2.71	9.81	2.94	8.16	3.16	7.94	3.32	8.12	3.37	7.63	3.34
	24	18.91	2.45	12.20	2.78	9.42	2.99	8.22	3.19	8.56	3.33	8.94	3.38	8.16	3.35
2.0 + 2.0	16	19.30	2.11	13.51	2.59	10.72	2.89	8.90	3.14	8.16	3.28	7.88	3.25	7.10	3.11
	18	19.15	2.19	13.18	2.63	10.26	2.91	8.33	3.16	7.60	3.31	7.45	3.33	6.96	3.24
	20	19.01	2.27	12.85	2.67	9.80	2.93	7.77	3.17	7.03	3.35	7.01	3.40	6.82	3.37
	21	18.80	2.32	12.56	2.71	9.61	2.95	7.80	3.18	7.33	3.35	7.41	3.41	7.07	3.37
	22	18.59	2.37	12.28	2.74	9.43	2.97	7.84	3.20	7.63	3.36	7.80	3.41	7.33	3.38
	24	18.17	2.47	11.72	2.80	9.05	3.02	7.90	3.22	8.22	3.37	8.59	3.41	7.84	3.39
2.0 + 2.5	16	19.30	2.11	13.51	2.59	10.72	2.89	8.90	3.14	8.16	3.28	7.88	3.25	7.10	3.11
	18	19.15	2.19	13.18	2.63	10.26	2.91	8.33	3.16	7.60	3.31	7.45	3.33	6.96	3.24
	20	19.01	2.27	12.85	2.67	9.80	2.93	7.77	3.17	7.03	3.35	7.01	3.40	6.82	3.37
	21	18.80	2.32	12.56	2.71	9.61	2.95	7.80	3.18	7.33	3.35	7.41	3.41	7.07	3.37
	22	18.59	2.37	12.28	2.74	9.43	2.97	7.84	3.20	7.63	3.36	7.80	3.41	7.33	3.38
	24	18.17	2.47	11.72	2.80	9.05	3.02	7.90	3.22	8.22	3.37	8.59	3.41	7.84	3.39
2.0 + 2.8	16	19.30	2.11	13.51	2.59	10.72	2.89	8.90	3.14	8.16	3.28	7.88	3.25	7.10	3.11
	18	19.15	2.19	13.18	2.63	10.26	2.91	8.33	3.16	7.60	3.31	7.45	3.33	6.96	3.24
	20	19.01	2.27	12.85	2.67	9.80	2.93	7.77	3.17	7.03	3.35	7.01	3.40	6.82	3.37
	21	18.80	2.32	12.56	2.71	9.61	2.95	7.80	3.18	7.33	3.35	7.41	3.41	7.07	3.37
	22	18.59	2.37	12.28	2.74	9.43	2.97	7.84	3.20	7.63	3.36	7.80	3.41	7.33	3.38
	24	18.17	2.47	11.72	2.80	9.05	3.02	7.90	3.22	8.22	3.37	8.59	3.41	7.84	3.39
2.0 + 3.2	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 4.0	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39
2.0 + 5.0	16	20.08	2.08	14.06	2.56	11.16	2.85	9.26	3.10	8.50	3.23	8.20	3.21	7.39	3.06
	18	19.94	2.16	13.72	2.60	10.68	2.87	8.67	3.11	7.91	3.27	7.75	3.28	7.24	3.19
	20	19.79	2.24	13.37	2.64	10.20	2.89	8.09	3.13	7.31	3.30	7.30	3.36	7.09	3.32
	21	19.57	2.29	13.08	2.67	10.01	2.91	8.12	3.14	7.63	3.31	7.71	3.36	7.36	3.33
	22	19.35	2.34	12.78	2.70	9.81	2.93	8.16	3.15	7.94	3.31	8.12	3.36	7.63	3.33
	24	18.91	2.44	12.20	2.77	9.42	2.98	8.22	3.17	8.56	3.32	8.94	3.37	8.16	3.34
2.0 + 6.0	16	20.08	2.08	14.06	2.56	11.16	2.85	9.26	3.10	8.50	3.23	8.20	3.21	7.39	3.06
	18	19.94	2.16	13.72	2.60	10.68	2.87	8.67	3.11	7.91	3.27	7.75	3.28	7.24	3.19
	20	19.79	2.24	13.37	2.64	10.20	2.89	8.09	3.13	7.31	3.30	7.30	3.36	7.09	3.32
	21	19.57	2.29	13.08	2.67	10.01	2.91	8.12	3.14	7.63	3.31	7.71	3.36	7.36	3.33
	22	19.35	2.34	12.78	2.70	9.81	2.93	8.16	3.15	7.94	3.31	8.12	3.36	7.63	3.33
	24	18.91	2.44	12.20	2.77	9.42	2.98	8.22	3.17	8.56	3.32	8.94	3.37	8.16	3.34
2.5 + 2.5	16	19.30	2.11	13.51	2.59	10.72	2.89	8.90	3.14	8.16	3.28	7.88	3.25	7.10	3.11
	18	19.15	2.19	13.18	2.63	10.26	2.91	8.33	3.16	7.60	3.31	7.45	3.33	6.96	3.24
	20	19.01	2.27	12.85	2.67	9.80	2.93	7.77	3.17	7.03	3.35	7.01	3.40	6.82	3.37
	21	18.80	2.32	12.56	2.71	9.61	2.95	7.80	3.18	7.33	3.35	7.41	3.41	7.07	3.37
	22	18.59	2.37	12.28	2.74	9.43	2.97	7.84	3.20	7.63	3.36	7.80	3.41	7.33	3.38
	24	18.17	2.47	11.72	2.80	9.05	3.02	7.90	3.22	8.22	3.37	8.59	3.41	7.84	3.39
2.5 + 2.8	16	19.30	2.11	13.51	2.59	10.72	2.89	8.90	3.14	8.16	3.28	7.88	3.25	7.10	3.11
	18	19.15	2.19	13.18	2.63	10.26	2.91	8.33	3.16	7.60	3.31	7.45	3.33	6.96	3.24
	20	19.01	2.27	12.85	2.67	9.80	2.93	7.77	3.17	7.03	3.35	7.01	3.40	6.82	3.37
	21	18.80	2.32	12.56	2.71	9.61	2.95	7.80	3.18	7.33	3.35	7.41	3.41	7.07	3.37
	22	18.59	2.37	12.28	2.74	9.43	2.97	7.84	3.20	7.63	3.36	7.80	3.41	7.33	3.38
	24	18.17	2.47	11.72	2.80	9.05	3.02	7.90	3.22	8.22	3.37	8.59	3.41	7.84	3.39
2.5 + 3.2	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39
2.5 + 4.0	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 5.0	16	20.08	2.08	14.06	2.56	11.16	2.85	9.26	3.10	8.50	3.23	8.20	3.21	7.39	3.06
	18	19.94	2.16	13.72	2.60	10.68	2.87	8.67	3.11	7.91	3.27	7.75	3.28	7.24	3.19
	20	19.79	2.24	13.37	2.64	10.20	2.89	8.09	3.13	7.31	3.30	7.30	3.36	7.09	3.32
	21	19.57	2.29	13.08	2.67	10.01	2.91	8.12	3.14	7.63	3.31	7.71	3.36	7.36	3.33
	22	19.35	2.34	12.78	2.70	9.81	2.93	8.16	3.15	7.94	3.31	8.12	3.36	7.63	3.33
	24	18.91	2.44	12.20	2.77	9.42	2.98	8.22	3.17	8.56	3.32	8.94	3.37	8.16	3.34
2.5 + 6.0	16	20.08	2.08	14.06	2.56	11.16	2.85	9.26	3.10	8.50	3.23	8.20	3.21	7.39	3.06
	18	19.94	2.16	13.72	2.60	10.68	2.87	8.67	3.11	7.91	3.27	7.75	3.28	7.24	3.19
	20	19.79	2.24	13.37	2.64	10.20	2.89	8.09	3.13	7.31	3.30	7.30	3.36	7.09	3.32
	21	19.57	2.29	13.08	2.67	10.01	2.91	8.12	3.14	7.63	3.31	7.71	3.36	7.36	3.33
	22	19.35	2.34	12.78	2.70	9.81	2.93	8.16	3.15	7.94	3.31	8.12	3.36	7.63	3.33
	24	18.91	2.44	12.20	2.77	9.42	2.98	8.22	3.17	8.56	3.32	8.94	3.37	8.16	3.34
2.8 + 2.8	16	19.30	2.11	13.51	2.59	10.72	2.89	8.90	3.14	8.16	3.28	7.88	3.25	7.10	3.11
	18	19.15	2.19	13.18	2.63	10.26	2.91	8.33	3.16	7.60	3.31	7.45	3.33	6.96	3.24
	20	19.01	2.27	12.85	2.67	9.80	2.93	7.77	3.17	7.03	3.35	7.01	3.40	6.82	3.37
	21	18.80	2.32	12.56	2.71	9.61	2.95	7.80	3.18	7.33	3.35	7.41	3.41	7.07	3.37
	22	18.59	2.37	12.28	2.74	9.43	2.97	7.84	3.20	7.63	3.36	7.80	3.41	7.33	3.38
	24	18.17	2.47	11.72	2.80	9.05	3.02	7.90	3.22	8.22	3.37	8.59	3.41	7.84	3.39
2.8 + 3.2	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39
2.8 + 4.0	16	19.49	2.11	13.65	2.59	10.83	2.89	8.99	3.14	8.25	3.28	7.96	3.25	7.17	3.11
	18	19.35	2.19	13.31	2.63	10.36	2.91	8.42	3.16	7.67	3.31	7.52	3.33	7.03	3.24
	20	19.21	2.27	12.98	2.67	9.90	2.93	7.85	3.17	7.10	3.35	7.09	3.40	6.88	3.37
	21	18.99	2.32	12.69	2.71	9.71	2.95	7.88	3.18	7.40	3.35	7.48	3.41	7.14	3.37
	22	18.78	2.37	12.41	2.74	9.52	2.97	7.92	3.20	7.70	3.36	7.88	3.41	7.40	3.38
	24	18.36	2.47	11.84	2.80	9.15	3.02	7.98	3.22	8.31	3.37	8.68	3.41	7.92	3.39
2.8 + 5.0	16	20.08	2.08	14.06	2.56	11.16	2.85	9.26	3.10	8.50	3.23	8.20	3.21	7.39	3.06
	18	19.94	2.16	13.72	2.60	10.68	2.87	8.67	3.11	7.91	3.27	7.75	3.28	7.24	3.19
	20	19.79	2.24	13.37	2.64	10.20	2.89	8.09	3.13	7.31	3.30	7.30	3.36	7.09	3.32
	21	19.57	2.29	13.08	2.67	10.01	2.91	8.12	3.14	7.63	3.31	7.71	3.36	7.36	3.33
	22	19.35	2.34	12.78	2.70	9.81	2.93	8.16	3.15	7.94	3.31	8.12	3.36	7.63	3.33
	24	18.91	2.44	12.20	2.77	9.42	2.98	8.22	3.17	8.56	3.32	8.94	3.37	8.16	3.34
2.8 + 6.0	16	20.08	2.08	14.06	2.56	11.16	2.85	9.26	3.10	8.50	3.23	8.20	3.21	7.39	3.06
	18	19.94	2.16	13.72	2.60	10.68	2.87	8.67	3.11	7.91	3.27	7.75	3.28	7.24	3.19
	20	19.79	2.24	13.37	2.64	10.20	2.89	8.09	3.13	7.31	3.30	7.30	3.36	7.09	3.32
	21	19.57	2.29	13.08	2.67	10.01	2.91	8.12	3.14	7.63	3.31	7.71	3.36	7.36	3.33
	22	19.35	2.34	12.78	2.70	9.81	2.93	8.16	3.15	7.94	3.31	8.12	3.36	7.63	3.33
	24	18.91	2.44	12.20	2.77	9.42	2.98	8.22	3.17	8.56	3.32	8.94	3.37	8.16	3.34

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
3.2 + 3.2	16	19.69	2.11	13.79	2.59	10.94	2.89	9.08	3.14	8.33	3.28	8.04	3.25	7.24	3.11
	18	19.55	2.19	13.45	2.63	10.47	2.91	8.50	3.16	7.75	3.31	7.60	3.33	7.10	3.24
	20	19.40	2.27	13.11	2.67	10.00	2.93	7.93	3.17	7.17	3.35	7.16	3.40	6.95	3.37
	21	19.19	2.32	12.82	2.71	9.81	2.95	7.96	3.18	7.48	3.35	7.56	3.41	7.22	3.37
	22	18.97	2.37	12.53	2.74	9.62	2.97	8.00	3.20	7.78	3.36	7.96	3.41	7.48	3.38
	24	18.54	2.47	11.96	2.80	9.24	3.02	8.06	3.22	8.39	3.37	8.77	3.41	8.00	3.39
3.2 + 4.0	16	19.69	2.11	13.79	2.59	10.94	2.89	9.08	3.14	8.33	3.28	8.04	3.25	7.24	3.11
	18	19.55	2.19	13.45	2.63	10.47	2.91	8.50	3.16	7.75	3.31	7.60	3.33	7.10	3.24
	20	19.40	2.27	13.11	2.67	10.00	2.93	7.93	3.17	7.17	3.35	7.16	3.40	6.95	3.37
	21	19.19	2.32	12.82	2.71	9.81	2.95	7.96	3.18	7.48	3.35	7.56	3.41	7.22	3.37
	22	18.97	2.37	12.53	2.74	9.62	2.97	8.00	3.20	7.78	3.36	7.96	3.41	7.48	3.38
	24	18.54	2.47	11.96	2.80	9.24	3.02	8.06	3.22	8.39	3.37	8.77	3.41	8.00	3.39
3.2 + 5.0	16	20.28	2.08	14.20	2.55	11.27	2.84	9.35	3.09	8.58	3.22	8.28	3.20	7.46	3.05
	18	20.13	2.16	13.85	2.59	10.78	2.86	8.76	3.10	7.98	3.26	7.83	3.27	7.31	3.18
	20	19.98	2.23	13.50	2.63	10.30	2.88	8.17	3.12	7.39	3.29	7.37	3.34	7.16	3.31
	21	19.76	2.28	13.21	2.66	10.10	2.90	8.20	3.13	7.70	3.30	7.79	3.35	7.43	3.32
	22	19.54	2.33	12.91	2.69	9.91	2.92	8.24	3.14	8.02	3.30	8.20	3.35	7.70	3.32
	24	19.10	2.43	12.32	2.76	9.52	2.97	8.30	3.16	8.64	3.31	9.03	3.35	8.24	3.33
3.2 + 6.0	16	20.28	2.08	14.20	2.55	11.27	2.84	9.35	3.09	8.58	3.22	8.28	3.20	7.46	3.05
	18	20.13	2.16	13.85	2.59	10.78	2.86	8.76	3.10	7.98	3.26	7.83	3.27	7.31	3.18
	20	19.98	2.23	13.50	2.63	10.30	2.88	8.17	3.12	7.39	3.29	7.37	3.34	7.16	3.31
	21	19.76	2.28	13.21	2.66	10.10	2.90	8.20	3.13	7.70	3.30	7.79	3.35	7.43	3.32
	22	19.54	2.33	12.91	2.69	9.91	2.92	8.24	3.14	8.02	3.30	8.20	3.35	7.70	3.32
	24	19.10	2.43	12.32	2.76	9.52	2.97	8.30	3.16	8.64	3.31	9.03	3.35	8.24	3.33
4.0 + 4.0	16	19.69	2.08	13.79	2.56	10.94	2.85	9.08	3.10	8.33	3.23	8.04	3.21	7.24	3.06
	18	19.55	2.16	13.45	2.60	10.47	2.87	8.50	3.11	7.75	3.27	7.60	3.28	7.10	3.19
	20	19.40	2.24	13.11	2.64	10.00	2.89	7.93	3.13	7.17	3.30	7.16	3.36	6.95	3.32
	21	19.19	2.29	12.82	2.67	9.81	2.91	7.96	3.14	7.48	3.31	7.56	3.36	7.22	3.33
	22	18.97	2.34	12.53	2.70	9.62	2.93	8.00	3.15	7.78	3.31	7.96	3.36	7.48	3.33
	24	18.54	2.44	11.96	2.77	9.24	2.98	8.06	3.17	8.39	3.32	8.77	3.37	8.00	3.34
4.0 + 5.0	16	20.28	2.07	14.20	2.54	11.27	2.83	9.35	3.08	8.58	3.21	8.28	3.19	7.46	3.04
	18	20.13	2.15	13.85	2.58	10.78	2.85	8.76	3.09	7.98	3.25	7.83	3.26	7.31	3.17
	20	19.98	2.23	13.50	2.62	10.30	2.87	8.17	3.11	7.39	3.28	7.37	3.33	7.16	3.30
	21	19.76	2.28	13.21	2.65	10.10	2.89	8.20	3.12	7.70	3.29	7.79	3.34	7.43	3.30
	22	19.54	2.33	12.91	2.68	9.91	2.91	8.24	3.13	8.02	3.29	8.20	3.34	7.70	3.31
	24	19.10	2.42	12.32	2.75	9.52	2.95	8.30	3.15	8.64	3.30	9.03	3.34	8.24	3.32
4.0 + 6.0	16	20.28	2.07	14.20	2.54	11.27	2.83	9.35	3.08	8.58	3.21	8.28	3.19	7.46	3.04
	18	20.13	2.15	13.85	2.58	10.78	2.85	8.76	3.09	7.98	3.25	7.83	3.26	7.31	3.17
	20	19.98	2.23	13.50	2.62	10.30	2.87	8.17	3.11	7.39	3.28	7.37	3.33	7.16	3.30
	21	19.76	2.28	13.21	2.65	10.10	2.89	8.20	3.12	7.70	3.29	7.79	3.34	7.43	3.30
	22	19.54	2.33	12.91	2.68	9.91	2.91	8.24	3.13	8.02	3.29	8.20	3.34	7.70	3.31
	24	19.10	2.42	12.32	2.75	9.52	2.95	8.30	3.15	8.64	3.30	9.03	3.34	8.24	3.32

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
5.0 + 5.0	16	20.68	2.01	14.47	2.46	11.48	2.74	9.53	2.98	8.75	3.11	8.45	3.09	7.61	2.95
	18	20.52	2.08	14.12	2.50	10.99	2.76	8.93	2.99	8.14	3.14	7.98	3.16	7.45	3.07
	20	20.37	2.16	13.76	2.54	10.50	2.78	8.32	3.01	7.53	3.18	7.52	3.23	7.30	3.20
	21	20.15	2.20	13.46	2.57	10.30	2.80	8.36	3.02	7.85	3.18	7.94	3.23	7.58	3.20
	22	19.92	2.25	13.16	2.60	10.10	2.82	8.39	3.03	8.17	3.19	8.36	3.23	7.85	3.20
	24	19.47	2.35	12.55	2.66	9.70	2.86	8.47	3.05	8.81	3.19	9.21	3.24	8.40	3.21
5.0 + 6.0	16	20.68	2.01	14.47	2.46	11.48	2.74	9.53	2.98	8.75	3.11	8.45	3.09	7.61	2.95
	18	20.52	2.08	14.12	2.50	10.99	2.76	8.93	2.99	8.14	3.14	7.98	3.16	7.45	3.07
	20	20.37	2.16	13.76	2.54	10.50	2.78	8.32	3.01	7.53	3.18	7.52	3.23	7.30	3.20
	21	20.15	2.20	13.46	2.57	10.30	2.80	8.36	3.02	7.85	3.18	7.94	3.23	7.58	3.20
	22	19.92	2.25	13.16	2.60	10.10	2.82	8.39	3.03	8.17	3.19	8.36	3.23	7.85	3.20
	24	19.47	2.35	12.55	2.66	9.70	2.86	8.47	3.05	8.81	3.19	9.21	3.24	8.40	3.21
1.6 + 1.6 + 1.6	16	20.48	2.06	14.34	2.53	11.37	2.82	9.44	3.06	8.66	3.20	8.36	3.18	7.53	3.03
	18	20.33	2.14	13.99	2.57	10.89	2.84	8.84	3.08	8.06	3.23	7.90	3.25	7.38	3.16
	20	20.18	2.22	13.63	2.61	10.40	2.86	8.24	3.10	7.46	3.27	7.44	3.32	7.23	3.29
	21	19.95	2.27	13.33	2.64	10.20	2.88	8.28	3.11	7.78	3.27	7.86	3.32	7.51	3.29
	22	19.73	2.32	13.03	2.67	10.00	2.90	8.31	3.12	8.09	3.28	8.28	3.33	7.78	3.30
	24	19.28	2.42	12.43	2.74	9.61	2.94	8.39	3.14	8.73	3.29	9.12	3.33	8.32	3.31
1.6 + 1.6 + 2.0	16	20.48	2.06	14.34	2.52	11.37	2.81	9.44	3.05	8.66	3.19	8.36	3.17	7.53	3.02
	18	20.33	2.13	13.99	2.56	10.89	2.83	8.84	3.07	8.06	3.22	7.90	3.24	7.38	3.15
	20	20.18	2.21	13.63	2.60	10.40	2.85	8.24	3.09	7.46	3.26	7.44	3.31	7.23	3.28
	21	19.95	2.26	13.33	2.63	10.20	2.87	8.28	3.10	7.78	3.26	7.86	3.31	7.51	3.28
	22	19.73	2.31	13.03	2.66	10.00	2.89	8.31	3.11	8.09	3.27	8.28	3.31	7.78	3.29
	24	19.28	2.41	12.43	2.73	9.61	2.93	8.39	3.13	8.73	3.27	9.12	3.32	8.32	3.30
1.6 + 1.6 + 2.5	16	20.48	2.06	14.34	2.52	11.37	2.81	9.44	3.05	8.66	3.19	8.36	3.17	7.53	3.02
	18	20.33	2.13	13.99	2.56	10.89	2.83	8.84	3.07	8.06	3.22	7.90	3.24	7.38	3.15
	20	20.18	2.21	13.63	2.60	10.40	2.85	8.24	3.09	7.46	3.26	7.44	3.31	7.23	3.28
	21	19.95	2.26	13.33	2.63	10.20	2.87	8.28	3.10	7.78	3.26	7.86	3.31	7.51	3.28
	22	19.73	2.31	13.03	2.66	10.00	2.89	8.31	3.11	8.09	3.27	8.28	3.31	7.78	3.29
	24	19.28	2.41	12.43	2.73	9.61	2.93	8.39	3.13	8.73	3.27	9.12	3.32	8.32	3.30
1.6 + 1.6 + 2.8	16	20.48	2.06	14.34	2.52	11.37	2.81	9.44	3.05	8.66	3.19	8.36	3.17	7.53	3.02
	18	20.33	2.13	13.99	2.56	10.89	2.83	8.84	3.07	8.06	3.22	7.90	3.24	7.38	3.15
	20	20.18	2.21	13.63	2.60	10.40	2.85	8.24	3.09	7.46	3.26	7.44	3.31	7.23	3.28
	21	19.95	2.26	13.33	2.63	10.20	2.87	8.28	3.10	7.78	3.26	7.86	3.31	7.51	3.28
	22	19.73	2.31	13.03	2.66	10.00	2.89	8.31	3.11	8.09	3.27	8.28	3.31	7.78	3.29
	24	19.28	2.41	12.43	2.73	9.61	2.93	8.39	3.13	8.73	3.27	9.12	3.32	8.32	3.30
1.6 + 1.6 + 3.2	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 1.6 + 4.0	16	20.68	2.06	14.47	2.53	11.48	2.82	9.53	3.06	8.75	3.20	8.45	3.18	7.61	3.03
	18	20.52	2.14	14.12	2.57	10.99	2.84	8.93	3.08	8.14	3.23	7.98	3.25	7.45	3.16
	20	20.37	2.22	13.76	2.61	10.50	2.86	8.32	3.10	7.53	3.27	7.52	3.32	7.30	3.29
	21	20.15	2.27	13.46	2.64	10.30	2.88	8.36	3.11	7.85	3.27	7.94	3.32	7.58	3.29
	22	19.92	2.32	13.16	2.67	10.10	2.90	8.39	3.12	8.17	3.28	8.36	3.33	7.85	3.30
	24	19.47	2.42	12.55	2.74	9.70	2.94	8.47	3.14	8.81	3.29	9.21	3.33	8.40	3.31
1.6 + 1.6 + 5.0	16	20.87	1.96	14.61	2.41	11.59	2.68	9.62	2.91	8.83	3.04	8.53	3.02	7.68	2.88
	18	20.72	2.04	14.25	2.44	11.10	2.70	9.01	2.93	8.22	3.08	8.06	3.09	7.52	3.00
	20	20.56	2.11	13.90	2.48	10.60	2.72	8.40	2.95	7.60	3.11	7.59	3.16	7.37	3.13
	21	20.34	2.16	13.59	2.51	10.40	2.74	8.44	2.96	7.93	3.11	8.01	3.16	7.65	3.13
	22	20.11	2.20	13.28	2.54	10.20	2.76	8.47	2.97	8.25	3.12	8.44	3.16	7.93	3.14
	24	19.66	2.30	12.67	2.60	9.79	2.80	8.55	2.99	8.90	3.13	9.29	3.17	8.48	3.14
1.6 + 1.6 + 6.0	16	20.87	1.96	14.61	2.41	11.59	2.68	9.62	2.91	8.83	3.04	8.53	3.02	7.68	2.88
	18	20.72	2.04	14.25	2.44	11.10	2.70	9.01	2.93	8.22	3.08	8.06	3.09	7.52	3.00
	20	20.56	2.11	13.90	2.48	10.60	2.72	8.40	2.95	7.60	3.11	7.59	3.16	7.37	3.13
	21	20.34	2.16	13.59	2.51	10.40	2.74	8.44	2.96	7.93	3.11	8.01	3.16	7.65	3.13
	22	20.11	2.20	13.28	2.54	10.20	2.76	8.47	2.97	8.25	3.12	8.44	3.16	7.93	3.14
	24	19.66	2.30	12.67	2.60	9.79	2.80	8.55	2.99	8.90	3.13	9.29	3.17	8.48	3.14
1.6 + 2.0 + 2.0	16	20.48	2.05	14.34	2.51	11.37	2.80	9.44	3.04	8.66	3.18	8.36	3.15	7.53	3.01
	18	20.33	2.13	13.99	2.55	10.89	2.82	8.84	3.06	8.06	3.21	7.90	3.23	7.38	3.14
	20	20.18	2.20	13.63	2.59	10.40	2.84	8.24	3.08	7.46	3.25	7.44	3.30	7.23	3.26
	21	19.95	2.25	13.33	2.62	10.20	2.86	8.28	3.09	7.78	3.25	7.86	3.30	7.51	3.27
	22	19.73	2.30	13.03	2.65	10.00	2.88	8.31	3.10	8.09	3.26	8.28	3.30	7.78	3.27
	24	19.28	2.40	12.43	2.72	9.61	2.92	8.39	3.12	8.73	3.26	9.12	3.31	8.32	3.28
1.6 + 2.0 + 2.5	16	20.48	2.05	14.34	2.51	11.37	2.80	9.44	3.04	8.66	3.18	8.36	3.15	7.53	3.01
	18	20.33	2.13	13.99	2.55	10.89	2.82	8.84	3.06	8.06	3.21	7.90	3.23	7.38	3.14
	20	20.18	2.20	13.63	2.59	10.40	2.84	8.24	3.08	7.46	3.25	7.44	3.30	7.23	3.26
	21	19.95	2.25	13.33	2.62	10.20	2.86	8.28	3.09	7.78	3.25	7.86	3.30	7.51	3.27
	22	19.73	2.30	13.03	2.65	10.00	2.88	8.31	3.10	8.09	3.26	8.28	3.30	7.78	3.27
	24	19.28	2.40	12.43	2.72	9.61	2.92	8.39	3.12	8.73	3.26	9.12	3.31	8.32	3.28
1.6 + 2.0 + 2.8	16	20.48	2.05	14.34	2.51	11.37	2.80	9.44	3.04	8.66	3.18	8.36	3.15	7.53	3.01
	18	20.33	2.13	13.99	2.55	10.89	2.82	8.84	3.06	8.06	3.21	7.90	3.23	7.38	3.14
	20	20.18	2.20	13.63	2.59	10.40	2.84	8.24	3.08	7.46	3.25	7.44	3.30	7.23	3.26
	21	19.95	2.25	13.33	2.62	10.20	2.86	8.28	3.09	7.78	3.25	7.86	3.30	7.51	3.27
	22	19.73	2.30	13.03	2.65	10.00	2.88	8.31	3.10	8.09	3.26	8.28	3.30	7.78	3.27
	24	19.28	2.40	12.43	2.72	9.61	2.92	8.39	3.12	8.73	3.26	9.12	3.31	8.32	3.28
1.6 + 2.0 + 3.2	16	20.48	2.01	14.34	2.46	11.37	2.74	9.44	2.98	8.66	3.11	8.36	3.09	7.53	2.95
	18	20.33	2.08	13.99	2.50	10.89	2.76	8.84	2.99	8.06	3.14	7.90	3.16	7.38	3.07
	20	20.18	2.16	13.63	2.54	10.40	2.78	8.24	3.01	7.46	3.18	7.44	3.23	7.23	3.20
	21	19.95	2.20	13.33	2.57	10.20	2.80	8.28	3.02	7.78	3.18	7.86	3.23	7.51	3.20
	22	19.73	2.25	13.03	2.60	10.00	2.82	8.31	3.03	8.09	3.19	8.28	3.23	7.78	3.20
	24	19.28	2.35	12.43	2.66	9.61	2.86	8.39	3.05	8.73	3.19	9.12	3.24	8.32	3.21

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.0 + 4.0	16	20.68	2.03	14.47	2.49	11.48	2.77	9.53	3.01	8.75	3.14	8.45	3.12	7.61	2.98
	18	20.52	2.10	14.12	2.53	10.99	2.79	8.93	3.03	8.14	3.18	7.98	3.19	7.45	3.10
	20	20.37	2.18	13.76	2.56	10.50	2.81	8.32	3.04	7.53	3.21	7.52	3.26	7.30	3.23
	21	20.15	2.23	13.46	2.59	10.30	2.83	8.36	3.05	7.85	3.22	7.94	3.27	7.58	3.23
	22	19.92	2.28	13.16	2.63	10.10	2.85	8.39	3.06	8.17	3.22	8.36	3.27	7.85	3.24
	24	19.47	2.37	12.55	2.69	9.70	2.89	8.47	3.09	8.81	3.23	9.21	3.27	8.40	3.25
1.6 + 2.0 + 5.0	16	20.87	1.95	14.61	2.40	11.59	2.67	9.62	2.90	8.83	3.03	8.53	3.01	7.68	2.87
	18	20.72	2.03	14.25	2.44	11.10	2.69	9.01	2.92	8.22	3.07	8.06	3.08	7.52	2.99
	20	20.56	2.10	13.90	2.47	10.60	2.71	8.40	2.93	7.60	3.10	7.59	3.15	7.37	3.12
	21	20.34	2.15	13.59	2.50	10.40	2.73	8.44	2.95	7.93	3.10	8.01	3.15	7.65	3.12
	22	20.11	2.20	13.28	2.53	10.20	2.75	8.47	2.96	8.25	3.11	8.44	3.15	7.93	3.12
	24	19.66	2.29	12.67	2.59	9.79	2.79	8.55	2.98	8.90	3.11	9.29	3.16	8.48	3.13
1.6 + 2.0 + 6.0	16	20.87	1.95	14.61	2.40	11.59	2.67	9.62	2.90	8.83	3.03	8.53	3.01	7.68	2.87
	18	20.72	2.03	14.25	2.44	11.10	2.69	9.01	2.92	8.22	3.07	8.06	3.08	7.52	2.99
	20	20.56	2.10	13.90	2.47	10.60	2.71	8.40	2.93	7.60	3.10	7.59	3.15	7.37	3.12
	21	20.34	2.15	13.59	2.50	10.40	2.73	8.44	2.95	7.93	3.10	8.01	3.15	7.65	3.12
	22	20.11	2.20	13.28	2.53	10.20	2.75	8.47	2.96	8.25	3.11	8.44	3.15	7.93	3.12
	24	19.66	2.29	12.67	2.59	9.79	2.79	8.55	2.98	8.90	3.11	9.29	3.16	8.48	3.13
1.6 + 2.5 + 2.5	16	20.48	2.05	14.34	2.51	11.37	2.80	9.44	3.04	8.66	3.18	8.36	3.15	7.53	3.01
	18	20.33	2.13	13.99	2.55	10.89	2.82	8.84	3.06	8.06	3.21	7.90	3.23	7.38	3.14
	20	20.18	2.20	13.63	2.59	10.40	2.84	8.24	3.08	7.46	3.25	7.44	3.30	7.23	3.26
	21	19.95	2.25	13.33	2.62	10.20	2.86	8.28	3.09	7.78	3.25	7.86	3.30	7.51	3.27
	22	19.73	2.30	13.03	2.65	10.00	2.88	8.31	3.10	8.09	3.26	8.28	3.30	7.78	3.27
	24	19.28	2.40	12.43	2.72	9.61	2.92	8.39	3.12	8.73	3.26	9.12	3.31	8.32	3.28
1.6 + 2.5 + 2.8	16	20.48	2.05	14.34	2.51	11.37	2.80	9.44	3.04	8.66	3.18	8.36	3.15	7.53	3.01
	18	20.33	2.13	13.99	2.55	10.89	2.82	8.84	3.06	8.06	3.21	7.90	3.23	7.38	3.14
	20	20.18	2.20	13.63	2.59	10.40	2.84	8.24	3.08	7.46	3.25	7.44	3.30	7.23	3.26
	21	19.95	2.25	13.33	2.62	10.20	2.86	8.28	3.09	7.78	3.25	7.86	3.30	7.51	3.27
	22	19.73	2.30	13.03	2.65	10.00	2.88	8.31	3.10	8.09	3.26	8.28	3.30	7.78	3.27
	24	19.28	2.40	12.43	2.72	9.61	2.92	8.39	3.12	8.73	3.26	9.12	3.31	8.32	3.28
1.6 + 2.5 + 3.2	16	20.48	2.01	14.34	2.46	11.37	2.74	9.44	2.98	8.66	3.11	8.36	3.09	7.53	2.95
	18	20.33	2.08	13.99	2.50	10.89	2.76	8.84	2.99	8.06	3.14	7.90	3.16	7.38	3.07
	20	20.18	2.16	13.63	2.54	10.40	2.78	8.24	3.01	7.46	3.18	7.44	3.23	7.23	3.20
	21	19.95	2.20	13.33	2.57	10.20	2.80	8.28	3.02	7.78	3.18	7.86	3.23	7.51	3.20
	22	19.73	2.25	13.03	2.60	10.00	2.82	8.31	3.03	8.09	3.19	8.28	3.23	7.78	3.20
	24	19.28	2.35	12.43	2.66	9.61	2.86	8.39	3.05	8.73	3.19	9.12	3.24	8.32	3.21
1.6 + 2.5 + 4.0	16	20.68	2.03	14.47	2.49	11.48	2.77	9.53	3.01	8.75	3.14	8.45	3.12	7.61	2.98
	18	20.52	2.10	14.12	2.53	10.99	2.79	8.93	3.03	8.14	3.18	7.98	3.19	7.45	3.10
	20	20.37	2.18	13.76	2.56	10.50	2.81	8.32	3.04	7.53	3.21	7.52	3.26	7.30	3.23
	21	20.15	2.23	13.46	2.59	10.30	2.83	8.36	3.05	7.85	3.22	7.94	3.27	7.58	3.23
	22	19.92	2.28	13.16	2.63	10.10	2.85	8.39	3.06	8.17	3.22	8.36	3.27	7.85	3.24
	24	19.47	2.37	12.55	2.69	9.70	2.89	8.47	3.09	8.81	3.23	9.21	3.27	8.40	3.25

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 2.5 + 5.0	16	20.87	1.95	14.61	2.40	11.59	2.67	9.62	2.90	8.83	3.03	8.53	3.01	7.68	2.87
	18	20.72	2.03	14.25	2.44	11.10	2.69	9.01	2.92	8.22	3.07	8.06	3.08	7.52	2.99
	20	20.56	2.10	13.90	2.47	10.60	2.71	8.40	2.93	7.60	3.10	7.59	3.15	7.37	3.12
	21	20.34	2.15	13.59	2.50	10.40	2.73	8.44	2.95	7.93	3.10	8.01	3.15	7.65	3.12
	22	20.11	2.20	13.28	2.53	10.20	2.75	8.47	2.96	8.25	3.11	8.44	3.15	7.93	3.12
	24	19.66	2.29	12.67	2.59	9.79	2.79	8.55	2.98	8.90	3.11	9.29	3.16	8.48	3.13
1.6 + 2.5 + 6.0	16	20.87	1.95	14.61	2.40	11.59	2.67	9.62	2.90	8.83	3.03	8.53	3.01	7.68	2.87
	18	20.72	2.03	14.25	2.44	11.10	2.69	9.01	2.92	8.22	3.07	8.06	3.08	7.52	2.99
	20	20.56	2.10	13.90	2.47	10.60	2.71	8.40	2.93	7.60	3.10	7.59	3.15	7.37	3.12
	21	20.34	2.15	13.59	2.50	10.40	2.73	8.44	2.95	7.93	3.10	8.01	3.15	7.65	3.12
	22	20.11	2.20	13.28	2.53	10.20	2.75	8.47	2.96	8.25	3.11	8.44	3.15	7.93	3.12
	24	19.66	2.29	12.67	2.59	9.79	2.79	8.55	2.98	8.90	3.11	9.29	3.16	8.48	3.13
1.6 + 2.8 + 2.8	16	20.48	2.05	14.34	2.51	11.37	2.80	9.44	3.04	8.66	3.18	8.36	3.15	7.53	3.01
	18	20.33	2.13	13.99	2.55	10.89	2.82	8.84	3.06	8.06	3.21	7.90	3.23	7.38	3.14
	20	20.18	2.20	13.63	2.59	10.40	2.84	8.24	3.08	7.46	3.25	7.44	3.30	7.23	3.26
	21	19.95	2.25	13.33	2.62	10.20	2.86	8.28	3.09	7.78	3.25	7.86	3.30	7.51	3.27
	22	19.73	2.30	13.03	2.65	10.00	2.88	8.31	3.10	8.09	3.26	8.28	3.30	7.78	3.27
	24	19.28	2.40	12.43	2.72	9.61	2.92	8.39	3.12	8.73	3.26	9.12	3.31	8.32	3.28
1.6 + 2.8 + 3.2	16	20.48	2.01	14.34	2.46	11.37	2.74	9.44	2.98	8.66	3.11	8.36	3.09	7.53	2.95
	18	20.33	2.08	13.99	2.50	10.89	2.76	8.84	2.99	8.06	3.14	7.90	3.16	7.38	3.07
	20	20.18	2.16	13.63	2.54	10.40	2.78	8.24	3.01	7.46	3.18	7.44	3.23	7.23	3.20
	21	19.95	2.20	13.33	2.57	10.20	2.80	8.28	3.02	7.78	3.18	7.86	3.23	7.51	3.20
	22	19.73	2.25	13.03	2.60	10.00	2.82	8.31	3.03	8.09	3.19	8.28	3.23	7.78	3.20
	24	19.28	2.35	12.43	2.66	9.61	2.86	8.39	3.05	8.73	3.19	9.12	3.24	8.32	3.21
1.6 + 2.8 + 4.0	16	20.68	2.03	14.47	2.49	11.48	2.77	9.53	3.01	8.75	3.14	8.45	3.12	7.61	2.98
	18	20.52	2.10	14.12	2.53	10.99	2.79	8.93	3.03	8.14	3.18	7.98	3.19	7.45	3.10
	20	20.37	2.18	13.76	2.56	10.50	2.81	8.32	3.04	7.53	3.21	7.52	3.26	7.30	3.23
	21	20.15	2.23	13.46	2.59	10.30	2.83	8.36	3.05	7.85	3.22	7.94	3.27	7.58	3.23
	22	19.92	2.28	13.16	2.63	10.10	2.85	8.39	3.06	8.17	3.22	8.36	3.27	7.85	3.24
	24	19.47	2.37	12.55	2.69	9.70	2.89	8.47	3.09	8.81	3.23	9.21	3.27	8.40	3.25
1.6 + 2.8 + 5.0	16	20.87	1.95	14.61	2.40	11.59	2.67	9.62	2.90	8.83	3.03	8.53	3.01	7.68	2.87
	18	20.72	2.03	14.25	2.44	11.10	2.69	9.01	2.92	8.22	3.07	8.06	3.08	7.52	2.99
	20	20.56	2.10	13.90	2.47	10.60	2.71	8.40	2.93	7.60	3.10	7.59	3.15	7.37	3.12
	21	20.34	2.15	13.59	2.50	10.40	2.73	8.44	2.95	7.93	3.10	8.01	3.15	7.65	3.12
	22	20.11	2.20	13.28	2.53	10.20	2.75	8.47	2.96	8.25	3.11	8.44	3.15	7.93	3.12
	24	19.66	2.29	12.67	2.59	9.79	2.79	8.55	2.98	8.90	3.11	9.29	3.16	8.48	3.13
1.6 + 2.8 + 6.0	16	20.87	1.95	14.61	2.40	11.59	2.67	9.62	2.90	8.83	3.03	8.53	3.01	7.68	2.87
	18	20.72	2.03	14.25	2.44	11.10	2.69	9.01	2.92	8.22	3.07	8.06	3.08	7.52	2.99
	20	20.56	2.10	13.90	2.47	10.60	2.71	8.40	2.93	7.60	3.10	7.59	3.15	7.37	3.12
	21	20.34	2.15	13.59	2.50	10.40	2.73	8.44	2.95	7.93	3.10	8.01	3.15	7.65	3.12
	22	20.11	2.20	13.28	2.53	10.20	2.75	8.47	2.96	8.25	3.11	8.44	3.15	7.93	3.12
	24	19.66	2.29	12.67	2.59	9.79	2.79	8.55	2.98	8.90	3.11	9.29	3.16	8.48	3.13

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
1.6 + 3.2 + 3.2	16	20.68	2.01	14.47	2.47	11.48	2.75	9.53	2.99	8.75	3.12	8.45	3.10	7.61	2.96
	18	20.52	2.09	14.12	2.51	10.99	2.77	8.93	3.01	8.14	3.16	7.98	3.17	7.45	3.08
	20	20.37	2.17	13.76	2.55	10.50	2.79	8.32	3.02	7.53	3.19	7.52	3.24	7.30	3.21
	21	20.15	2.21	13.46	2.58	10.30	2.81	8.36	3.03	7.85	3.19	7.94	3.24	7.58	3.21
	22	19.92	2.26	13.16	2.61	10.10	2.83	8.39	3.04	8.17	3.20	8.36	3.24	7.85	3.22
	24	19.47	2.36	12.55	2.67	9.70	2.87	8.47	3.06	8.81	3.21	9.21	3.25	8.40	3.23
1.6 + 3.2 + 4.0	16	20.68	2.01	14.47	2.47	11.48	2.75	9.53	2.99	8.75	3.12	8.45	3.10	7.61	2.96
	18	20.52	2.09	14.12	2.51	10.99	2.77	8.93	3.01	8.14	3.16	7.98	3.17	7.45	3.08
	20	20.37	2.17	13.76	2.55	10.50	2.79	8.32	3.02	7.53	3.19	7.52	3.24	7.30	3.21
	21	20.15	2.21	13.46	2.58	10.30	2.81	8.36	3.03	7.85	3.19	7.94	3.24	7.58	3.21
	22	19.92	2.26	13.16	2.61	10.10	2.83	8.39	3.04	8.17	3.20	8.36	3.24	7.85	3.22
	24	19.47	2.36	12.55	2.67	9.70	2.87	8.47	3.06	8.81	3.21	9.21	3.25	8.40	3.23
1.6 + 3.2 + 5.0	16	20.87	1.93	14.61	2.37	11.59	2.64	9.62	2.87	8.83	3.00	8.53	2.98	7.68	2.84
	18	20.72	2.01	14.25	2.41	11.10	2.66	9.01	2.89	8.22	3.03	8.06	3.04	7.52	2.96
	20	20.56	2.08	13.90	2.44	10.60	2.68	8.40	2.90	7.60	3.06	7.59	3.11	7.37	3.08
	21	20.34	2.13	13.59	2.47	10.40	2.70	8.44	2.91	7.93	3.07	8.01	3.11	7.65	3.09
	22	20.11	2.17	13.28	2.50	10.20	2.72	8.47	2.92	8.25	3.07	8.44	3.12	7.93	3.09
	24	19.66	2.26	12.67	2.56	9.79	2.76	8.55	2.94	8.90	3.08	9.29	3.12	8.48	3.10
1.6 + 3.2 + 6.0	16	20.87	1.93	14.61	2.37	11.59	2.64	9.62	2.87	8.83	3.00	8.53	2.98	7.68	2.84
	18	20.72	2.01	14.25	2.41	11.10	2.66	9.01	2.89	8.22	3.03	8.06	3.04	7.52	2.96
	20	20.56	2.08	13.90	2.44	10.60	2.68	8.40	2.90	7.60	3.06	7.59	3.11	7.37	3.08
	21	20.34	2.13	13.59	2.47	10.40	2.70	8.44	2.91	7.93	3.07	8.01	3.11	7.65	3.09
	22	20.11	2.17	13.28	2.50	10.20	2.72	8.47	2.92	8.25	3.07	8.44	3.12	7.93	3.09
	24	19.66	2.26	12.67	2.56	9.79	2.76	8.55	2.94	8.90	3.08	9.29	3.12	8.48	3.10
1.6 + 4.0 + 4.0	16	20.68	2.01	14.47	2.46	11.48	2.74	9.53	2.98	8.75	3.11	8.45	3.09	7.61	2.95
	18	20.52	2.08	14.12	2.50	10.99	2.76	8.93	2.99	8.14	3.14	7.98	3.16	7.45	3.07
	20	20.37	2.16	13.76	2.54	10.50	2.78	8.32	3.01	7.53	3.18	7.52	3.23	7.30	3.20
	21	20.15	2.20	13.46	2.57	10.30	2.80	8.36	3.02	7.85	3.18	7.94	3.23	7.58	3.20
	22	19.92	2.25	13.16	2.60	10.10	2.82	8.39	3.03	8.17	3.19	8.36	3.23	7.85	3.20
	24	19.47	2.35	12.55	2.66	9.70	2.86	8.47	3.05	8.81	3.19	9.21	3.24	8.40	3.21
1.6 + 4.0 + 5.0	16	20.87	1.93	14.61	2.36	11.59	2.63	9.62	2.86	8.83	2.99	8.53	2.97	7.68	2.83
	18	20.72	2.00	14.25	2.40	11.10	2.65	9.01	2.88	8.22	3.02	8.06	3.03	7.52	2.95
	20	20.56	2.07	13.90	2.44	10.60	2.67	8.40	2.89	7.60	3.05	7.59	3.10	7.37	3.07
	21	20.34	2.12	13.59	2.47	10.40	2.69	8.44	2.90	7.93	3.06	8.01	3.10	7.65	3.07
	22	20.11	2.16	13.28	2.50	10.20	2.71	8.47	2.91	8.25	3.06	8.44	3.11	7.93	3.08
	24	19.66	2.26	12.67	2.56	9.79	2.75	8.55	2.93	8.90	3.07	9.29	3.11	8.48	3.09
2.0 + 2.0 + 2.0	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.0 + 2.5	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.0 + 2.0 + 2.8	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.0 + 2.0 + 3.2	16	20.48	2.00	14.34	2.45	11.37	2.73	9.44	2.97	8.66	3.10	8.36	3.08	7.53	2.94
	18	20.33	2.07	13.99	2.49	10.89	2.75	8.84	2.98	8.06	3.13	7.90	3.15	7.38	3.06
	20	20.18	2.15	13.63	2.53	10.40	2.77	8.24	3.00	7.46	3.17	7.44	3.22	7.23	3.18
	21	19.95	2.20	13.33	2.56	10.20	2.79	8.28	3.01	7.78	3.17	7.86	3.22	7.51	3.19
	22	19.73	2.24	13.03	2.59	10.00	2.81	8.31	3.02	8.09	3.18	8.28	3.22	7.78	3.19
	24	19.28	2.34	12.43	2.65	9.61	2.85	8.39	3.04	8.73	3.18	9.12	3.23	8.32	3.20
2.0 + 2.0 + 4.0	16	20.68	2.02	14.47	2.48	11.48	2.76	9.53	3.00	8.75	3.13	8.45	3.11	7.61	2.97
	18	20.52	2.10	14.12	2.52	10.99	2.78	8.93	3.02	8.14	3.17	7.98	3.18	7.45	3.09
	20	20.37	2.17	13.76	2.55	10.50	2.80	8.32	3.03	7.53	3.20	7.52	3.25	7.30	3.22
	21	20.15	2.22	13.46	2.59	10.30	2.82	8.36	3.04	7.85	3.21	7.94	3.25	7.58	3.22
	22	19.92	2.27	13.16	2.62	10.10	2.84	8.39	3.05	8.17	3.21	8.36	3.26	7.85	3.23
	24	19.47	2.36	12.55	2.68	9.70	2.88	8.47	3.08	8.81	3.22	9.21	3.26	8.40	3.24
2.0 + 2.0 + 5.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.0 + 2.0 + 6.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.0 + 2.5 + 2.5	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.5 + 2.8	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.0 + 2.5 + 3.2	16	20.48	2.00	14.34	2.45	11.37	2.73	9.44	2.97	8.66	3.10	8.36	3.08	7.53	2.94
	18	20.33	2.07	13.99	2.49	10.89	2.75	8.84	2.98	8.06	3.13	7.90	3.15	7.38	3.06
	20	20.18	2.15	13.63	2.53	10.40	2.77	8.24	3.00	7.46	3.17	7.44	3.22	7.23	3.18
	21	19.95	2.20	13.33	2.56	10.20	2.79	8.28	3.01	7.78	3.17	7.86	3.22	7.51	3.19
	22	19.73	2.24	13.03	2.59	10.00	2.81	8.31	3.02	8.09	3.18	8.28	3.22	7.78	3.19
	24	19.28	2.34	12.43	2.65	9.61	2.85	8.39	3.04	8.73	3.18	9.12	3.23	8.32	3.20
2.0 + 2.5 + 4.0	16	20.68	2.02	14.47	2.48	11.48	2.76	9.53	3.00	8.75	3.13	8.45	3.11	7.61	2.97
	18	20.52	2.10	14.12	2.52	10.99	2.78	8.93	3.02	8.14	3.17	7.98	3.18	7.45	3.09
	20	20.37	2.17	13.76	2.55	10.50	2.80	8.32	3.03	7.53	3.20	7.52	3.25	7.30	3.22
	21	20.15	2.22	13.46	2.59	10.30	2.82	8.36	3.04	7.85	3.21	7.94	3.25	7.58	3.22
	22	19.92	2.27	13.16	2.62	10.10	2.84	8.39	3.05	8.17	3.21	8.36	3.26	7.85	3.23
	24	19.47	2.36	12.55	2.68	9.70	2.88	8.47	3.08	8.81	3.22	9.21	3.26	8.40	3.24
2.0 + 2.5 + 5.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.0 + 2.5 + 6.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.0 + 2.8 + 2.8	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.0 + 2.8 + 3.2	16	20.48	2.00	14.34	2.45	11.37	2.73	9.44	2.97	8.66	3.10	8.36	3.08	7.53	2.94
	18	20.33	2.07	13.99	2.49	10.89	2.75	8.84	2.98	8.06	3.13	7.90	3.15	7.38	3.06
	20	20.18	2.15	13.63	2.53	10.40	2.77	8.24	3.00	7.46	3.17	7.44	3.22	7.23	3.18
	21	19.95	2.20	13.33	2.56	10.20	2.79	8.28	3.01	7.78	3.17	7.86	3.22	7.51	3.19
	22	19.73	2.24	13.03	2.59	10.00	2.81	8.31	3.02	8.09	3.18	8.28	3.22	7.78	3.19
	24	19.28	2.34	12.43	2.65	9.61	2.85	8.39	3.04	8.73	3.18	9.12	3.23	8.32	3.20

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 2.8 + 4.0	16	20.68	2.02	14.47	2.48	11.48	2.76	9.53	3.00	8.75	3.13	8.45	3.11	7.61	2.97
	18	20.52	2.10	14.12	2.52	10.99	2.78	8.93	3.02	8.14	3.17	7.98	3.18	7.45	3.09
	20	20.37	2.17	13.76	2.55	10.50	2.80	8.32	3.03	7.53	3.20	7.52	3.25	7.30	3.22
	21	20.15	2.22	13.46	2.59	10.30	2.82	8.36	3.04	7.85	3.21	7.94	3.25	7.58	3.22
	22	19.92	2.27	13.16	2.62	10.10	2.84	8.39	3.05	8.17	3.21	8.36	3.26	7.85	3.23
	24	19.47	2.36	12.55	2.68	9.70	2.88	8.47	3.08	8.81	3.22	9.21	3.26	8.40	3.24
2.0 + 2.8 + 5.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.0 + 2.8 + 6.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.0 + 3.2 + 3.2	16	20.68	2.01	14.47	2.47	11.48	2.75	9.53	2.99	8.75	3.12	8.45	3.10	7.61	2.96
	18	20.52	2.09	14.12	2.51	10.99	2.77	8.93	3.01	8.14	3.16	7.98	3.17	7.45	3.08
	20	20.37	2.17	13.76	2.55	10.50	2.79	8.32	3.02	7.53	3.19	7.52	3.24	7.30	3.21
	21	20.15	2.21	13.46	2.58	10.30	2.81	8.36	3.03	7.85	3.19	7.94	3.24	7.58	3.21
	22	19.92	2.26	13.16	2.61	10.10	2.83	8.39	3.04	8.17	3.20	8.36	3.24	7.85	3.22
	24	19.47	2.36	12.55	2.67	9.70	2.87	8.47	3.06	8.81	3.21	9.21	3.25	8.40	3.23
2.0 + 3.2 + 4.0	16	20.68	2.01	14.47	2.46	11.48	2.74	9.53	2.98	8.75	3.11	8.45	3.09	7.61	2.95
	18	20.52	2.08	14.12	2.50	10.99	2.76	8.93	2.99	8.14	3.14	7.98	3.16	7.45	3.07
	20	20.37	2.16	13.76	2.54	10.50	2.78	8.32	3.01	7.53	3.18	7.52	3.23	7.30	3.20
	21	20.15	2.20	13.46	2.57	10.30	2.80	8.36	3.02	7.85	3.18	7.94	3.23	7.58	3.20
	22	19.92	2.25	13.16	2.60	10.10	2.82	8.39	3.03	8.17	3.19	8.36	3.23	7.85	3.20
	24	19.47	2.35	12.55	2.66	9.70	2.86	8.47	3.05	8.81	3.19	9.21	3.24	8.40	3.21
2.0 + 3.2 + 5.0	16	20.87	1.93	14.61	2.36	11.59	2.63	9.62	2.86	8.83	2.99	8.53	2.97	7.68	2.83
	18	20.72	2.00	14.25	2.40	11.10	2.65	9.01	2.88	8.22	3.02	8.06	3.03	7.52	2.95
	20	20.56	2.07	13.90	2.44	10.60	2.67	8.40	2.89	7.60	3.05	7.59	3.10	7.37	3.07
	21	20.34	2.12	13.59	2.47	10.40	2.69	8.44	2.90	7.93	3.06	8.01	3.10	7.65	3.07
	22	20.11	2.16	13.28	2.50	10.20	2.71	8.47	2.91	8.25	3.06	8.44	3.11	7.93	3.08
	24	19.66	2.26	12.67	2.56	9.79	2.75	8.55	2.93	8.90	3.07	9.29	3.11	8.48	3.09
2.0 + 4.0 + 4.0	16	20.68	2.00	14.47	2.45	11.48	2.73	9.53	2.97	8.75	3.10	8.45	3.08	7.61	2.94
	18	20.52	2.07	14.12	2.49	10.99	2.75	8.93	2.98	8.14	3.13	7.98	3.15	7.45	3.06
	20	20.37	2.15	13.76	2.53	10.50	2.77	8.32	3.00	7.53	3.17	7.52	3.22	7.30	3.18
	21	20.15	2.20	13.46	2.56	10.30	2.79	8.36	3.01	7.85	3.17	7.94	3.22	7.58	3.19
	22	19.92	2.24	13.16	2.59	10.10	2.81	8.39	3.02	8.17	3.18	8.36	3.22	7.85	3.19
	24	19.47	2.34	12.55	2.65	9.70	2.85	8.47	3.04	8.81	3.18	9.21	3.23	8.40	3.20

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.0 + 4.0 + 5.0	16	20.87	1.92	14.61	2.35	11.59	2.62	9.62	2.85	8.83	2.98	8.53	2.95	7.68	2.82
	18	20.72	1.99	14.25	2.39	11.10	2.64	9.01	2.87	8.22	3.01	8.06	3.02	7.52	2.94
	20	20.56	2.06	13.90	2.43	10.60	2.66	8.40	2.88	7.60	3.04	7.59	3.09	7.37	3.06
	21	20.34	2.11	13.59	2.46	10.40	2.68	8.44	2.89	7.93	3.05	8.01	3.09	7.65	3.06
	22	20.11	2.16	13.28	2.49	10.20	2.70	8.47	2.90	8.25	3.05	8.44	3.09	7.93	3.07
	24	19.66	2.25	12.67	2.55	9.79	2.74	8.55	2.92	8.90	3.06	9.29	3.10	8.48	3.08
2.5 + 2.5 + 2.5	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.5 + 2.5 + 2.8	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.5 + 2.5 + 3.2	16	20.48	2.00	14.34	2.45	11.37	2.73	9.44	2.97	8.66	3.10	8.36	3.08	7.53	2.94
	18	20.33	2.07	13.99	2.49	10.89	2.75	8.84	2.98	8.06	3.13	7.90	3.15	7.38	3.06
	20	20.18	2.15	13.63	2.53	10.40	2.77	8.24	3.00	7.46	3.17	7.44	3.22	7.23	3.18
	21	19.95	2.20	13.33	2.56	10.20	2.79	8.28	3.01	7.78	3.17	7.86	3.22	7.51	3.19
	22	19.73	2.24	13.03	2.59	10.00	2.81	8.31	3.02	8.09	3.18	8.28	3.22	7.78	3.19
	24	19.28	2.34	12.43	2.65	9.61	2.85	8.39	3.04	8.73	3.18	9.12	3.23	8.32	3.20
2.5 + 2.5 + 4.0	16	20.68	2.02	14.47	2.48	11.48	2.76	9.53	3.00	8.75	3.13	8.45	3.11	7.61	2.97
	18	20.52	2.10	14.12	2.52	10.99	2.78	8.93	3.02	8.14	3.17	7.98	3.18	7.45	3.09
	20	20.37	2.17	13.76	2.55	10.50	2.80	8.32	3.03	7.53	3.20	7.52	3.25	7.30	3.22
	21	20.15	2.22	13.46	2.59	10.30	2.82	8.36	3.04	7.85	3.21	7.94	3.25	7.58	3.22
	22	19.92	2.27	13.16	2.62	10.10	2.84	8.39	3.05	8.17	3.21	8.36	3.26	7.85	3.23
	24	19.47	2.36	12.55	2.68	9.70	2.88	8.47	3.08	8.81	3.22	9.21	3.26	8.40	3.24
2.5 + 2.5 + 5.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.5 + 2.5 + 6.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 2.8 + 2.8	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.5 + 2.8 + 3.2	16	20.48	2.00	14.34	2.45	11.37	2.73	9.44	2.97	8.66	3.10	8.36	3.08	7.53	2.94
	18	20.33	2.07	13.99	2.49	10.89	2.75	8.84	2.98	8.06	3.13	7.90	3.15	7.38	3.06
	20	20.18	2.15	13.63	2.53	10.40	2.77	8.24	3.00	7.46	3.17	7.44	3.22	7.23	3.18
	21	19.95	2.20	13.33	2.56	10.20	2.79	8.28	3.01	7.78	3.17	7.86	3.22	7.51	3.19
	22	19.73	2.24	13.03	2.59	10.00	2.81	8.31	3.02	8.09	3.18	8.28	3.22	7.78	3.19
	24	19.28	2.34	12.43	2.65	9.61	2.85	8.39	3.04	8.73	3.18	9.12	3.23	8.32	3.20
2.5 + 2.8 + 4.0	16	20.68	2.02	14.47	2.48	11.48	2.76	9.53	3.00	8.75	3.13	8.45	3.11	7.61	2.97
	18	20.52	2.10	14.12	2.52	10.99	2.78	8.93	3.02	8.14	3.17	7.98	3.18	7.45	3.09
	20	20.37	2.17	13.76	2.55	10.50	2.80	8.32	3.03	7.53	3.20	7.52	3.25	7.30	3.22
	21	20.15	2.22	13.46	2.59	10.30	2.82	8.36	3.04	7.85	3.21	7.94	3.25	7.58	3.22
	22	19.92	2.27	13.16	2.62	10.10	2.84	8.39	3.05	8.17	3.21	8.36	3.26	7.85	3.23
	24	19.47	2.36	12.55	2.68	9.70	2.88	8.47	3.08	8.81	3.22	9.21	3.26	8.40	3.24
2.5 + 2.8 + 5.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.5 + 3.2 + 3.2	16	20.68	2.01	14.47	2.47	11.48	2.75	9.53	2.99	8.75	3.12	8.45	3.10	7.61	2.96
	18	20.52	2.09	14.12	2.51	10.99	2.77	8.93	3.01	8.14	3.16	7.98	3.17	7.45	3.08
	20	20.37	2.17	13.76	2.55	10.50	2.79	8.32	3.02	7.53	3.19	7.52	3.24	7.30	3.21
	21	20.15	2.21	13.46	2.58	10.30	2.81	8.36	3.03	7.85	3.19	7.94	3.24	7.58	3.21
	22	19.92	2.26	13.16	2.61	10.10	2.83	8.39	3.04	8.17	3.20	8.36	3.24	7.85	3.22
	24	19.47	2.36	12.55	2.67	9.70	2.87	8.47	3.06	8.81	3.21	9.21	3.25	8.40	3.23
2.5 + 3.2 + 4.0	16	20.68	2.01	14.47	2.46	11.48	2.74	9.53	2.98	8.75	3.11	8.45	3.09	7.61	2.95
	18	20.52	2.08	14.12	2.50	10.99	2.76	8.93	2.99	8.14	3.14	7.98	3.16	7.45	3.07
	20	20.37	2.16	13.76	2.54	10.50	2.78	8.32	3.01	7.53	3.18	7.52	3.23	7.30	3.20
	21	20.15	2.20	13.46	2.57	10.30	2.80	8.36	3.02	7.85	3.18	7.94	3.23	7.58	3.20
	22	19.92	2.25	13.16	2.60	10.10	2.82	8.39	3.03	8.17	3.19	8.36	3.23	7.85	3.20
	24	19.47	2.35	12.55	2.66	9.70	2.86	8.47	3.05	8.81	3.19	9.21	3.24	8.40	3.21
2.5 + 3.2 + 5.0	16	20.87	1.93	14.61	2.36	11.59	2.63	9.62	2.86	8.83	2.99	8.53	2.97	7.68	2.83
	18	20.72	2.00	14.25	2.40	11.10	2.65	9.01	2.88	8.22	3.02	8.06	3.03	7.52	2.95
	20	20.56	2.07	13.90	2.44	10.60	2.67	8.40	2.89	7.60	3.05	7.59	3.10	7.37	3.07
	21	20.34	2.12	13.59	2.47	10.40	2.69	8.44	2.90	7.93	3.06	8.01	3.10	7.65	3.07
	22	20.11	2.16	13.28	2.50	10.20	2.71	8.47	2.91	8.25	3.06	8.44	3.11	7.93	3.08
	24	19.66	2.26	12.67	2.56	9.79	2.75	8.55	2.93	8.90	3.07	9.29	3.11	8.48	3.09

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.5 + 4.0 + 4.0	16	20.68	2.00	14.47	2.45	11.48	2.73	9.53	2.97	8.75	3.10	8.45	3.08	7.61	2.94
	18	20.52	2.07	14.12	2.49	10.99	2.75	8.93	2.98	8.14	3.13	7.98	3.15	7.45	3.06
	20	20.37	2.15	13.76	2.53	10.50	2.77	8.32	3.00	7.53	3.17	7.52	3.22	7.30	3.18
	21	20.15	2.20	13.46	2.56	10.30	2.79	8.36	3.01	7.85	3.17	7.94	3.22	7.58	3.19
	22	19.92	2.24	13.16	2.59	10.10	2.81	8.39	3.02	8.17	3.18	8.36	3.22	7.85	3.19
	24	19.47	2.34	12.55	2.65	9.70	2.85	8.47	3.04	8.81	3.18	9.21	3.23	8.40	3.20
2.8 + 2.8 + 2.8	16	20.48	2.04	14.34	2.50	11.37	2.79	9.44	3.03	8.66	3.17	8.36	3.14	7.53	3.00
	18	20.33	2.12	13.99	2.54	10.89	2.81	8.84	3.05	8.06	3.20	7.90	3.21	7.38	3.13
	20	20.18	2.20	13.63	2.58	10.40	2.83	8.24	3.06	7.46	3.24	7.44	3.29	7.23	3.25
	21	19.95	2.24	13.33	2.61	10.20	2.85	8.28	3.08	7.78	3.24	7.86	3.29	7.51	3.26
	22	19.73	2.29	13.03	2.65	10.00	2.87	8.31	3.09	8.09	3.24	8.28	3.29	7.78	3.26
	24	19.28	2.39	12.43	2.71	9.61	2.91	8.39	3.11	8.73	3.25	9.12	3.30	8.32	3.27
2.8 + 2.8 + 3.2	16	20.48	2.00	14.34	2.45	11.37	2.73	9.44	2.97	8.66	3.10	8.36	3.08	7.53	2.94
	18	20.33	2.07	13.99	2.49	10.89	2.75	8.84	2.98	8.06	3.13	7.90	3.15	7.38	3.06
	20	20.18	2.15	13.63	2.53	10.40	2.77	8.24	3.00	7.46	3.17	7.44	3.22	7.23	3.18
	21	19.95	2.20	13.33	2.56	10.20	2.79	8.28	3.01	7.78	3.17	7.86	3.22	7.51	3.19
	22	19.73	2.24	13.03	2.59	10.00	2.81	8.31	3.02	8.09	3.18	8.28	3.22	7.78	3.19
	24	19.28	2.34	12.43	2.65	9.61	2.85	8.39	3.04	8.73	3.18	9.12	3.23	8.32	3.20
2.8 + 2.8 + 4.0	16	20.68	2.02	14.47	2.48	11.48	2.76	9.53	3.00	8.75	3.13	8.45	3.11	7.61	2.97
	18	20.52	2.10	14.12	2.52	10.99	2.78	8.93	3.02	8.14	3.17	7.98	3.18	7.45	3.09
	20	20.37	2.17	13.76	2.55	10.50	2.80	8.32	3.03	7.53	3.20	7.52	3.25	7.30	3.22
	21	20.15	2.22	13.46	2.59	10.30	2.82	8.36	3.04	7.85	3.21	7.94	3.25	7.58	3.22
	22	19.92	2.27	13.16	2.62	10.10	2.84	8.39	3.05	8.17	3.21	8.36	3.26	7.85	3.23
	24	19.47	2.36	12.55	2.68	9.70	2.88	8.47	3.08	8.81	3.22	9.21	3.26	8.40	3.24
2.8 + 2.8 + 5.0	16	20.87	1.95	14.61	2.39	11.59	2.66	9.62	2.89	8.83	3.02	8.53	3.00	7.68	2.86
	18	20.72	2.02	14.25	2.43	11.10	2.68	9.01	2.91	8.22	3.05	8.06	3.07	7.52	2.98
	20	20.56	2.10	13.90	2.46	10.60	2.70	8.40	2.92	7.60	3.09	7.59	3.14	7.37	3.10
	21	20.34	2.14	13.59	2.49	10.40	2.72	8.44	2.93	7.93	3.09	8.01	3.14	7.65	3.11
	22	20.11	2.19	13.28	2.52	10.20	2.74	8.47	2.94	8.25	3.09	8.44	3.14	7.93	3.11
	24	19.66	2.28	12.67	2.58	9.79	2.78	8.55	2.97	8.90	3.10	9.29	3.14	8.48	3.12
2.8 + 3.2 + 3.2	16	20.68	2.01	14.47	2.47	11.48	2.75	9.53	2.99	8.75	3.12	8.45	3.10	7.61	2.96
	18	20.52	2.09	14.12	2.51	10.99	2.77	8.93	3.01	8.14	3.16	7.98	3.17	7.45	3.08
	20	20.37	2.17	13.76	2.55	10.50	2.79	8.32	3.02	7.53	3.19	7.52	3.24	7.30	3.21
	21	20.15	2.21	13.46	2.58	10.30	2.81	8.36	3.03	7.85	3.19	7.94	3.24	7.58	3.21
	22	19.92	2.26	13.16	2.61	10.10	2.83	8.39	3.04	8.17	3.20	8.36	3.24	7.85	3.22
	24	19.47	2.36	12.55	2.67	9.70	2.87	8.47	3.06	8.81	3.21	9.21	3.25	8.40	3.23
2.8 + 3.2 + 4.0	16	20.68	2.01	14.47	2.46	11.48	2.74	9.53	2.98	8.75	3.11	8.45	3.09	7.61	2.95
	18	20.52	2.08	14.12	2.50	10.99	2.76	8.93	2.99	8.14	3.14	7.98	3.16	7.45	3.07
	20	20.37	2.16	13.76	2.54	10.50	2.78	8.32	3.01	7.53	3.18	7.52	3.23	7.30	3.20
	21	20.15	2.20	13.46	2.57	10.30	2.80	8.36	3.02	7.85	3.18	7.94	3.23	7.58	3.20
	22	19.92	2.25	13.16	2.60	10.10	2.82	8.39	3.03	8.17	3.19	8.36	3.23	7.85	3.20
	24	19.47	2.35	12.55	2.66	9.70	2.86	8.47	3.05	8.81	3.19	9.21	3.24	8.40	3.21

Combination (Capacity)	Indoor Air Temp. °C DB	Outdoor Air Temp. °C WB													
		15		10		6		0		-5		-10		-15	
		Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power	Total Q	Input Power
2.8 + 3.2 + 5.0	16	20.87	1.93	14.61	2.36	11.59	2.63	9.62	2.86	8.83	2.99	8.53	2.97	7.68	2.83
	18	20.72	2.00	14.25	2.40	11.10	2.65	9.01	2.88	8.22	3.02	8.06	3.03	7.52	2.95
	20	20.56	2.07	13.90	2.44	10.60	2.67	8.40	2.89	7.60	3.05	7.59	3.10	7.37	3.07
	21	20.34	2.12	13.59	2.47	10.40	2.69	8.44	2.90	7.93	3.06	8.01	3.10	7.65	3.07
	22	20.11	2.16	13.28	2.50	10.20	2.71	8.47	2.91	8.25	3.06	8.44	3.11	7.93	3.08
	24	19.66	2.26	12.67	2.56	9.79	2.75	8.55	2.93	8.90	3.07	9.29	3.11	8.48	3.09
2.8 + 4.0 + 4.0	16	20.68	2.00	14.47	2.45	11.48	2.73	9.53	2.97	8.75	3.10	8.45	3.08	7.61	2.94
	18	20.52	2.07	14.12	2.49	10.99	2.75	8.93	2.98	8.14	3.13	7.98	3.15	7.45	3.06
	20	20.37	2.15	13.76	2.53	10.50	2.77	8.32	3.00	7.53	3.17	7.52	3.22	7.30	3.18
	21	20.15	2.20	13.46	2.56	10.30	2.79	8.36	3.01	7.85	3.17	7.94	3.22	7.58	3.19
	22	19.92	2.24	13.16	2.59	10.10	2.81	8.39	3.02	8.17	3.18	8.36	3.22	7.85	3.19
	24	19.47	2.34	12.55	2.65	9.70	2.85	8.47	3.04	8.81	3.18	9.21	3.23	8.40	3.20
3.2 + 3.2 + 3.2	16	20.68	1.99	14.47	2.44	11.48	2.72	9.53	2.96	8.75	3.09	8.45	3.07	7.61	2.93
	18	20.52	2.07	14.12	2.48	10.99	2.74	8.93	2.97	8.14	3.12	7.98	3.14	7.45	3.05
	20	20.37	2.14	13.76	2.52	10.50	2.76	8.32	2.99	7.53	3.16	7.52	3.21	7.30	3.17
	21	20.15	2.19	13.46	2.55	10.30	2.78	8.36	3.00	7.85	3.16	7.94	3.21	7.58	3.18
	22	19.92	2.24	13.16	2.58	10.10	2.80	8.39	3.01	8.17	3.16	8.36	3.21	7.85	3.18
	24	19.47	2.33	12.55	2.64	9.70	2.84	8.47	3.03	8.81	3.17	9.21	3.21	8.40	3.19
3.2 + 3.2 + 4.0	16	20.68	1.95	14.47	2.40	11.48	2.67	9.53	2.90	8.75	3.03	8.45	3.01	7.61	2.87
	18	20.52	2.03	14.12	2.44	10.99	2.69	8.93	2.92	8.14	3.07	7.98	3.08	7.45	2.99
	20	20.37	2.10	13.76	2.47	10.50	2.71	8.32	2.93	7.53	3.10	7.52	3.15	7.30	3.12
	21	20.15	2.15	13.46	2.50	10.30	2.73	8.36	2.95	7.85	3.10	7.94	3.15	7.58	3.12
	22	19.92	2.20	13.16	2.53	10.10	2.75	8.39	2.96	8.17	3.11	8.36	3.15	7.85	3.12
	24	19.47	2.29	12.55	2.59	9.70	2.79	8.47	2.98	8.81	3.11	9.21	3.16	8.40	3.13

18. Service Data

Service Data provided are based on the air conditioner running under rated frequency during forced cooling / forced heating mode.

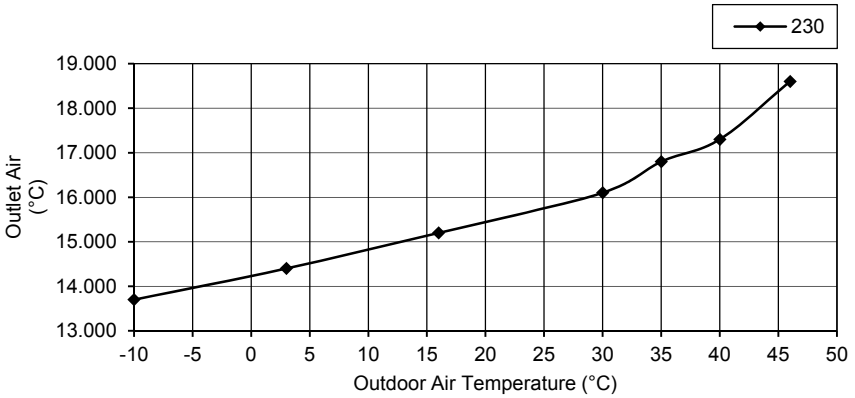
18.1 Operation Characteristics (CU-2E12SBE)

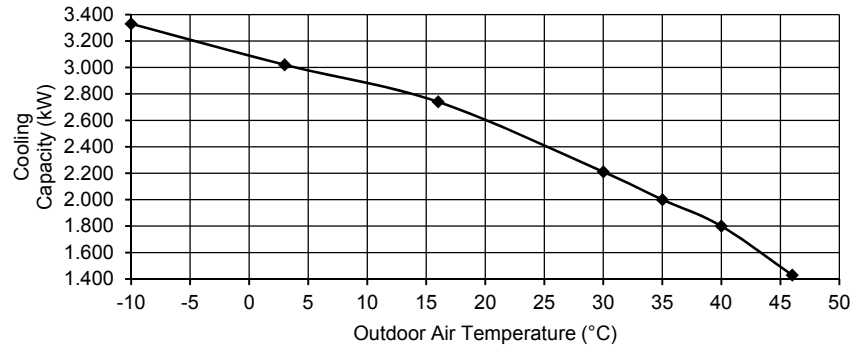
18.1.1 One Indoor Unit Operation

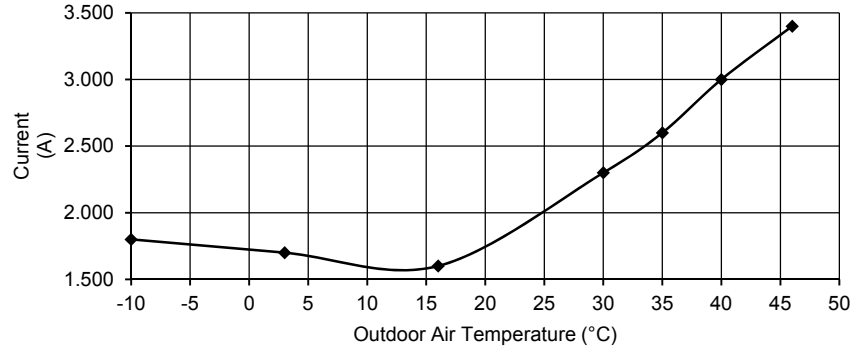
- Cooling Characteristic

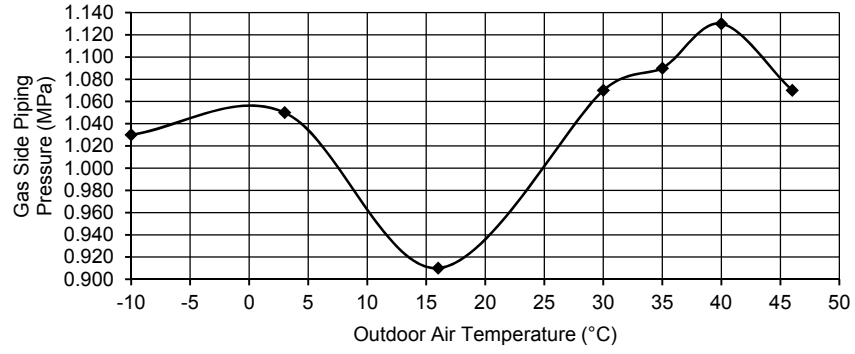
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Cooling (2.0), CS-E7QKEW





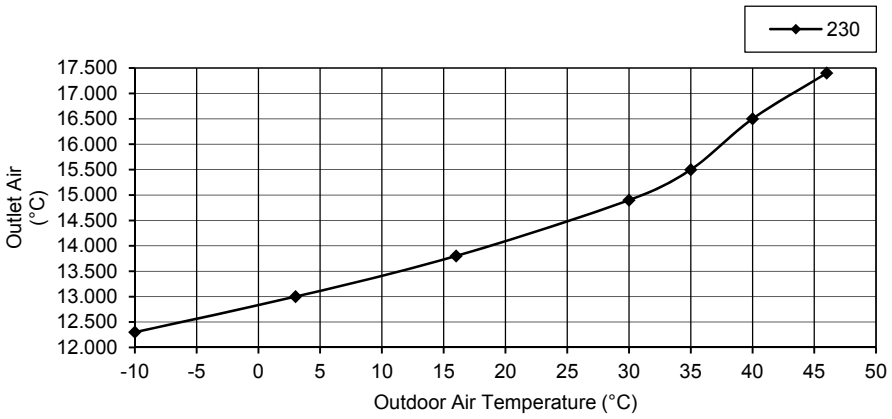


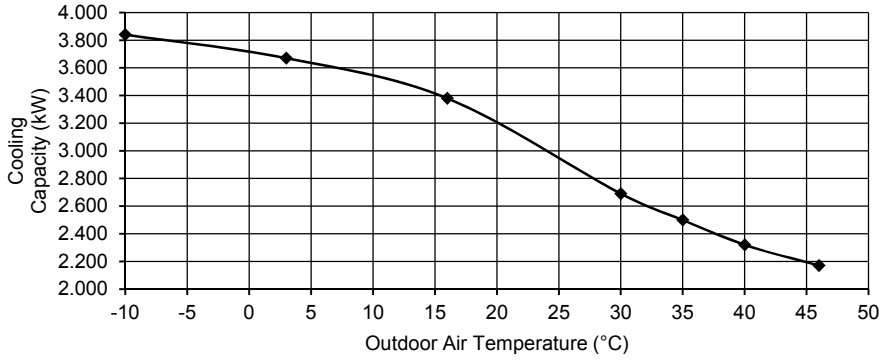


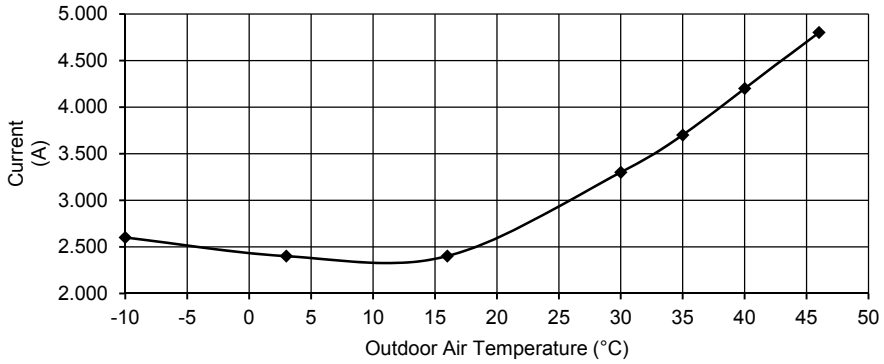
- Cooling Characteristic

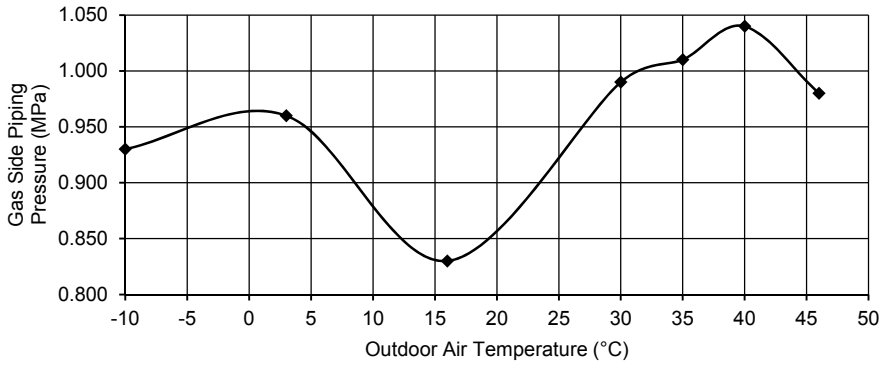
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Cooling (2.5), CS-E9QKEW





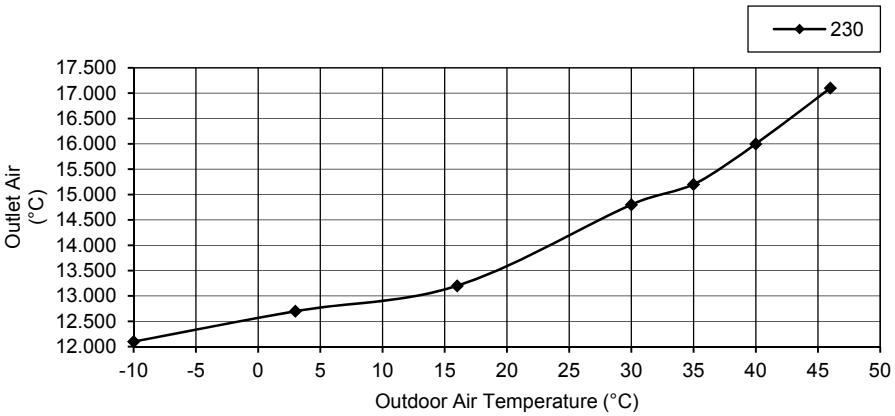


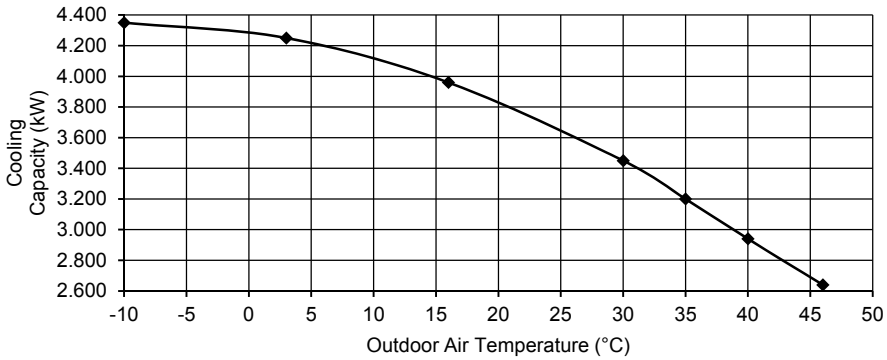


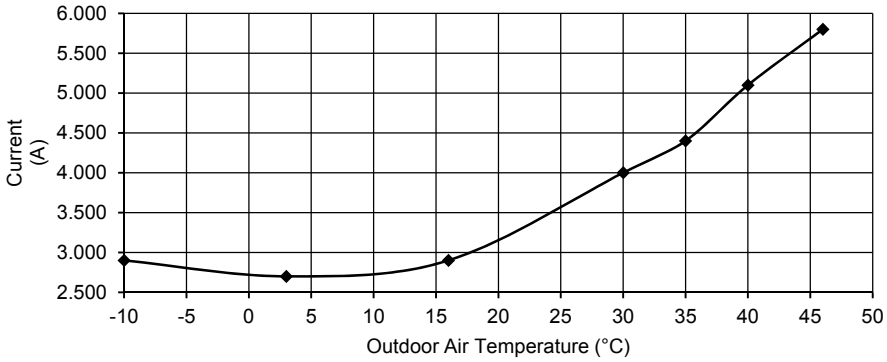
- Cooling Characteristic

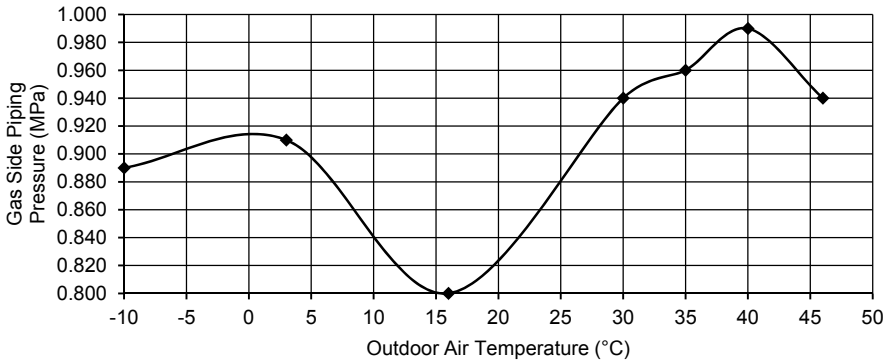
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Cooling (3.2), CS-E12QKEW





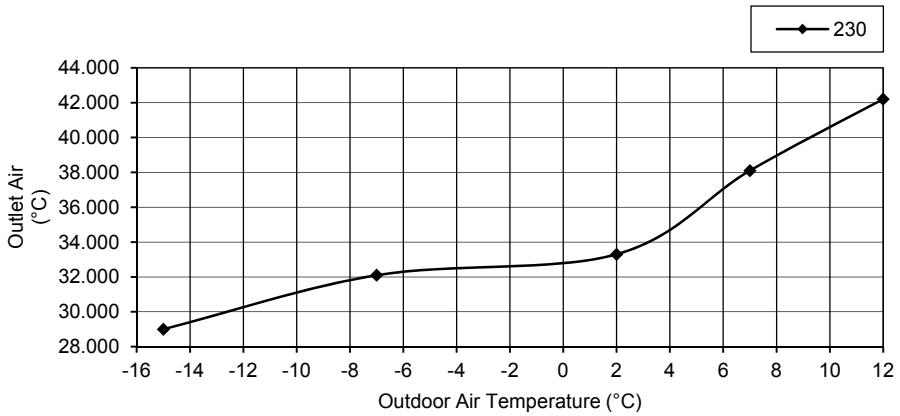


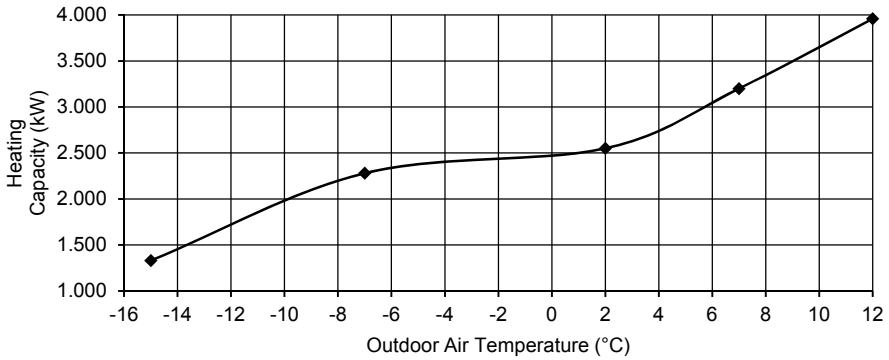


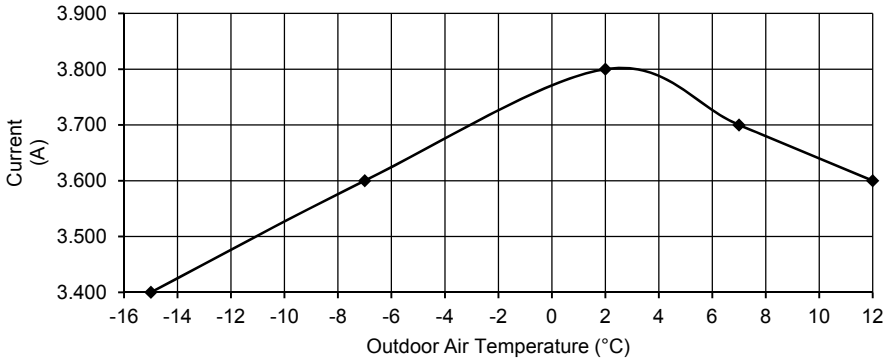
- Heating Characteristic

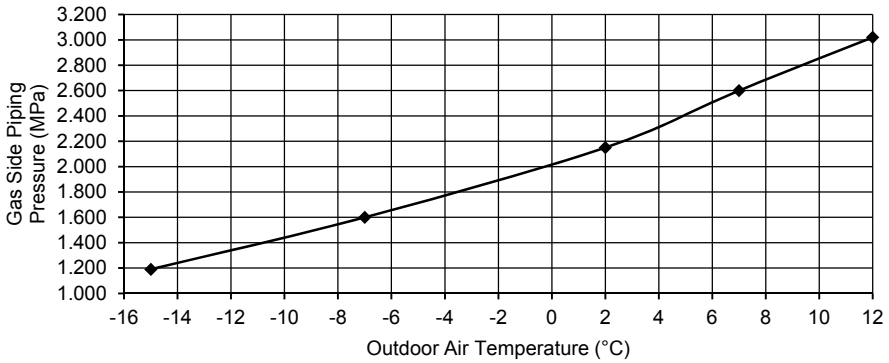
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0), CS-E7QKEW







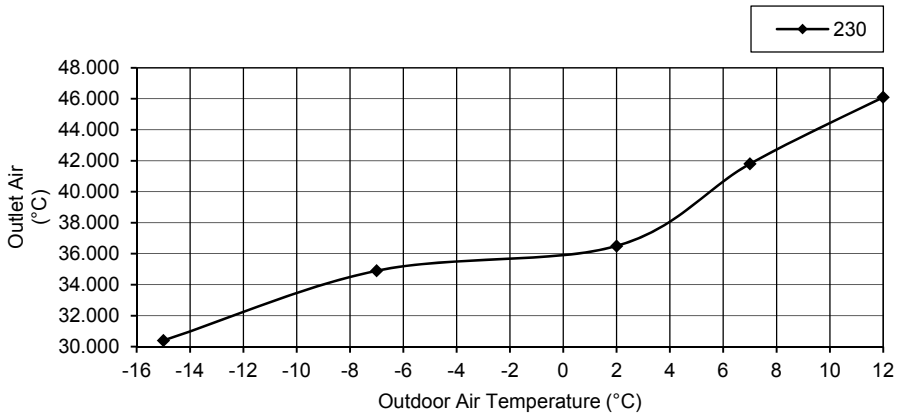


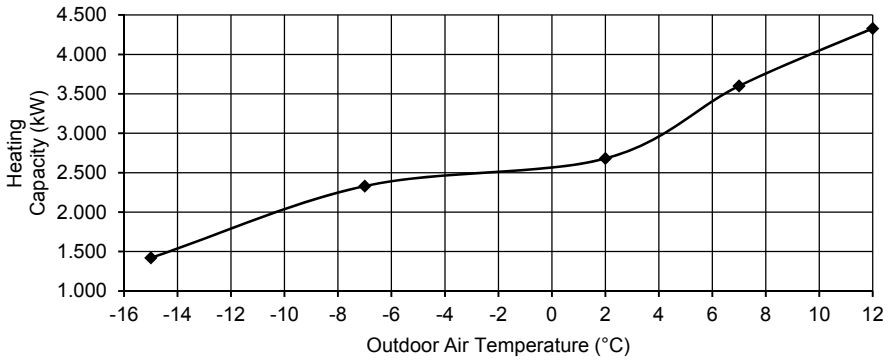
7°C & 12°C (Outdoor Air Temp.) = Heating Overload Protection activated

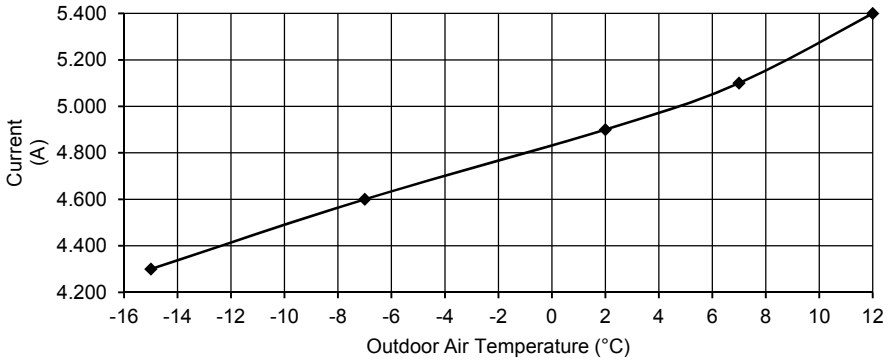
- Heating Characteristic

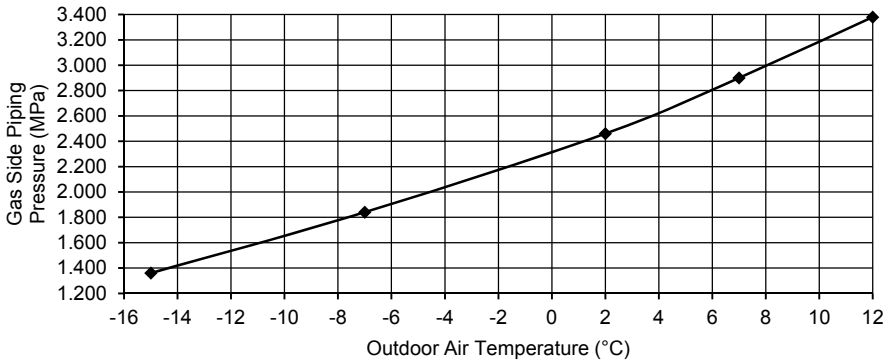
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5), CS-E9QKEW





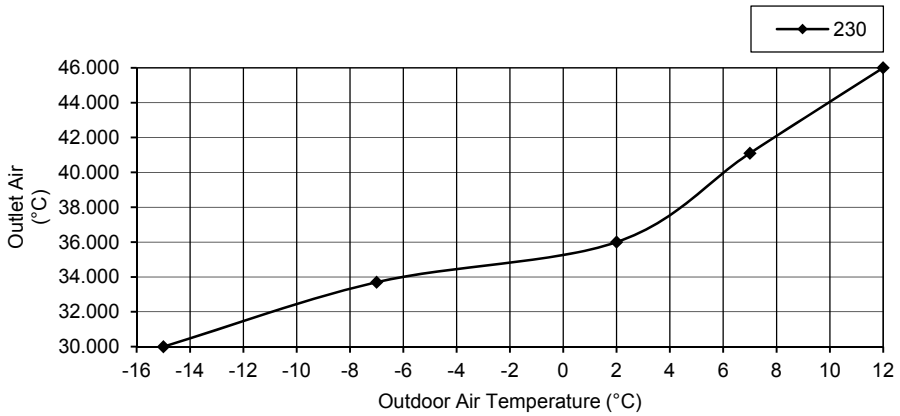


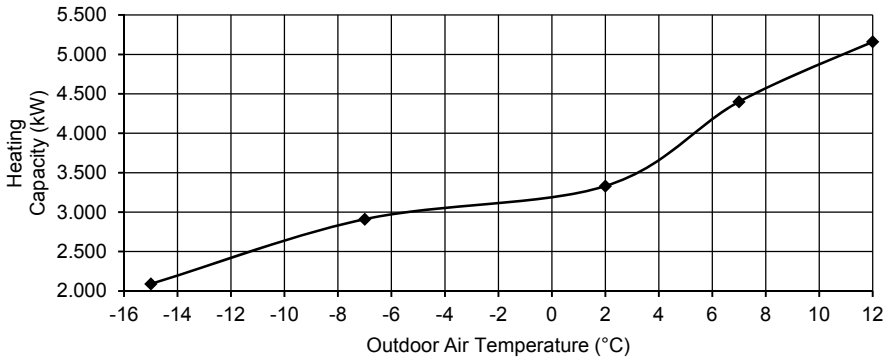


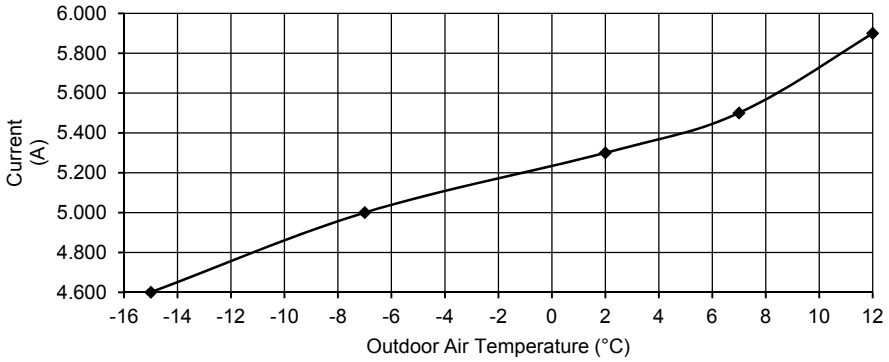
- Heating Characteristic

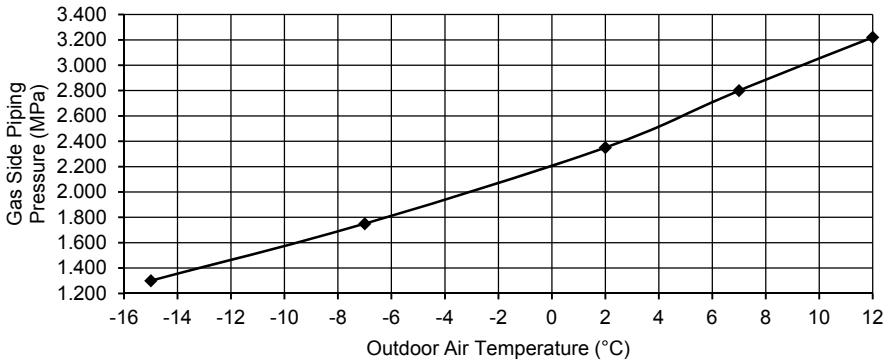
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Heating (3.2), CS-E12QKEW







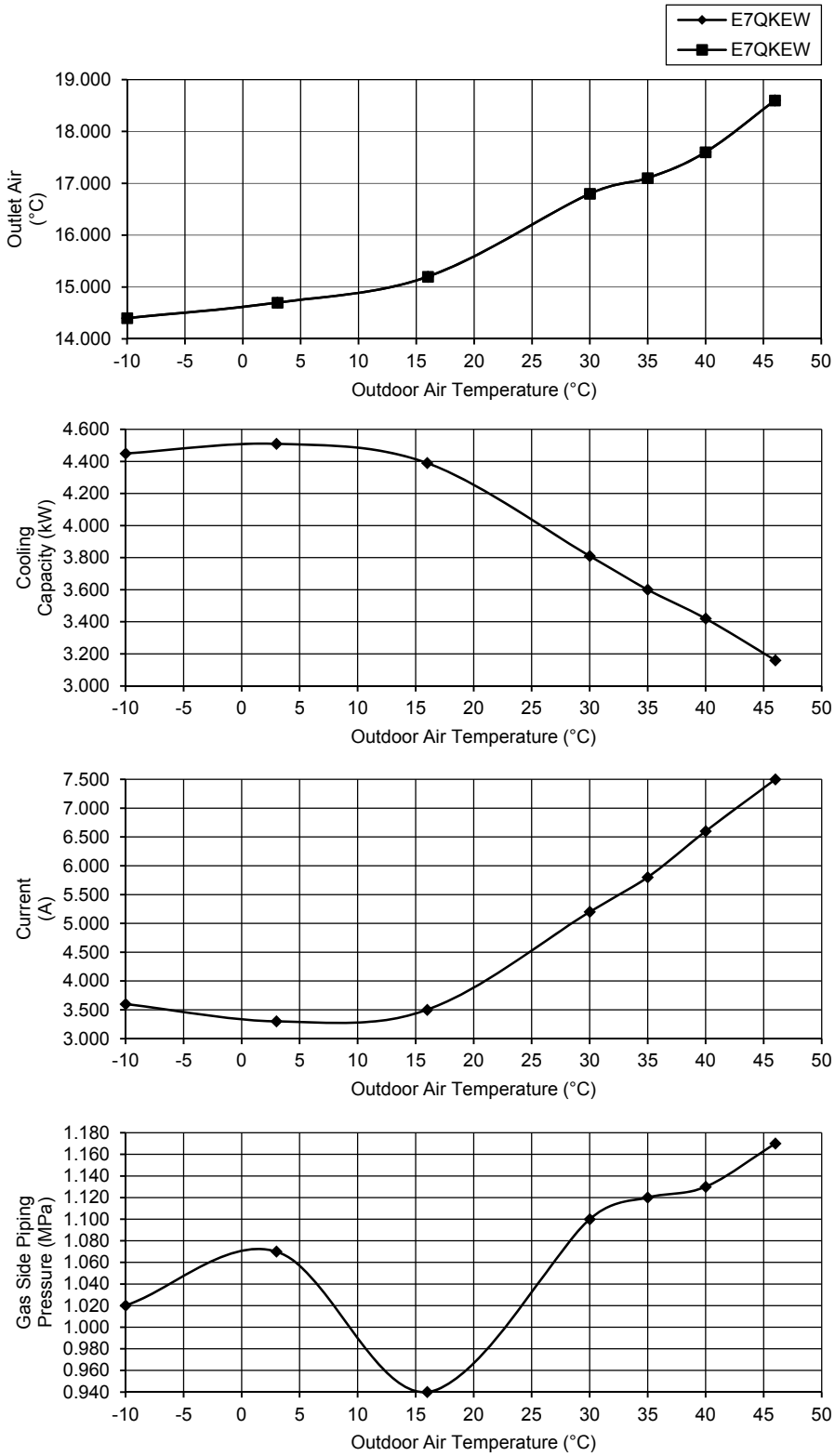


18.1.2 Two Indoor Unit Operation

- Cooling Characteristic

[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

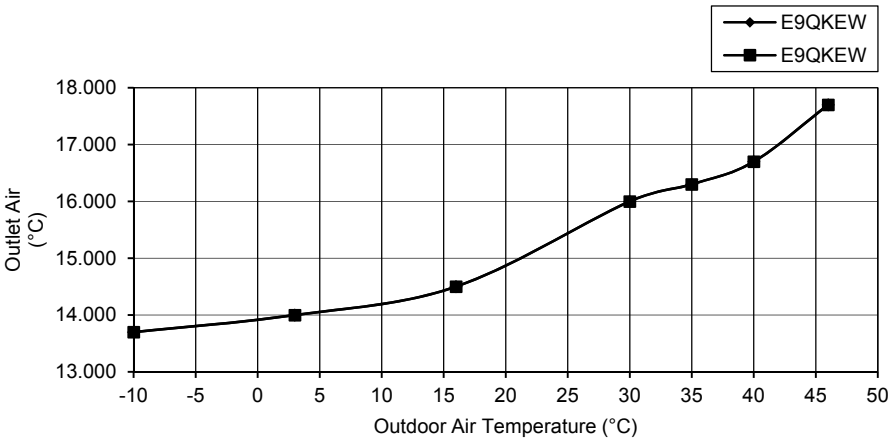
A) Indoor unit capacity: Cooling (2.0 + 2.0), CS-E7QKEW + CS-E7QKEW

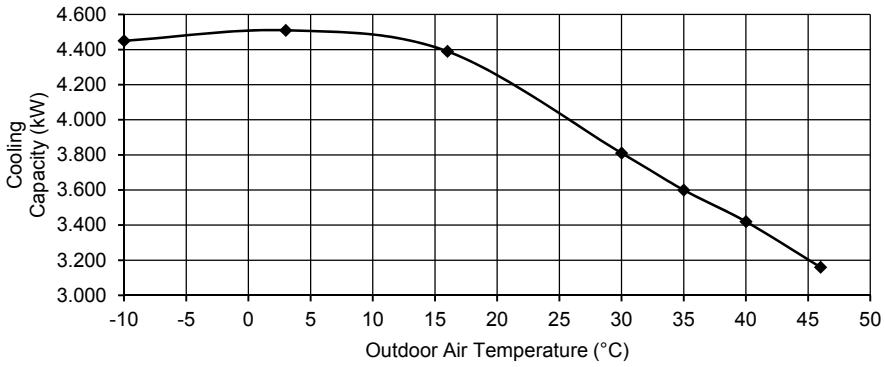


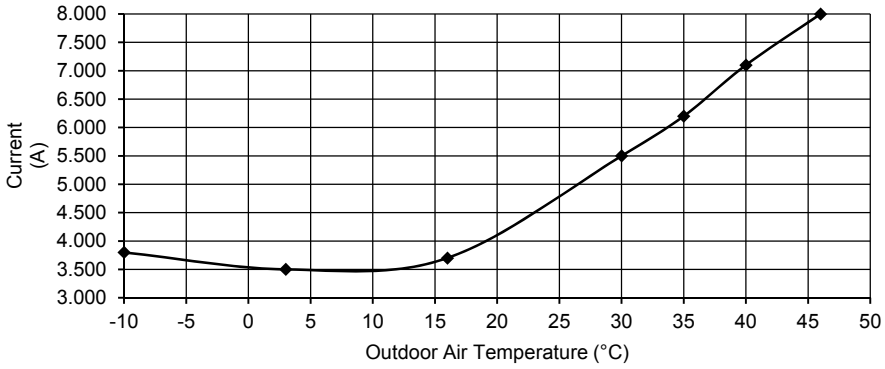
- Cooling Characteristic

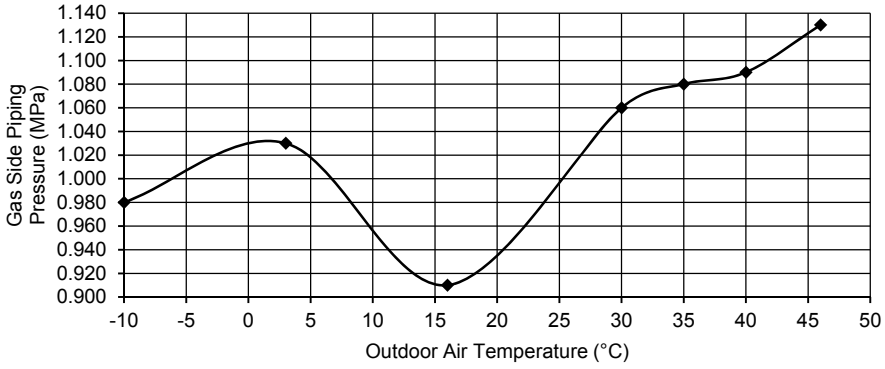
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Cooling (2.5 + 2.5), CS-E9QKEW + CS-E9QKEW





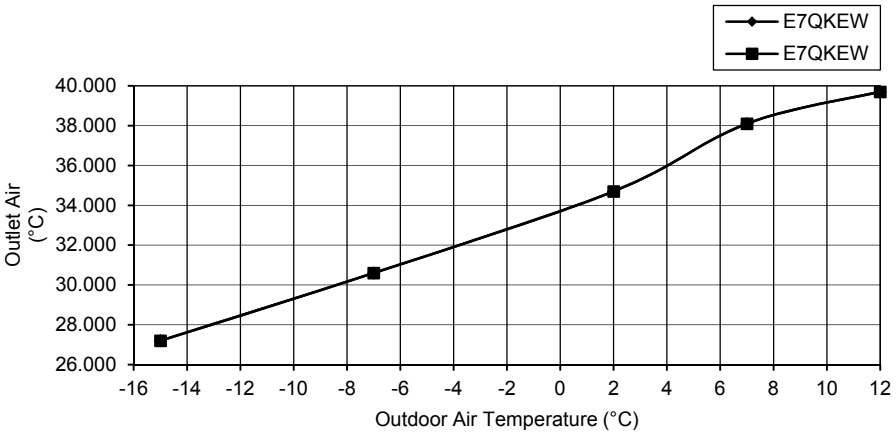


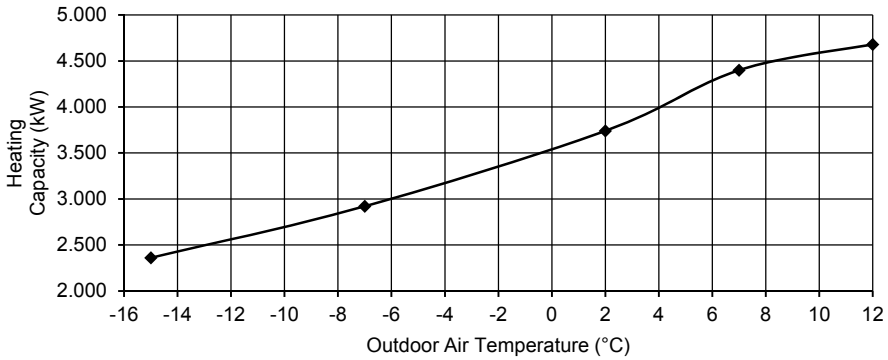


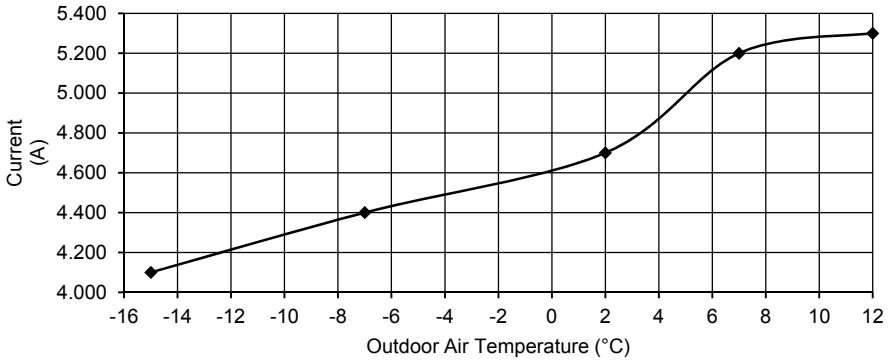
- Heating Characteristic

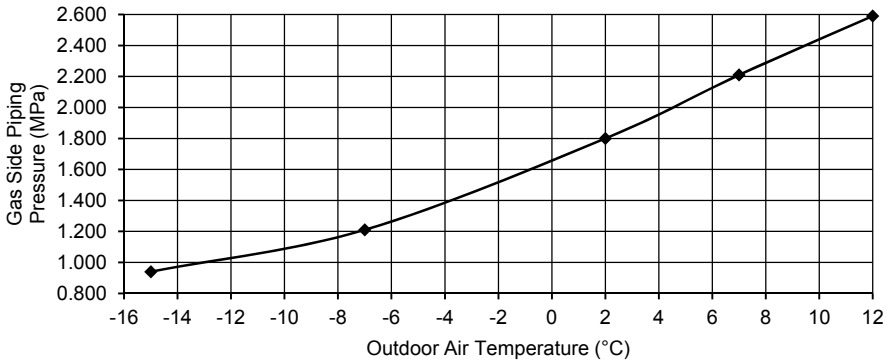
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.0), CS-E7QKEW + CS-E7QKEW





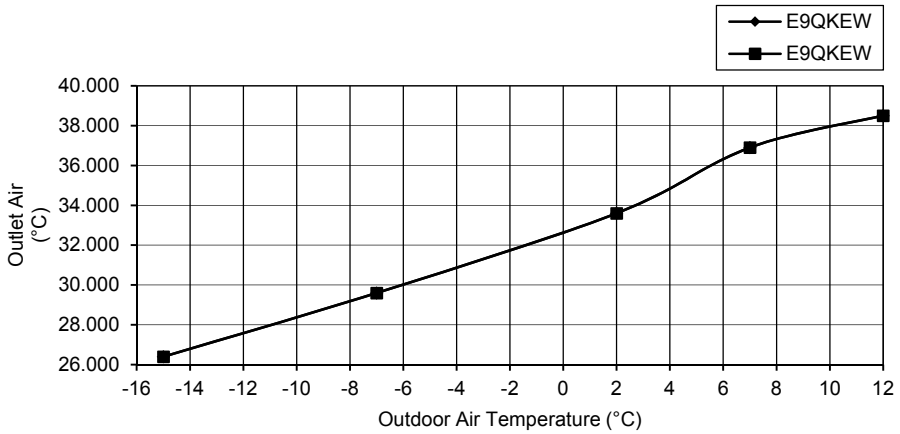


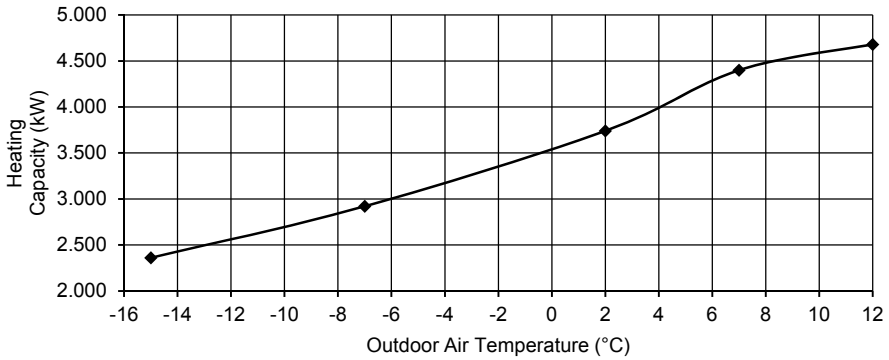


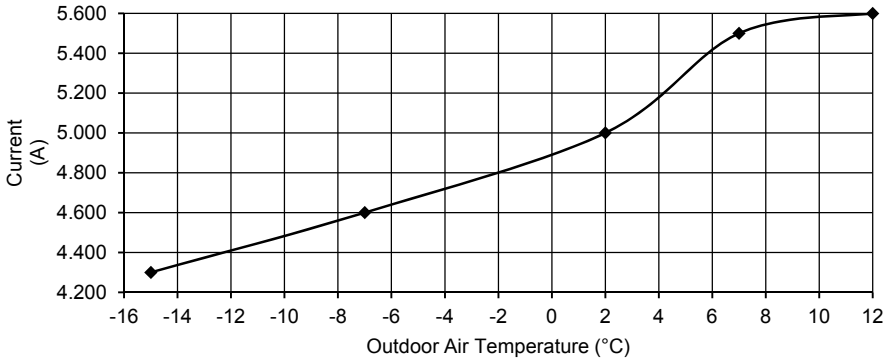
- Heating Characteristic

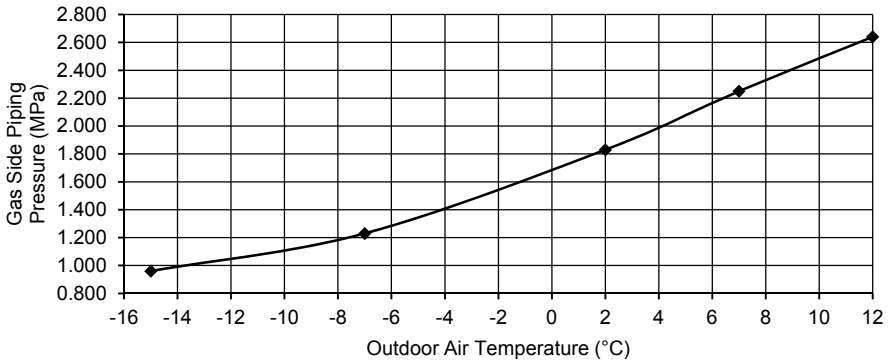
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5 + 2.5), CS-E9QKEW + CS-E9QKEW









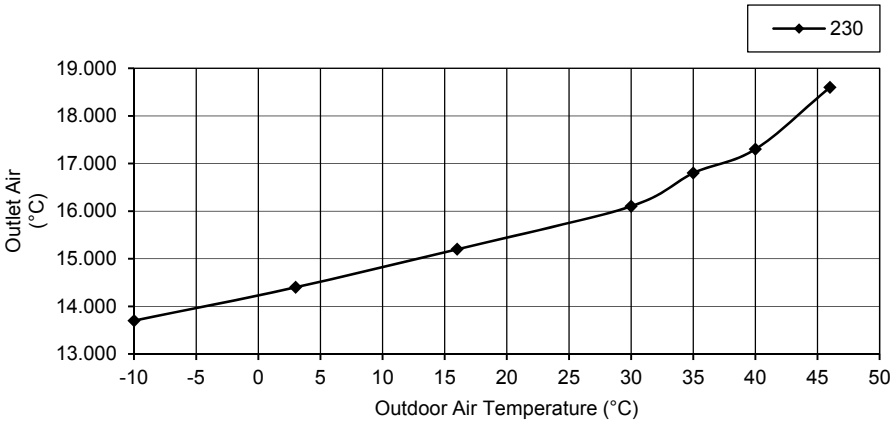
18.2 Operation Characteristics (CU-2E15SBE)

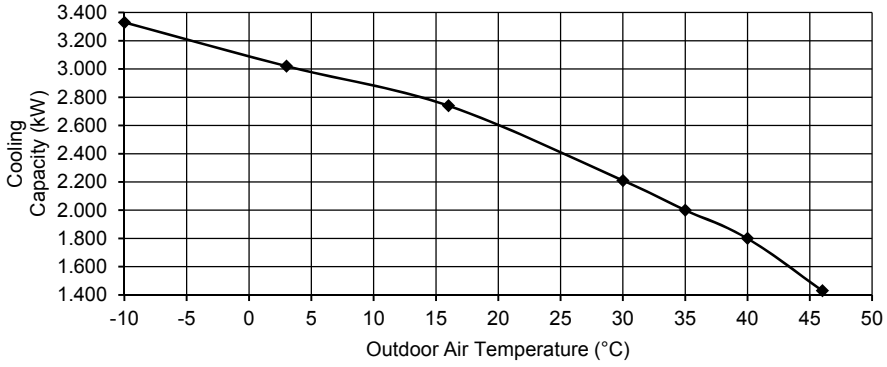
18.2.1 One Indoor Unit Operation

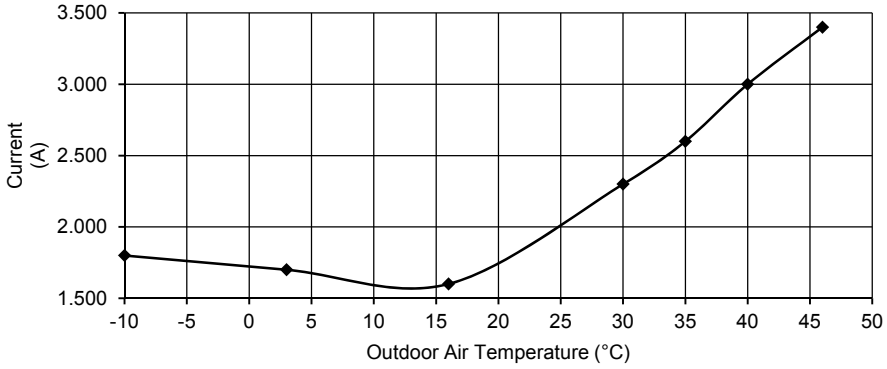
- Cooling Characteristic

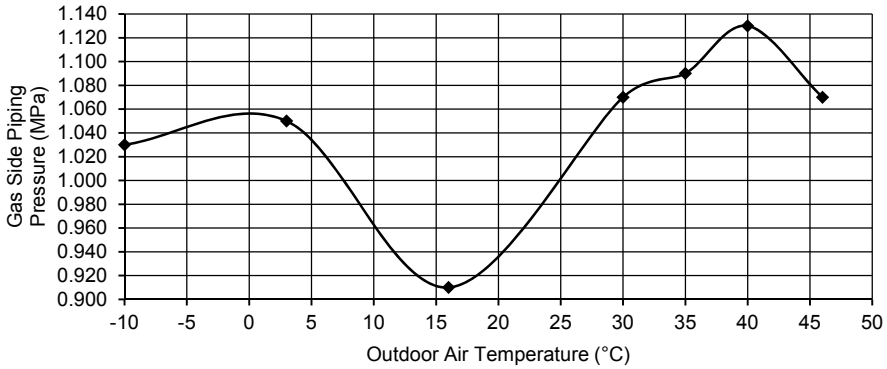
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Cooling (2.0), CS-E7QKEW





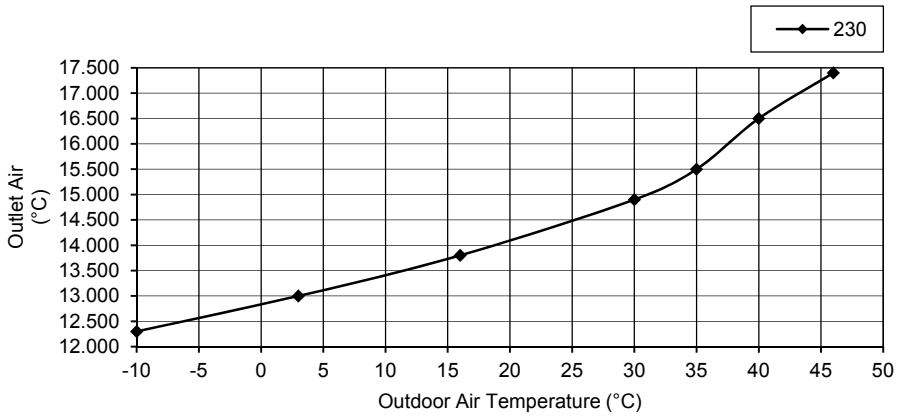


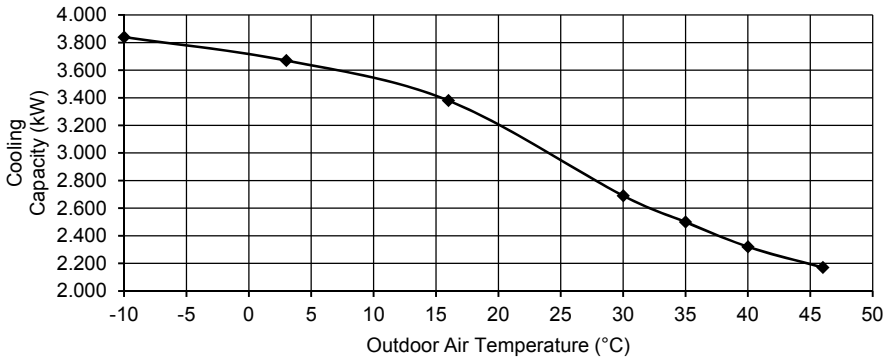


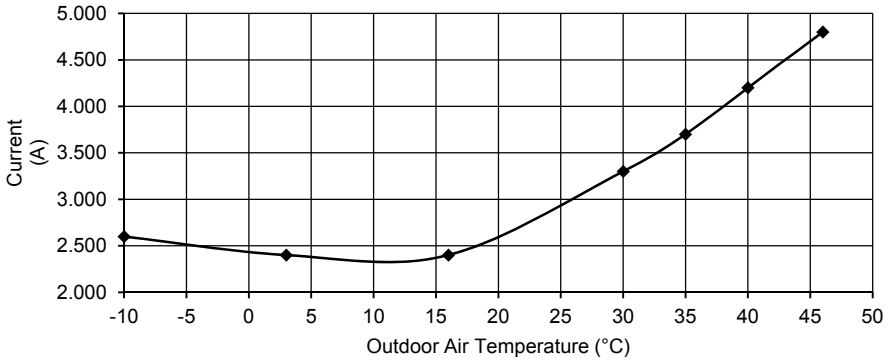
- Cooling Characteristic

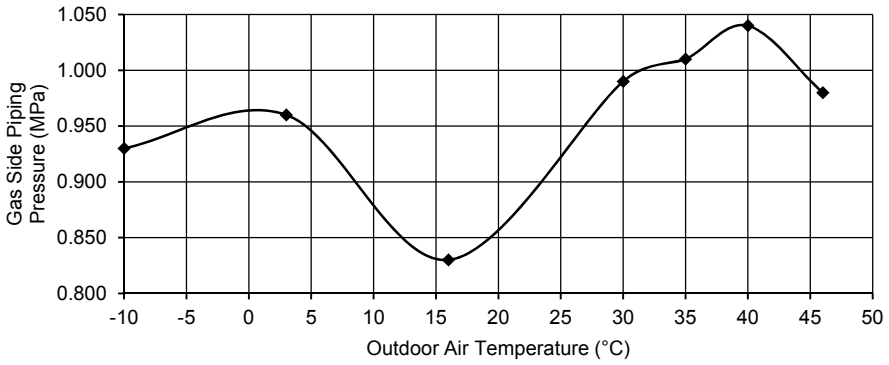
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Cooling (2.5), CS-E9QKEW





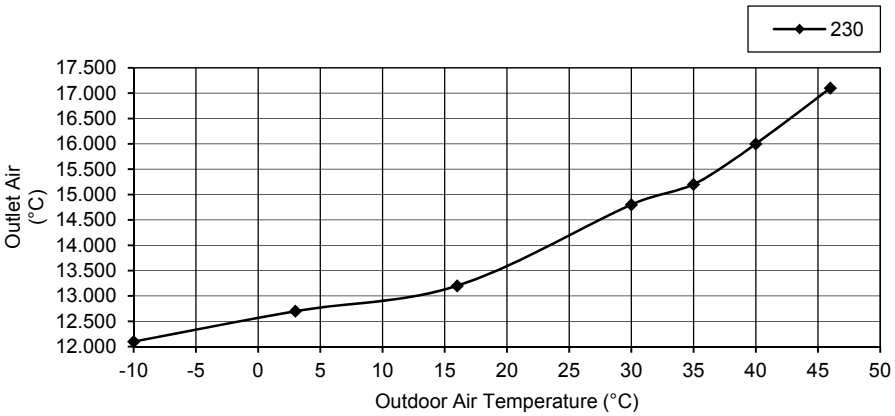


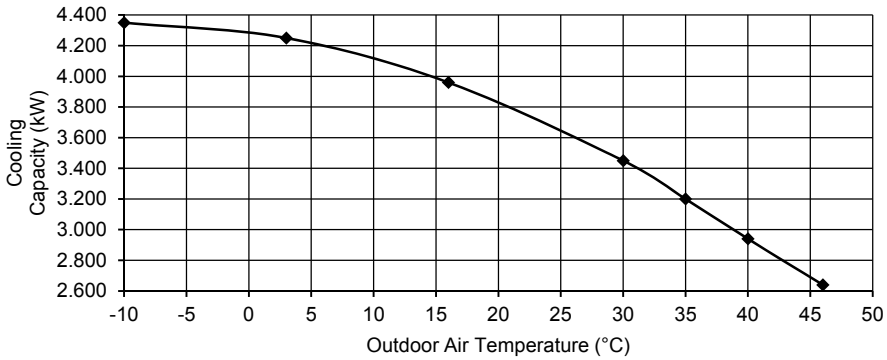


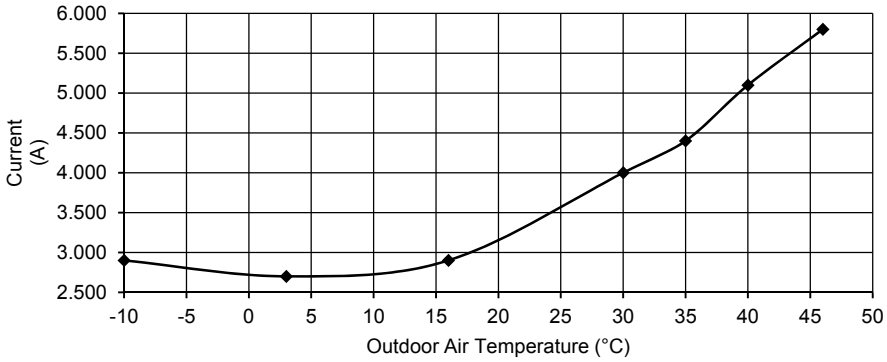
- Cooling Characteristic

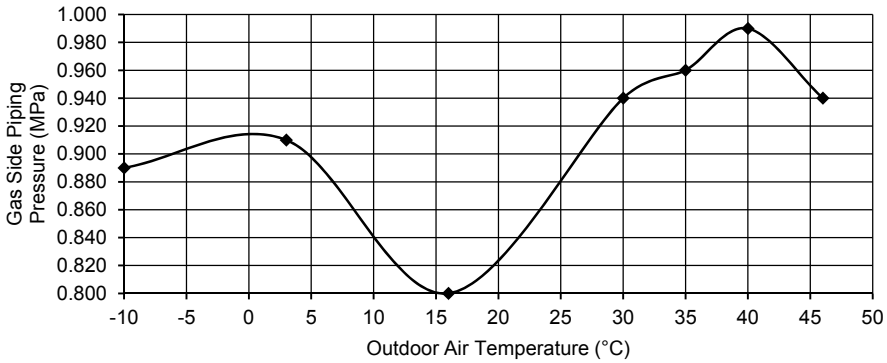
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Cooling (3.2), CS-E12QKEW





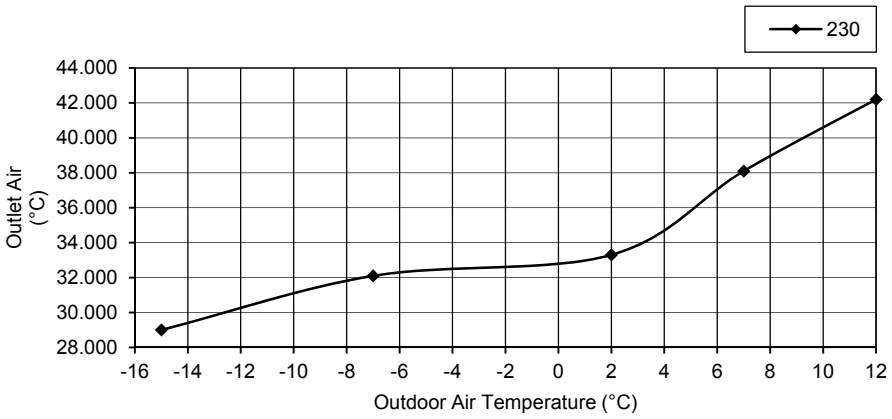


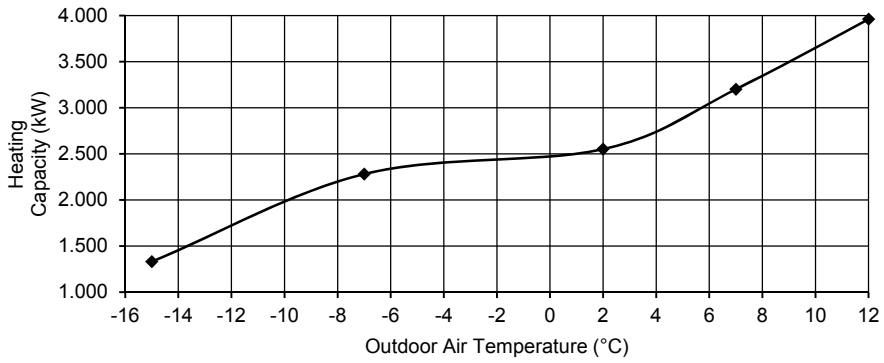


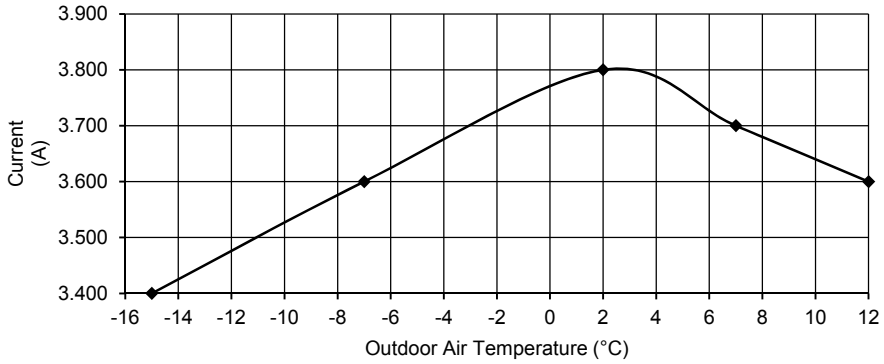
- Heating Characteristic

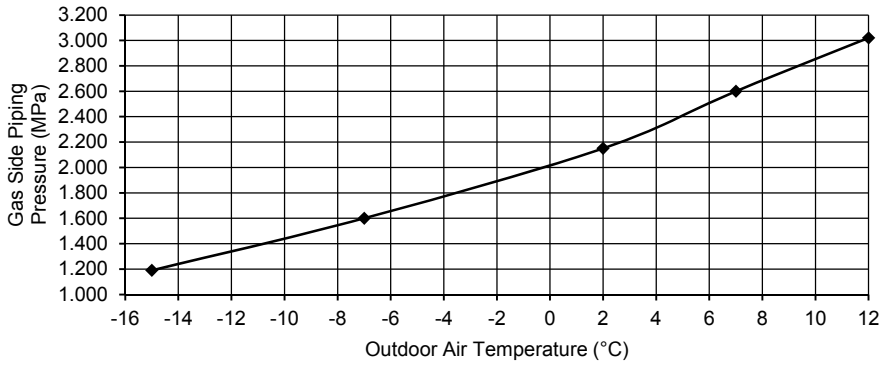
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0), CS-E7QKEW







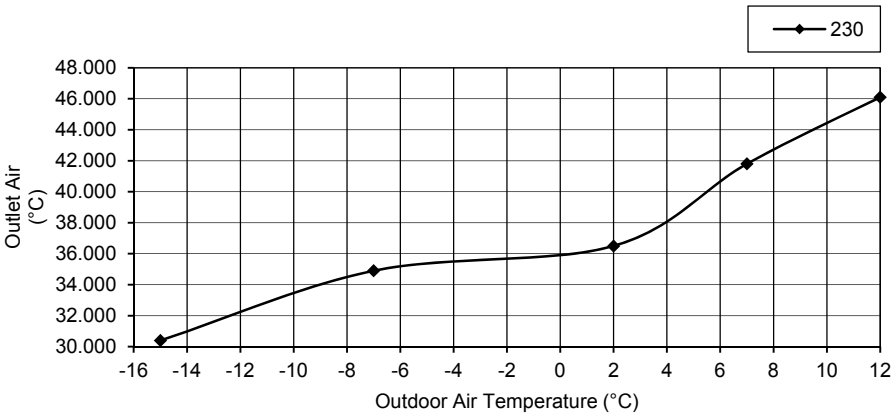


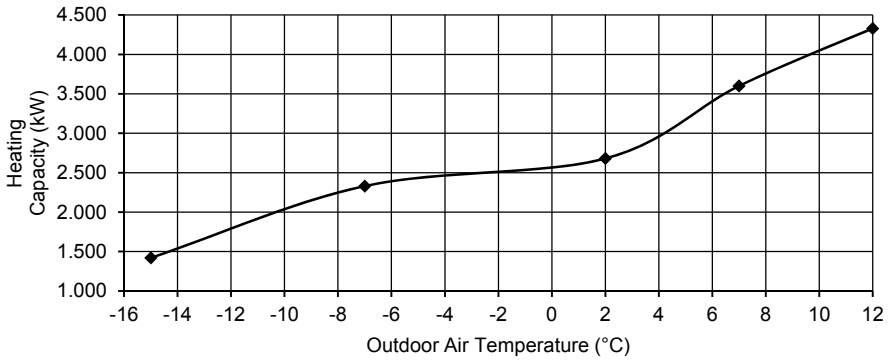
7°C & 12°C (Outdoor Air Temp.) = Heating Overload Protection activated

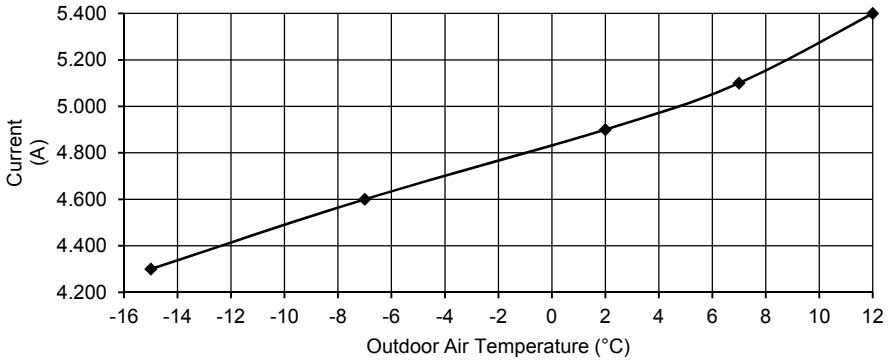
- Heating Characteristic

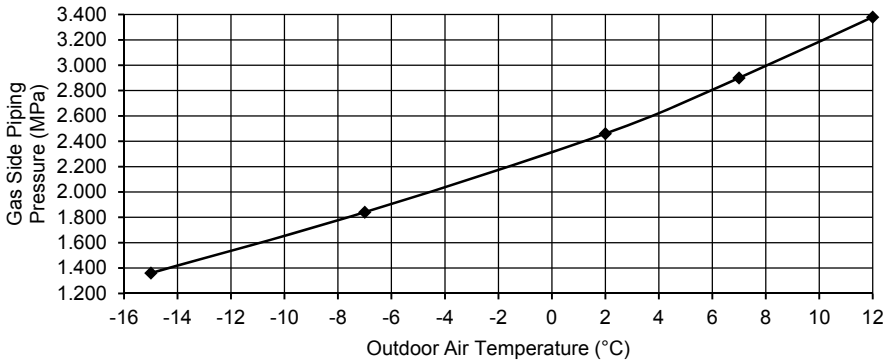
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5), CS-E9QKEW





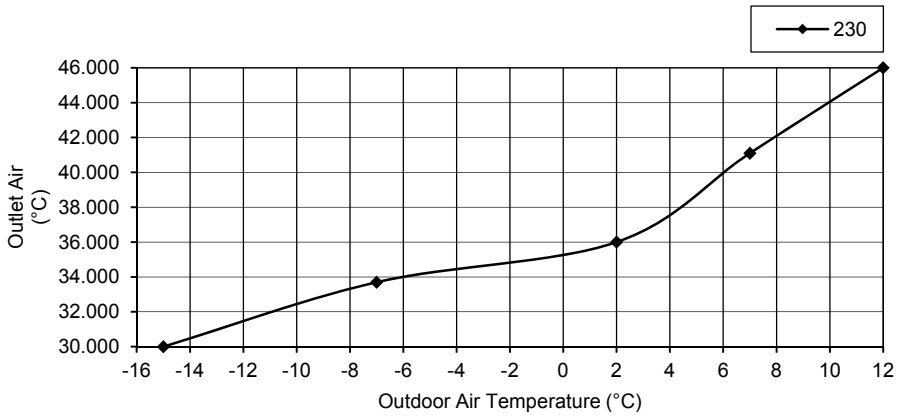


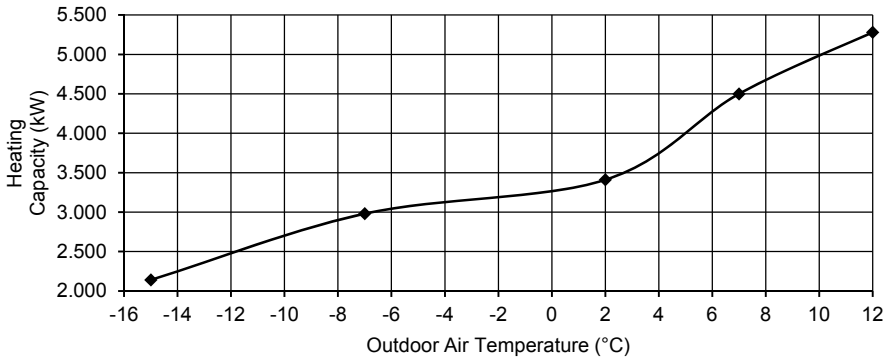


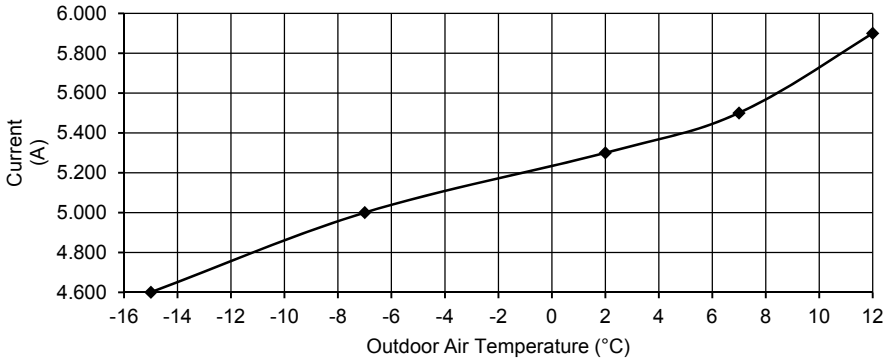
- Heating Characteristic

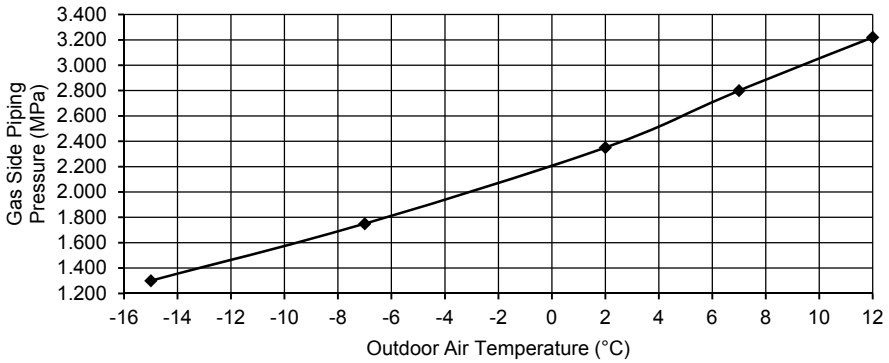
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Heating (3.2), CS-E12QKEW







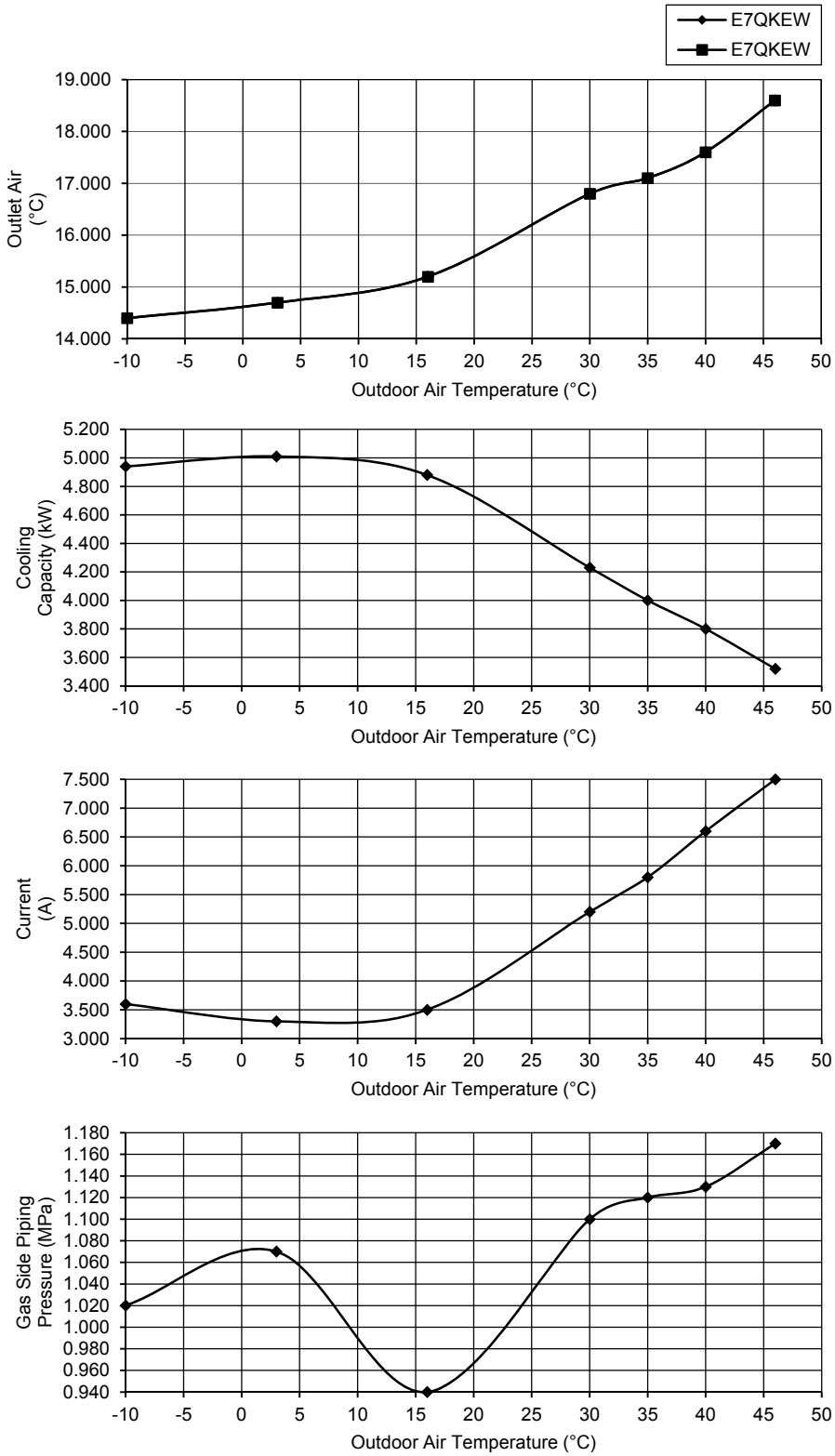


18.2.2 Two Indoor Unit Operation

- Cooling Characteristic

[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

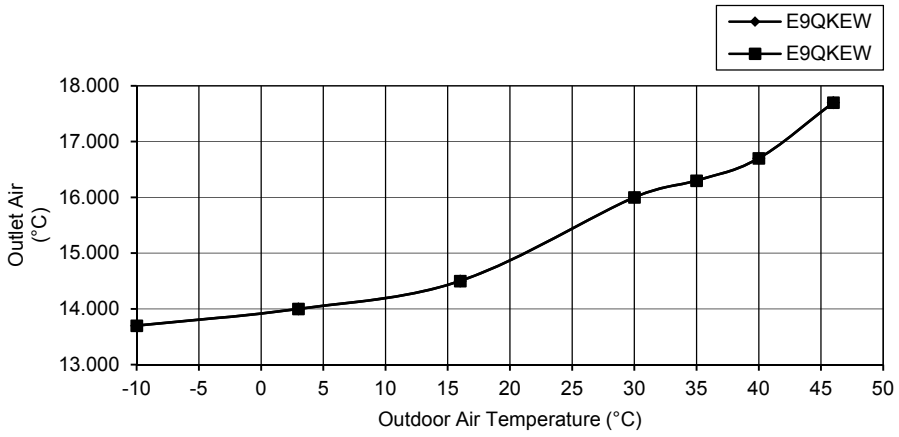
A) Indoor unit capacity: Cooling (2.0 + 2.0), CS-E7QKEW + CS-E7QKEW

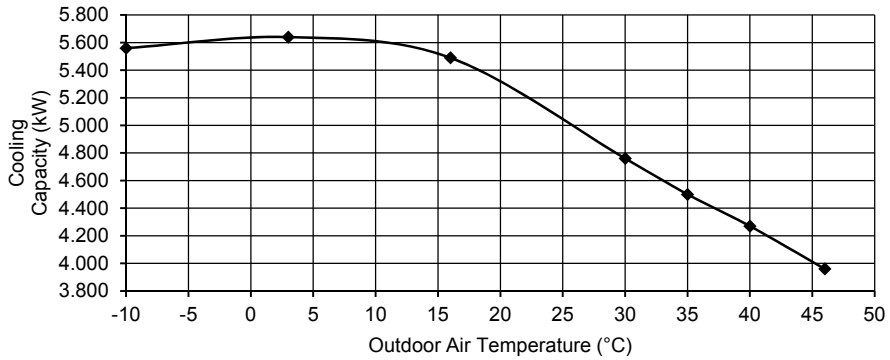


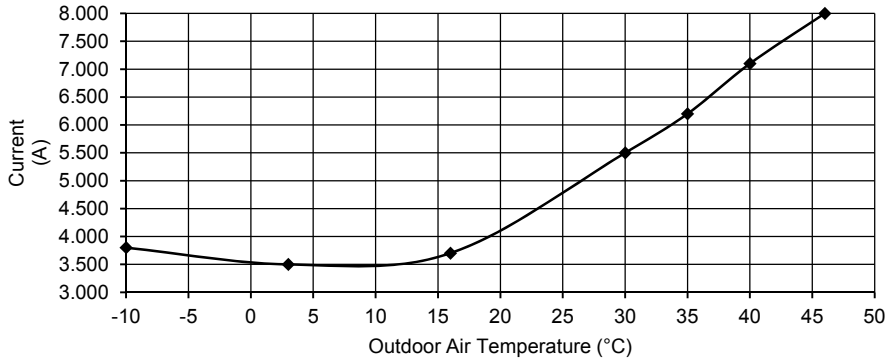
- Cooling Characteristic

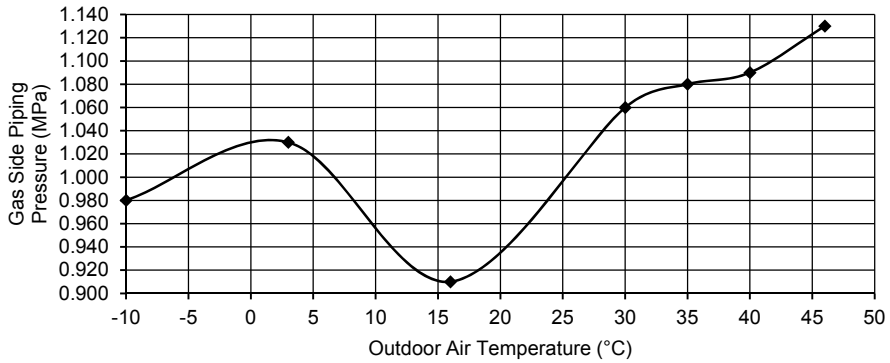
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Cooling (2.5 + 2.5), CS-E9QKEW + CS-E9QKEW





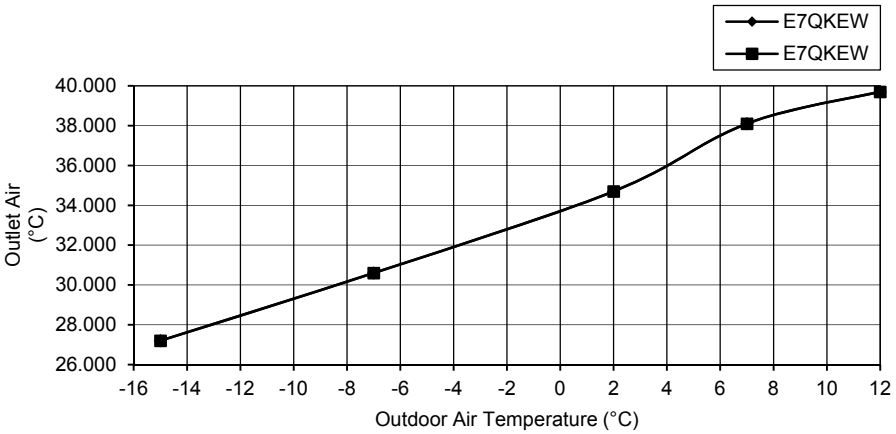


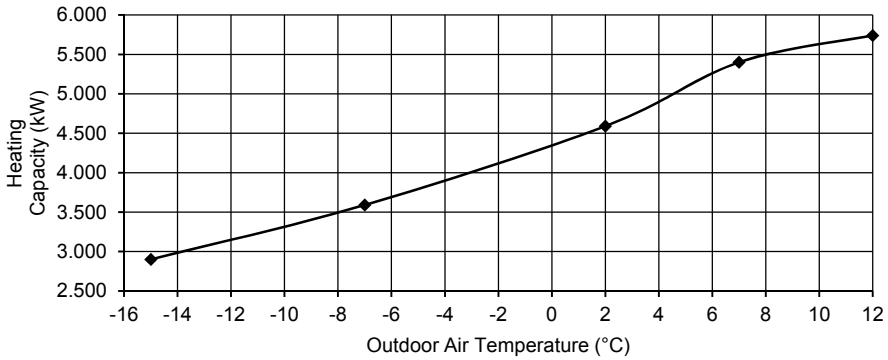


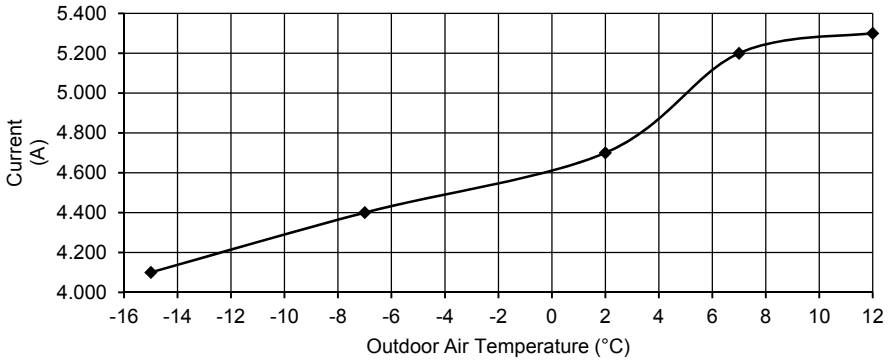
- Heating Characteristic

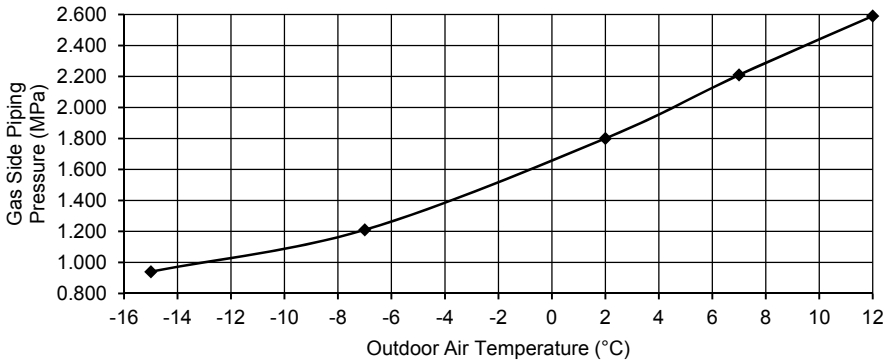
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.0), CS-E7QKEW + CS-E7QKEW





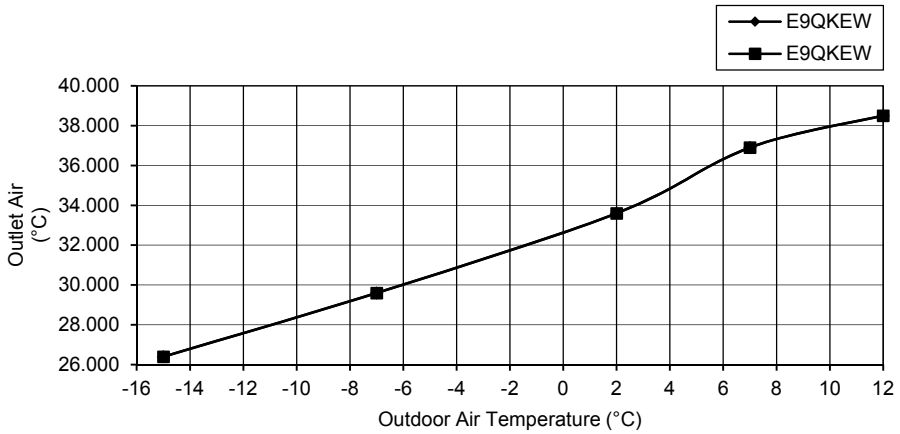


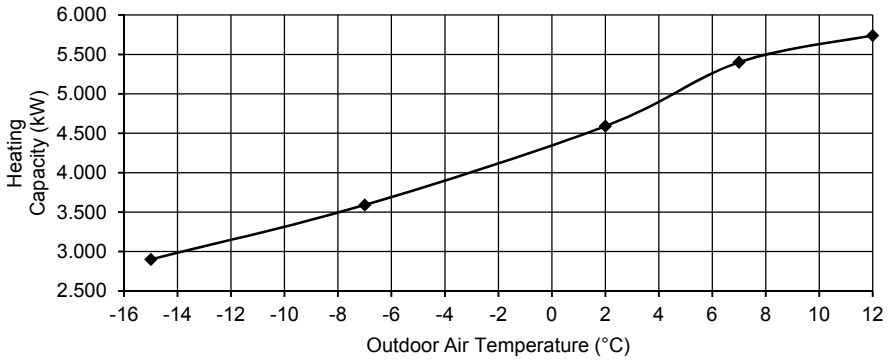


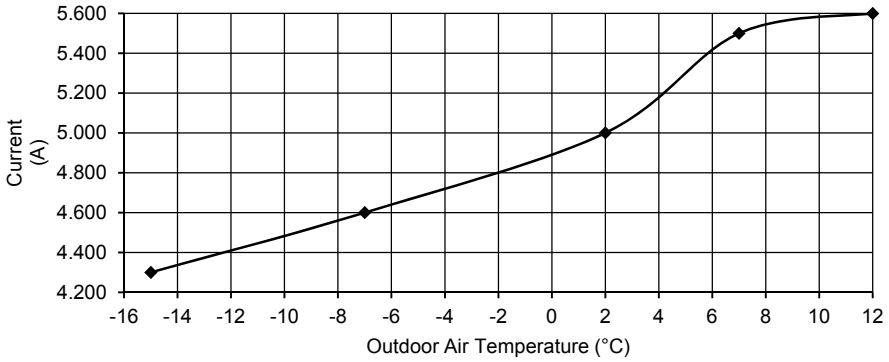
- Heating Characteristic

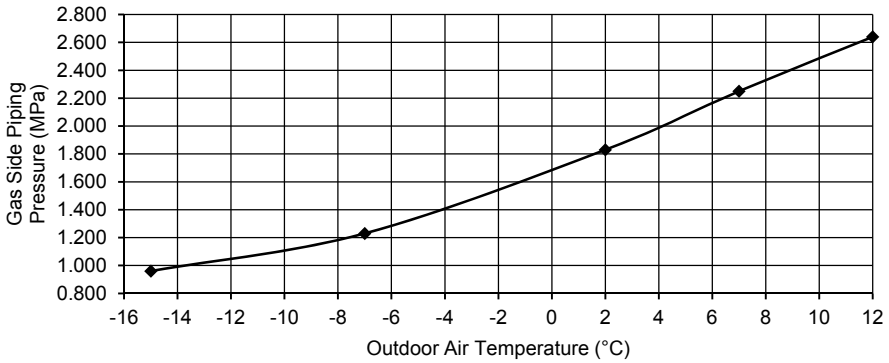
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5 + 2.5), CS-E9QKEW + CS-E9QKEW









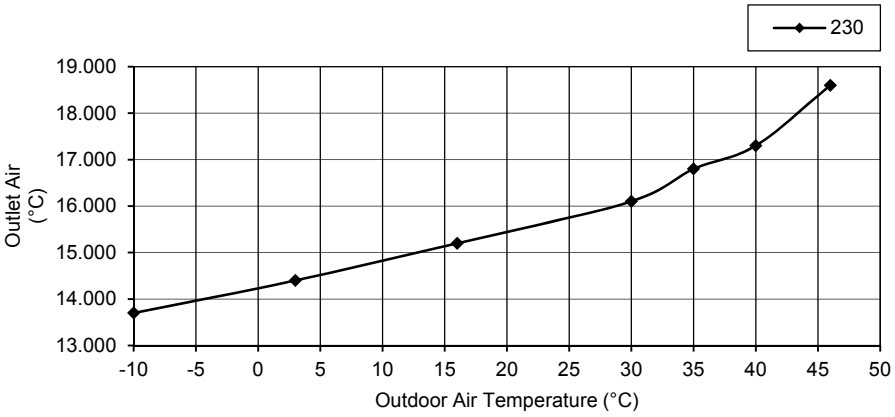
18.3 Operation Characteristics (CU-2E18SBE)

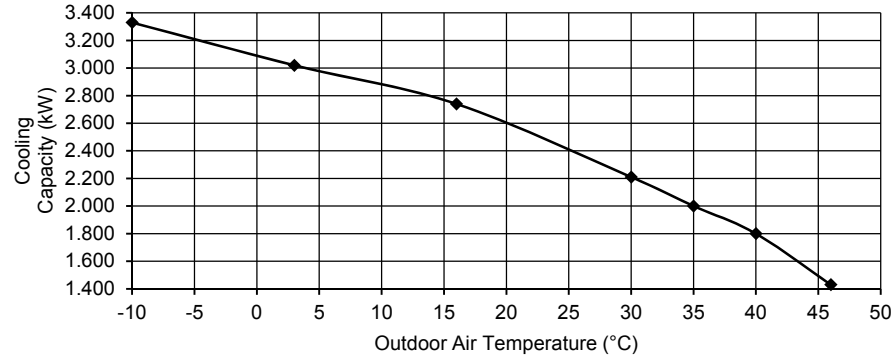
18.3.1 One Indoor Unit Operation

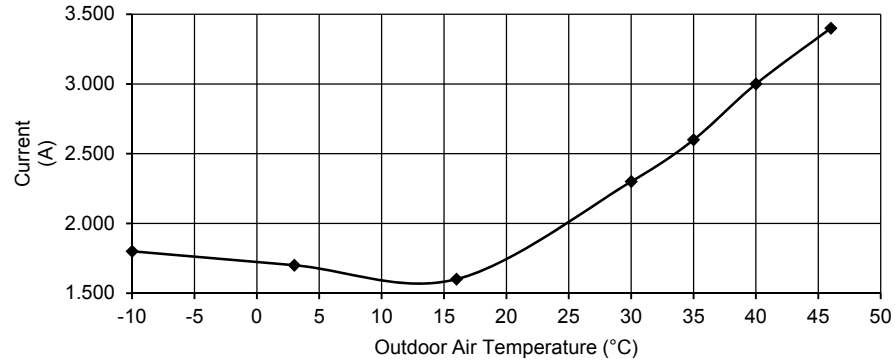
- Cooling Characteristic

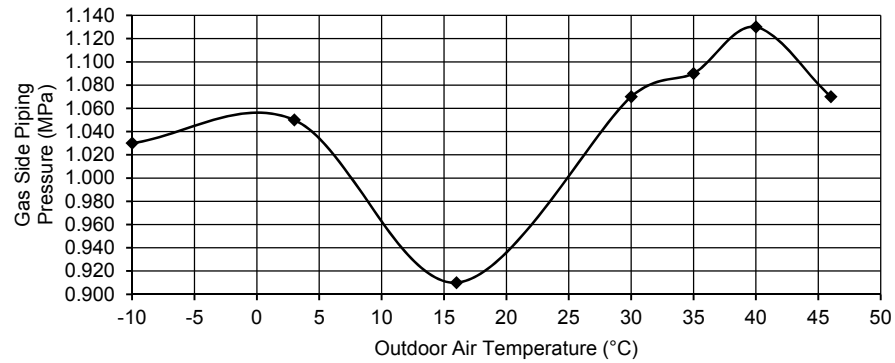
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Cooling (2.0), CS-E7QKEW





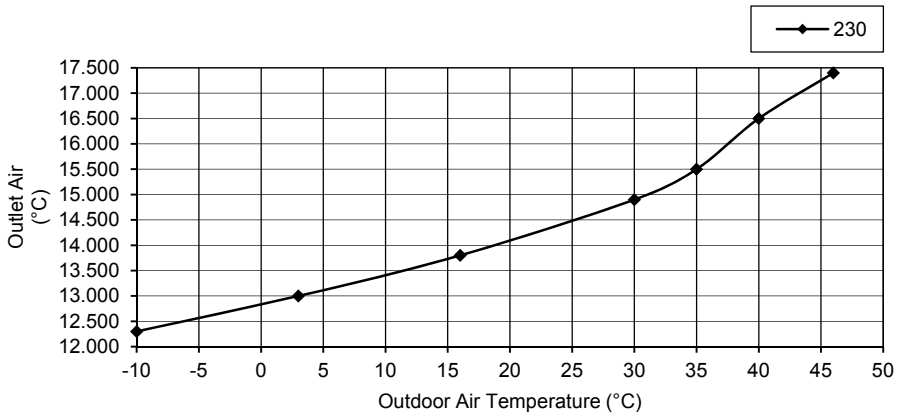


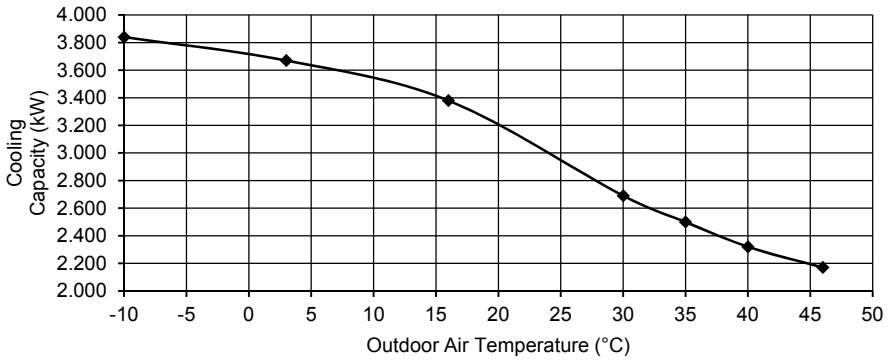


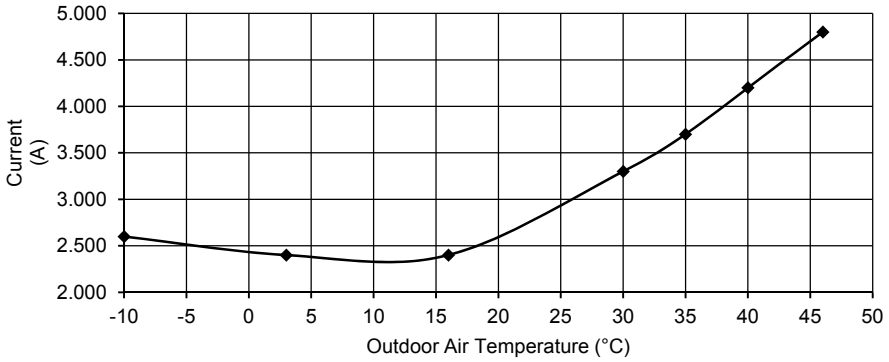
- Cooling Characteristic

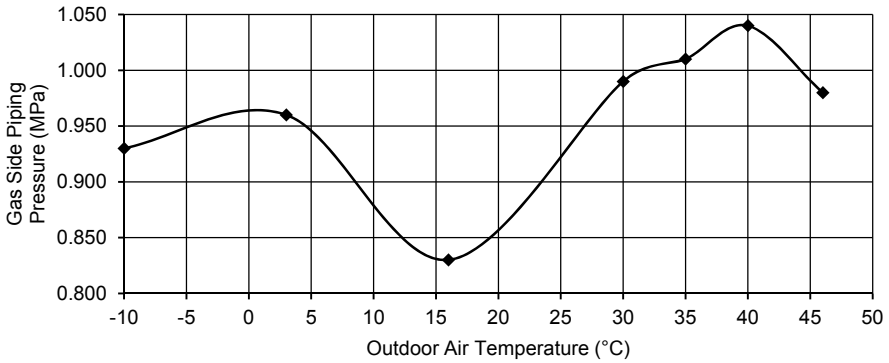
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Cooling (2.5), CS-E9QKEW





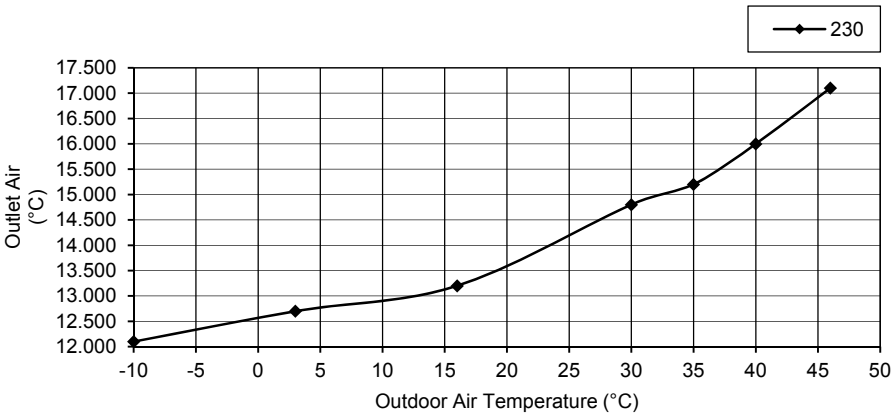


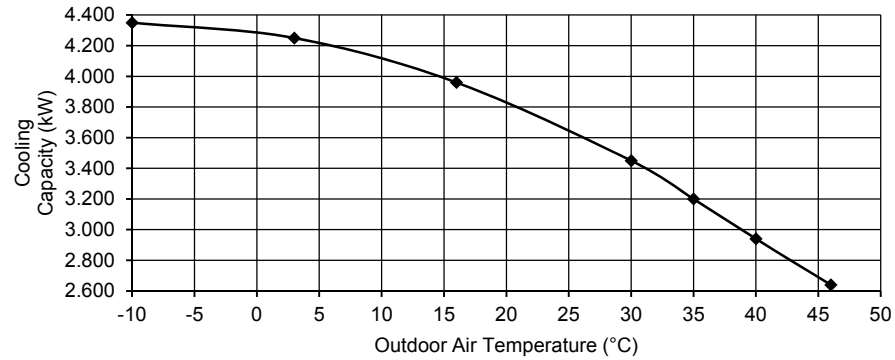


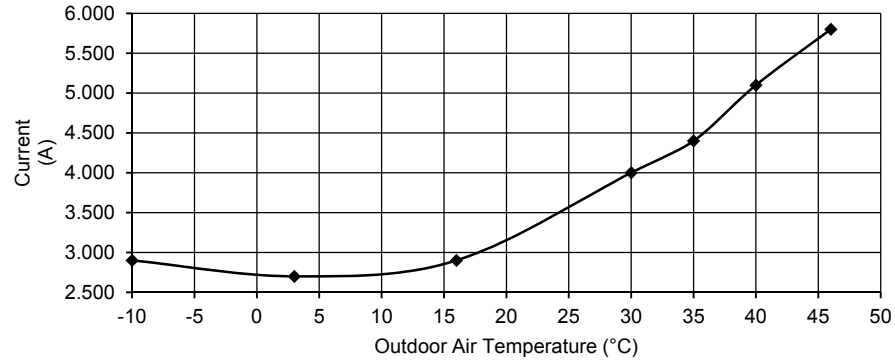
- Cooling Characteristic

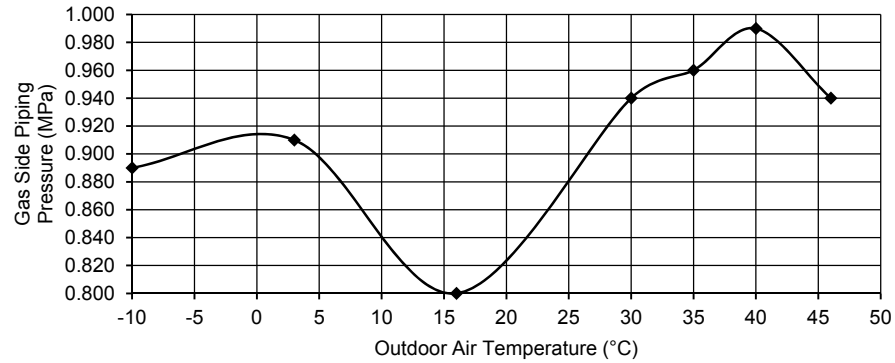
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Cooling (3.2), CS-E12QKEW





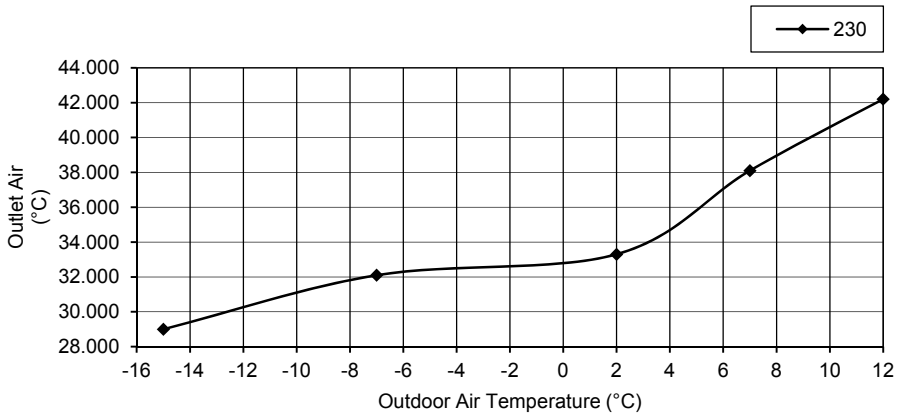


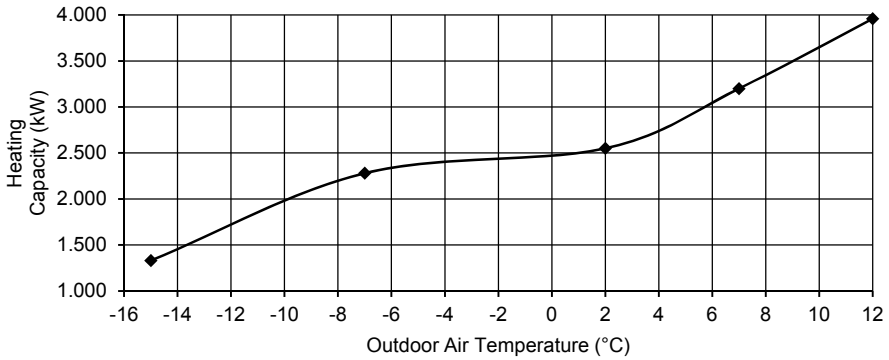


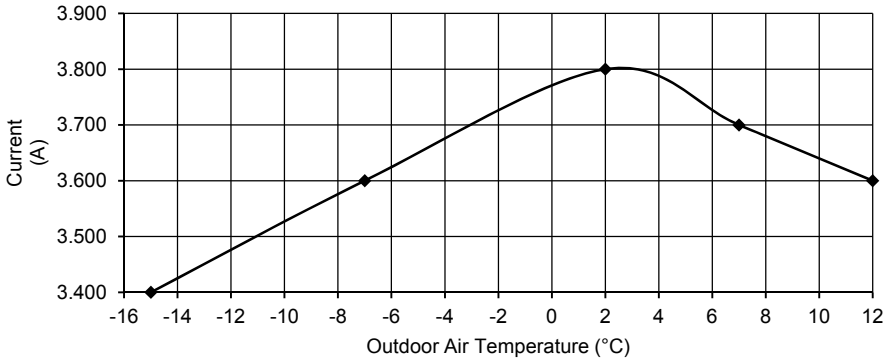
- Heating Characteristic

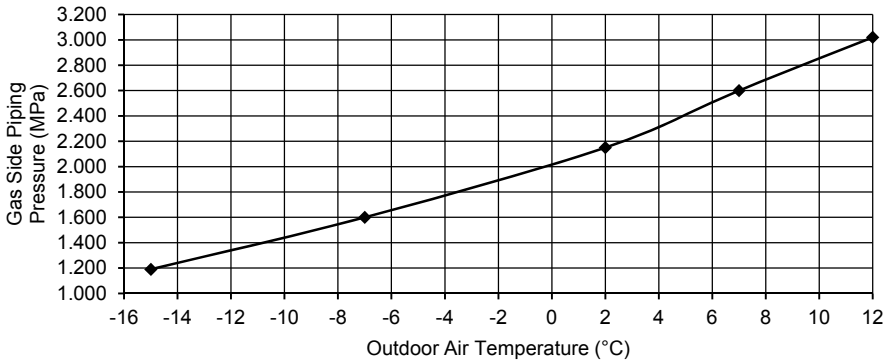
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0), CS-E7QKEW







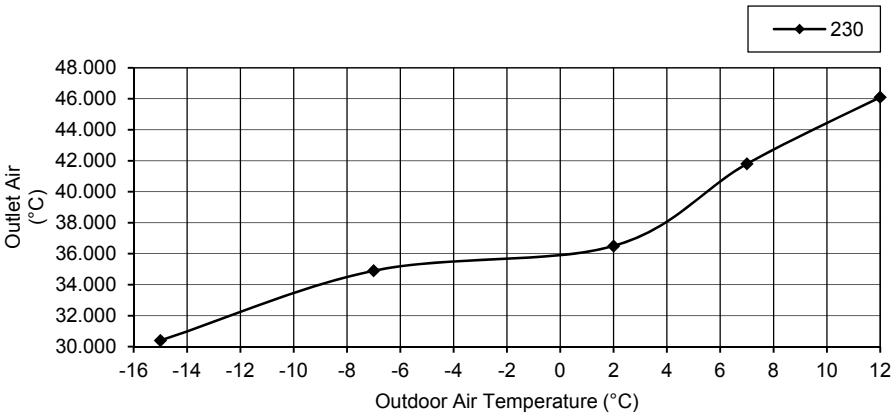


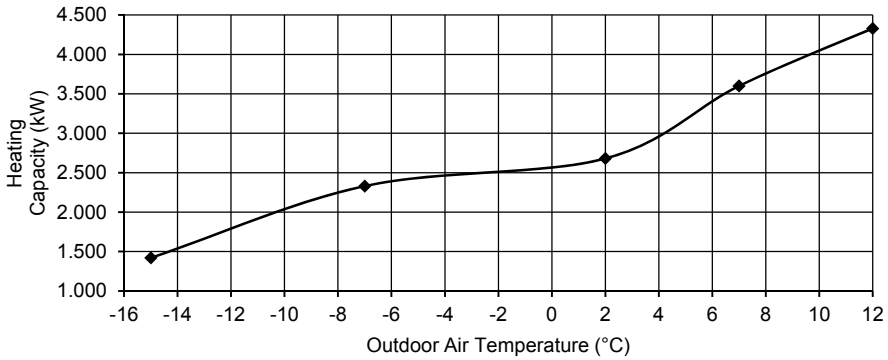
7°C & 12°C (Outdoor Air Temp.) = Heating Overload Protection activated

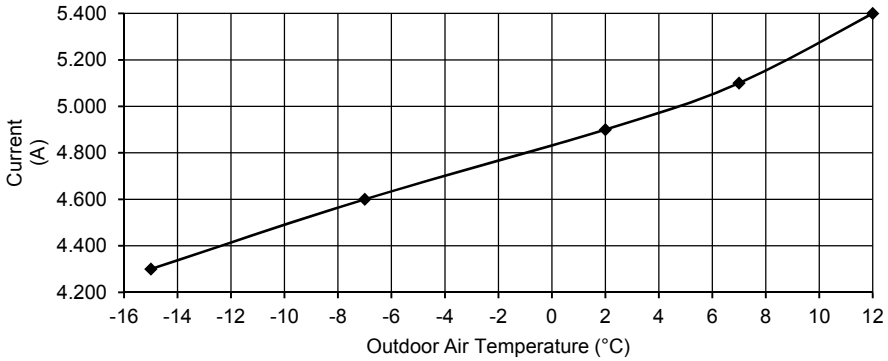
- Heating Characteristic

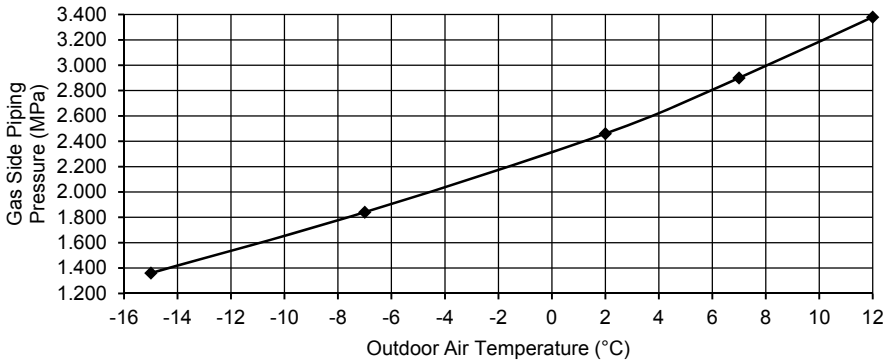
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5), CS-E9QKEW





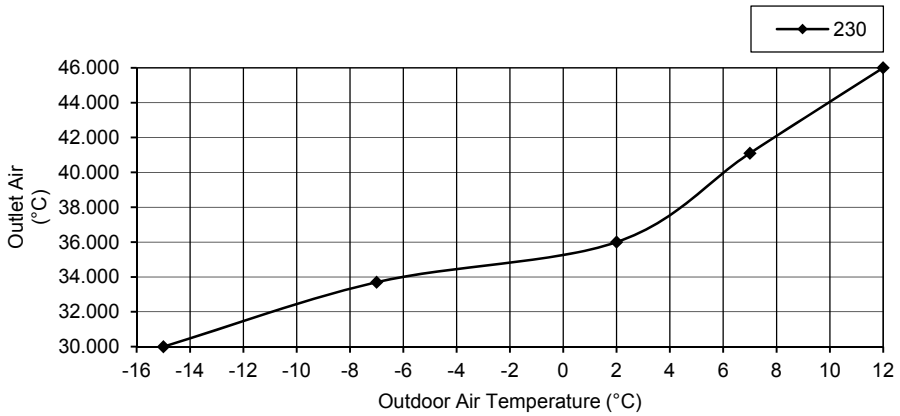


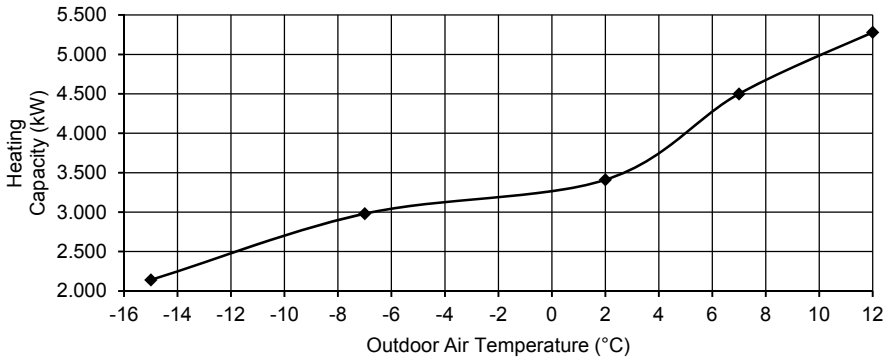


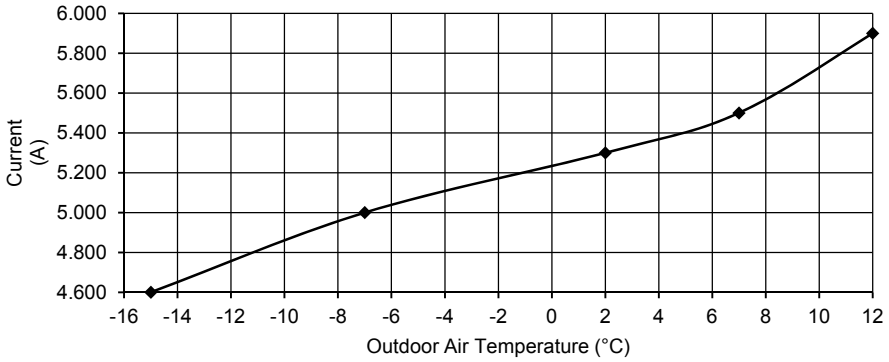
- Heating Characteristic

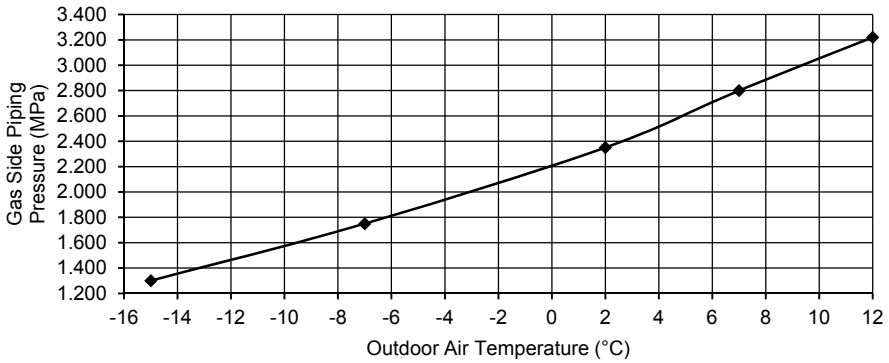
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Heating (3.2), CS-E12QKEW







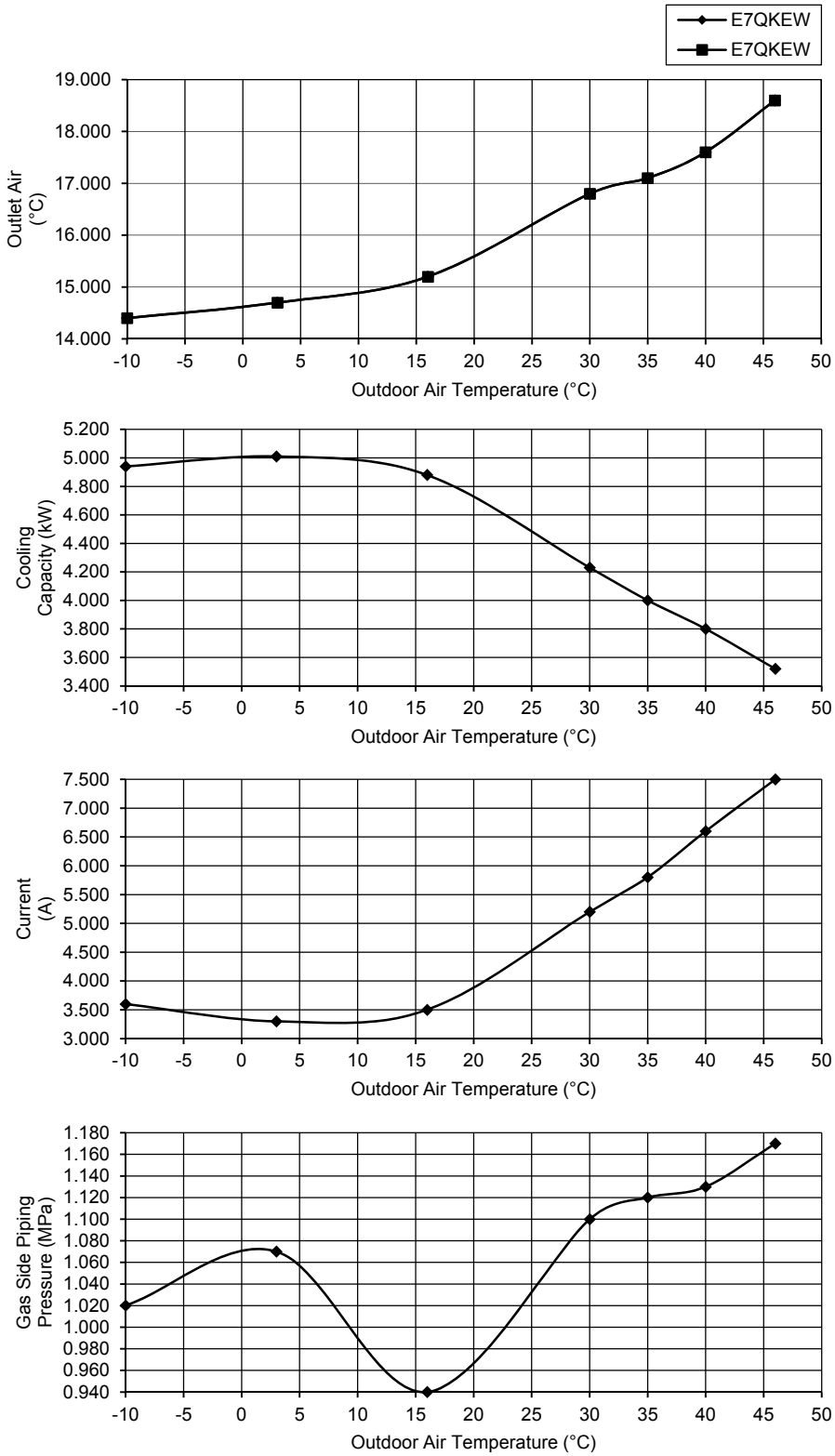


18.3.2 Two Indoor Unit Operation

- Cooling Characteristic

[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

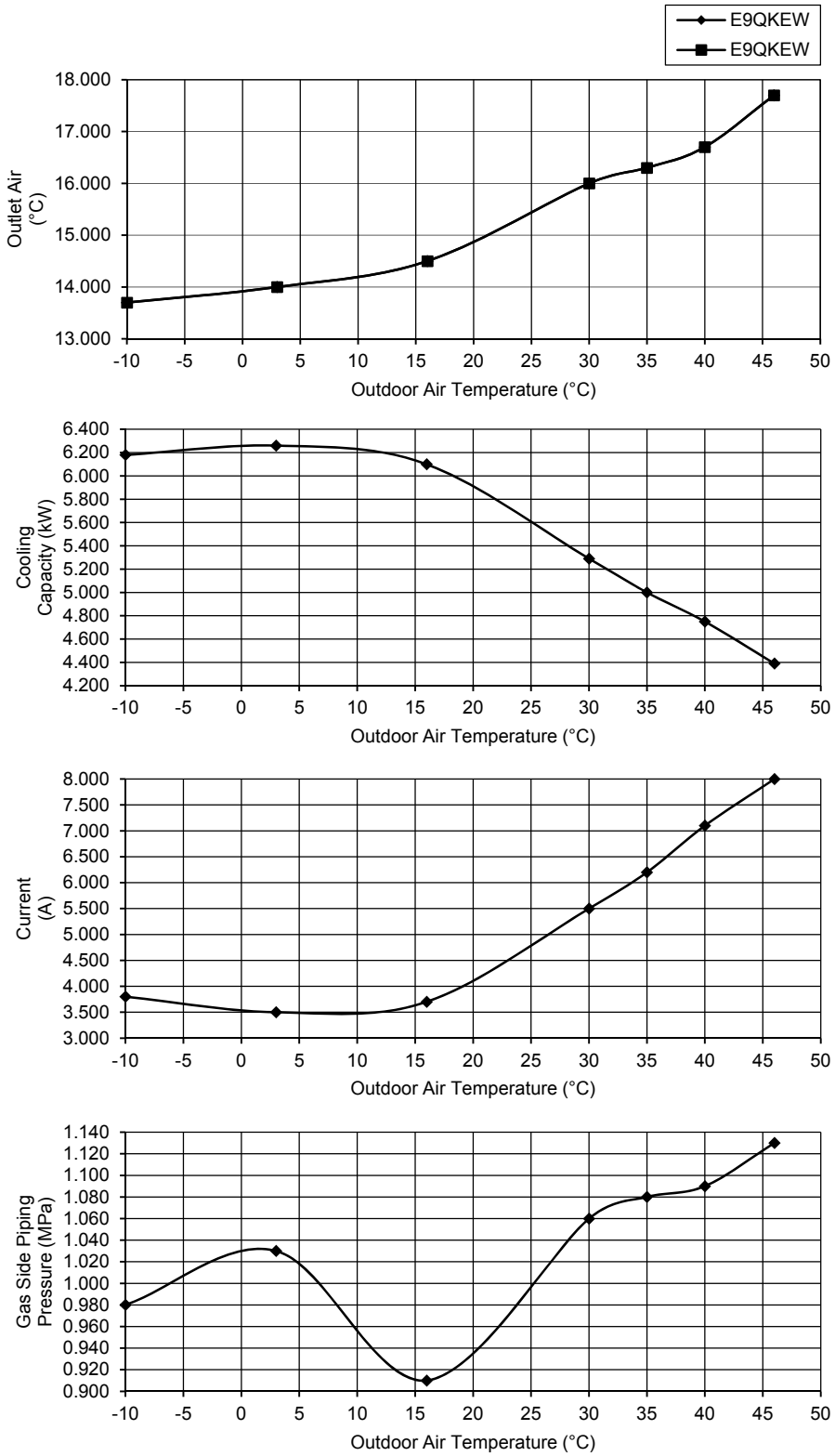
A) Indoor unit capacity: Cooling (2.0 + 2.0), CS-E7QKEW + CS-E7QKEW



- Cooling Characteristic

[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

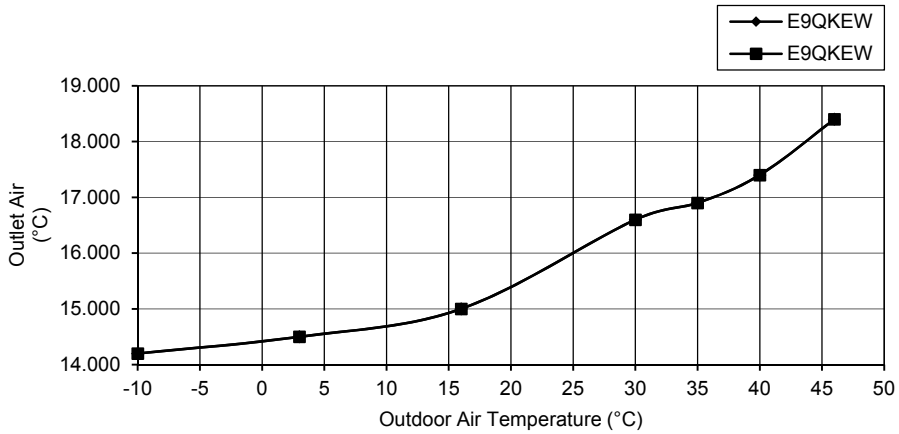
B) Indoor unit capacity: Cooling (2.5 + 2.5), CS-E9QKEW + CS-E9QKEW

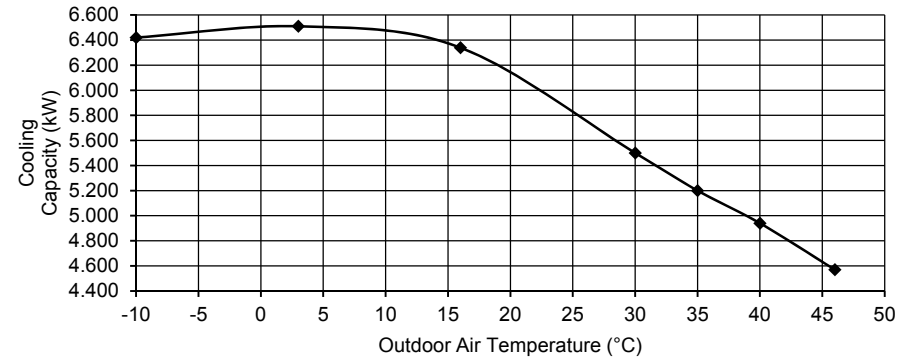


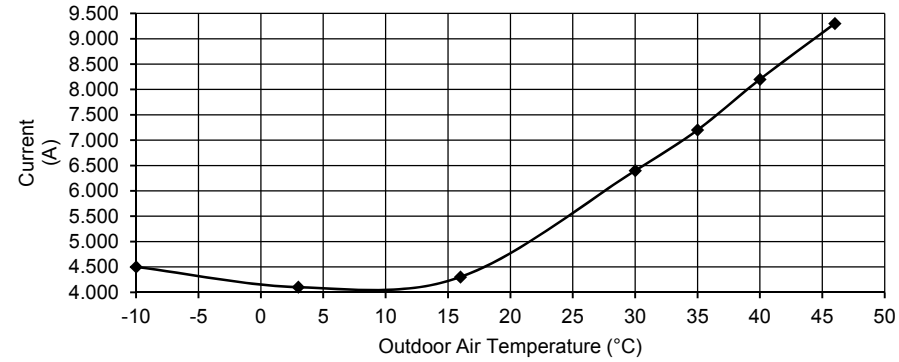
- Cooling Characteristic

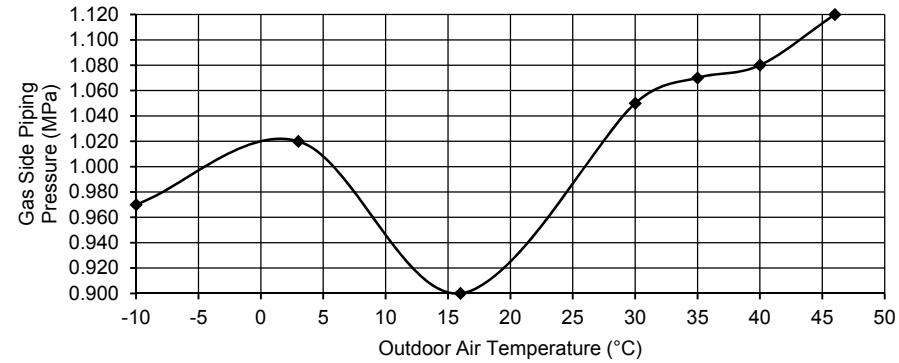
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Cooling (3.2 + 3.2), CS-E12QKEW + CS-E12QKEW





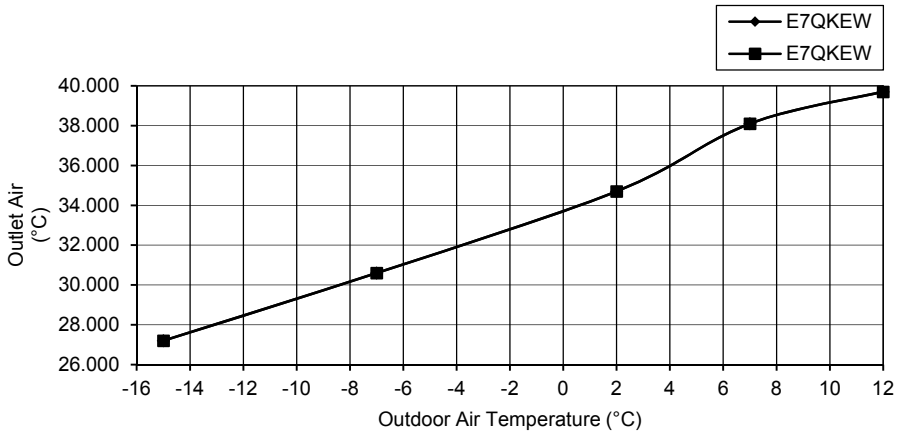


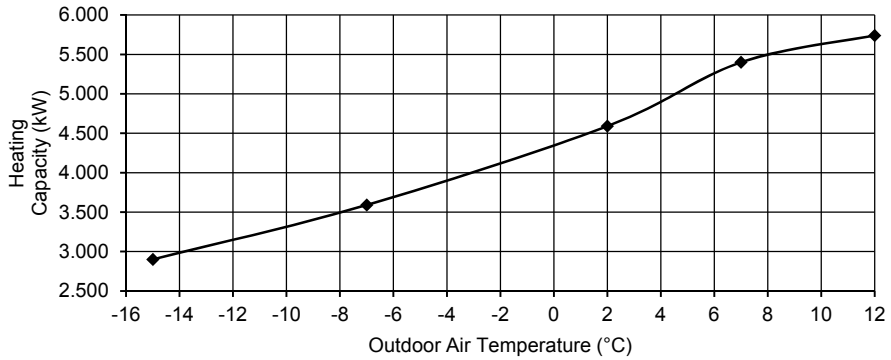


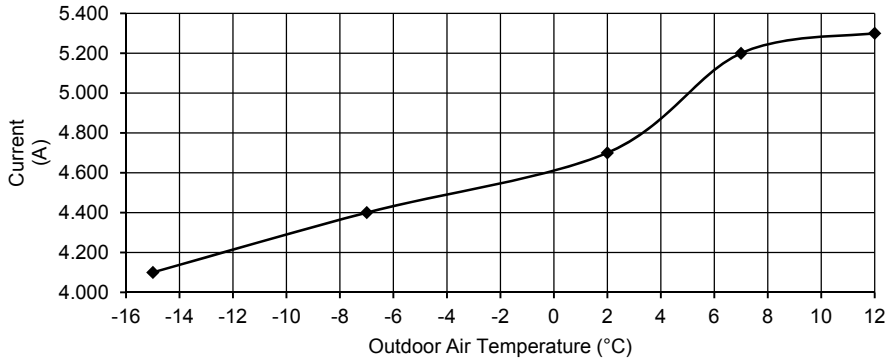
- Heating Characteristic

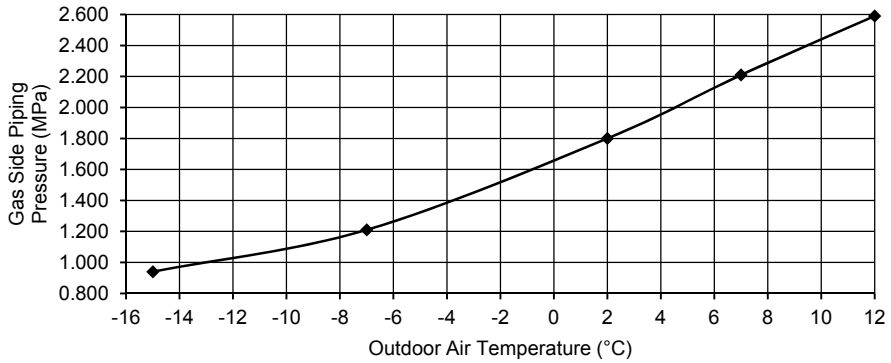
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.0), CS-E7QKEW + CS-E7QKEW





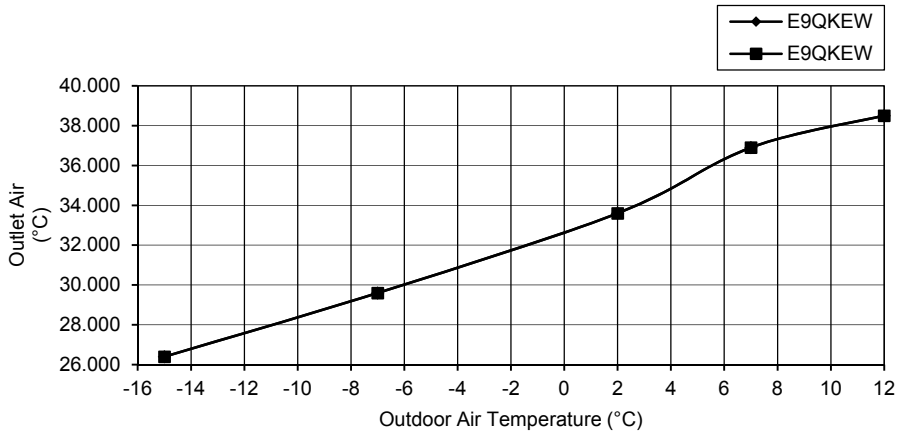


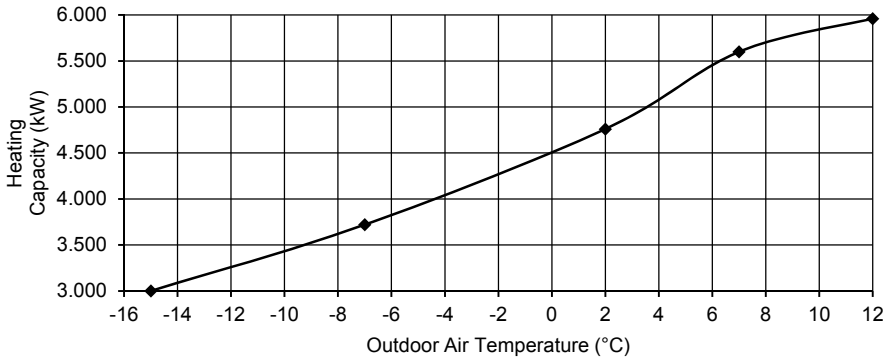


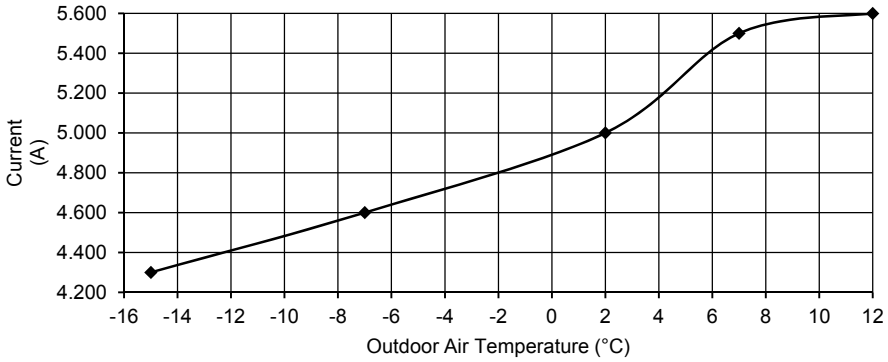
- Heating Characteristic

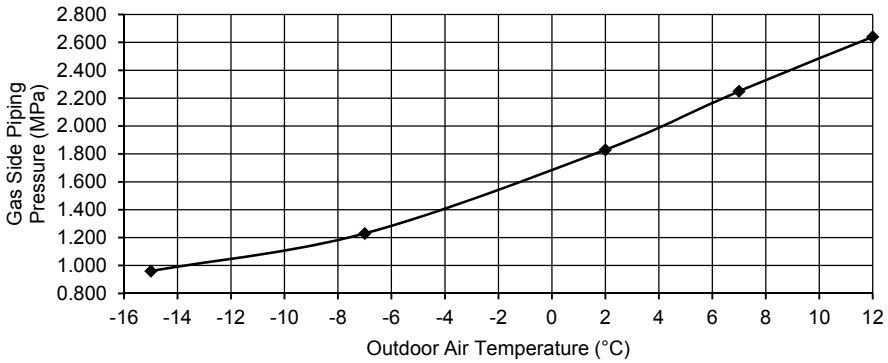
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5 + 2.5), CS-E9QKEW + CS-E9QKEW





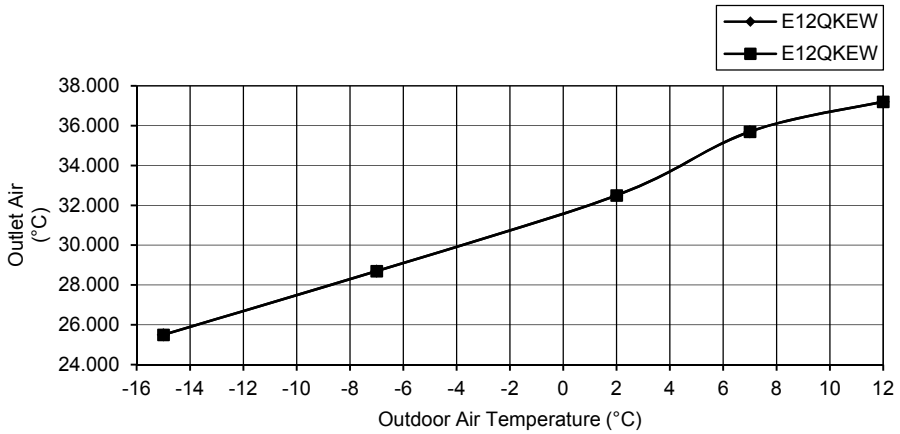


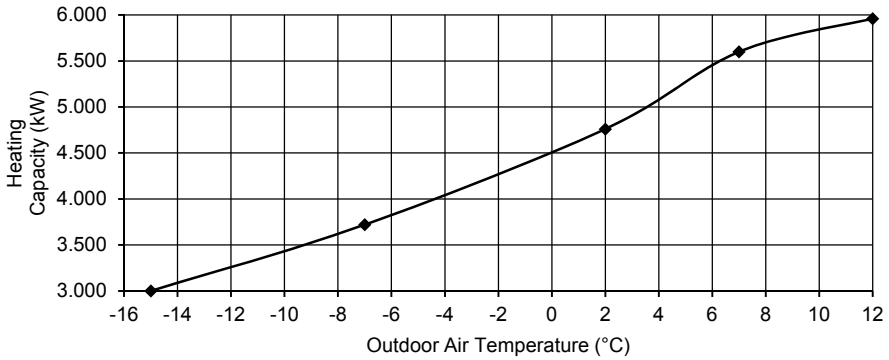


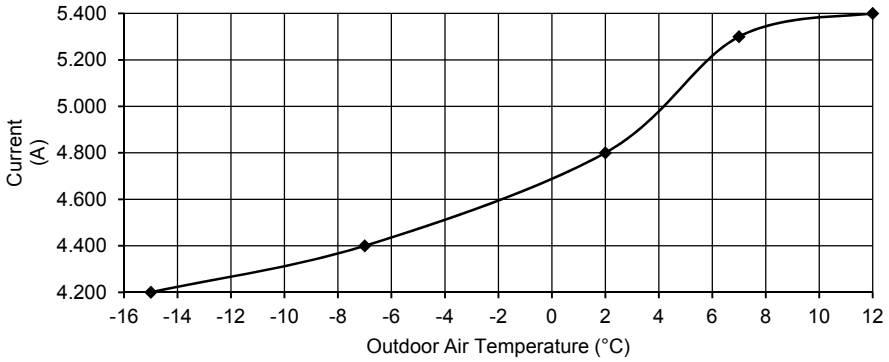
- Heating Characteristic

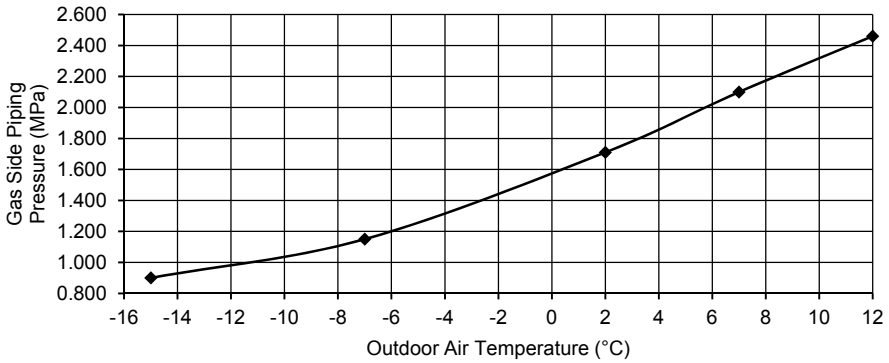
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Heating (3.2 + 3.2), CS-E12QKEW + CS-E12QKEW









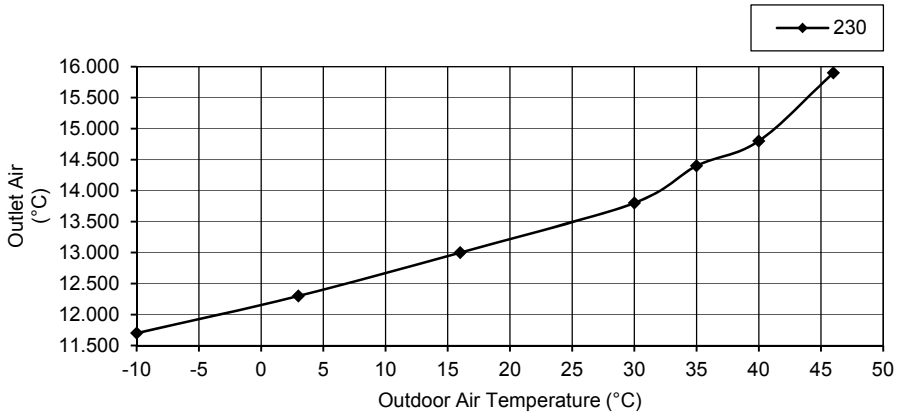
18.4 Operation Characteristics (CU-3E23SBE)

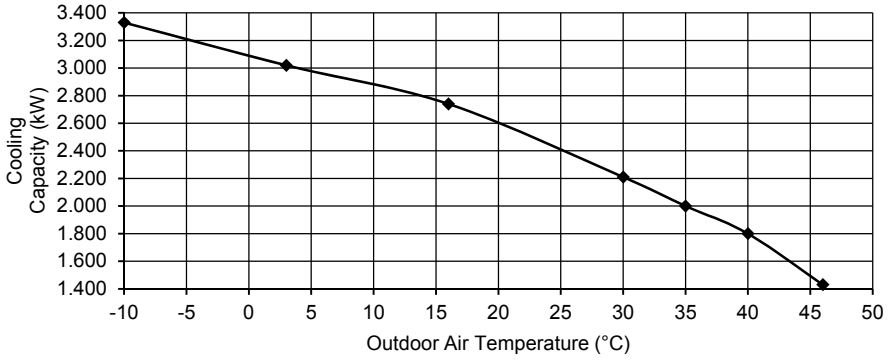
18.4.1 One Indoor Unit Operation

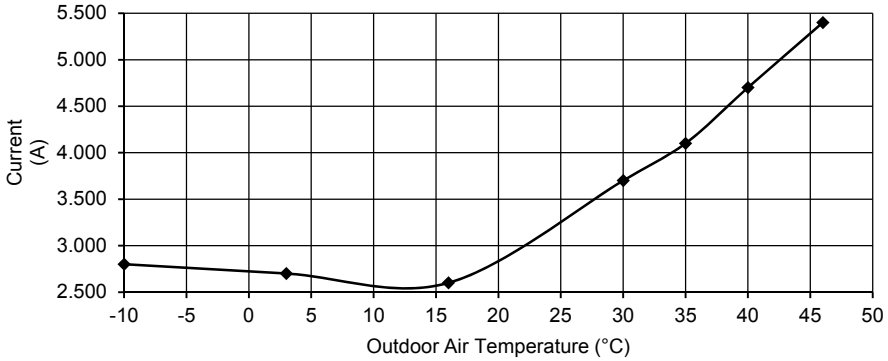
- Cooling Characteristic

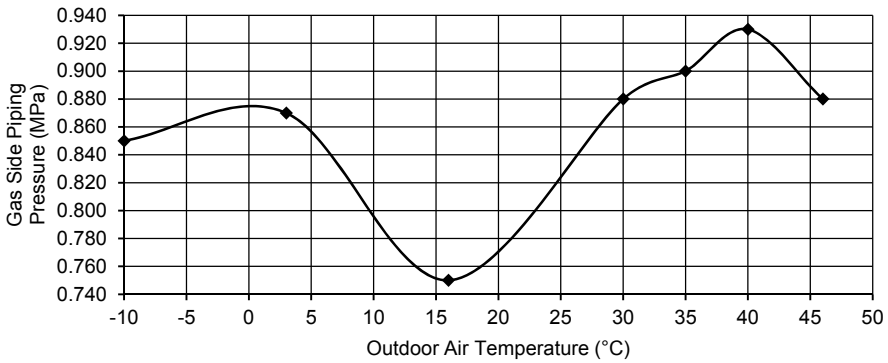
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Cooling (2.0), CS-E7QKEW





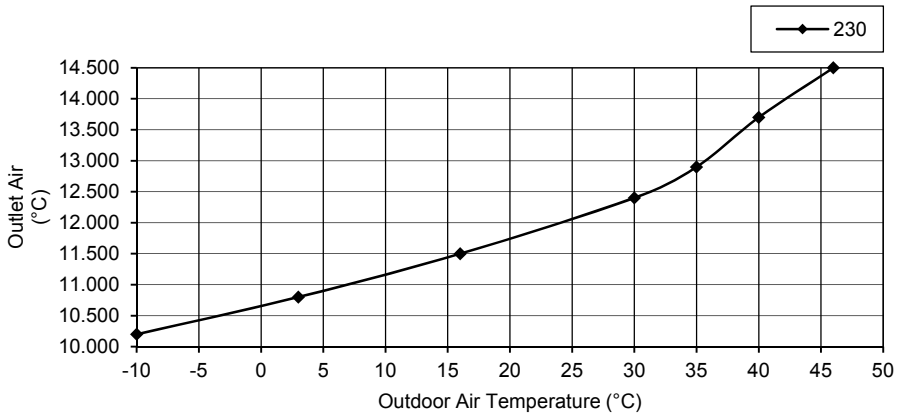


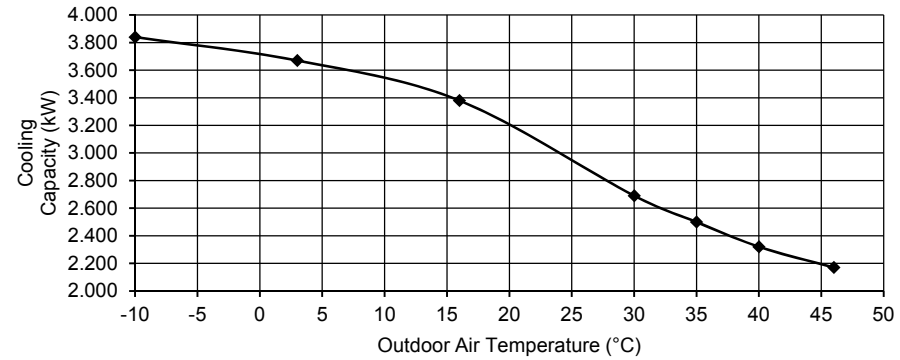


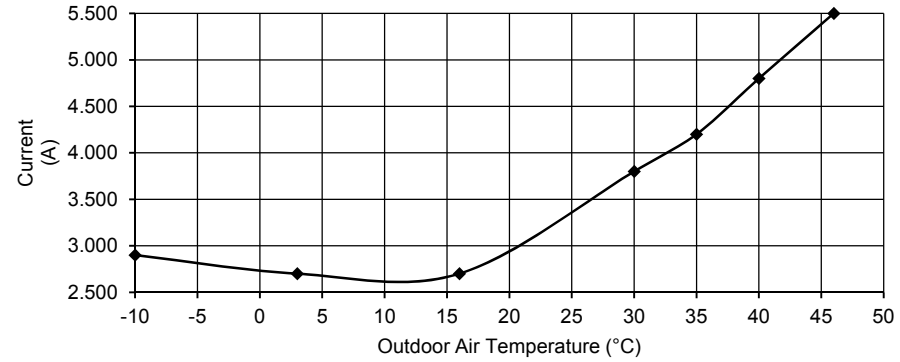
- Cooling Characteristic

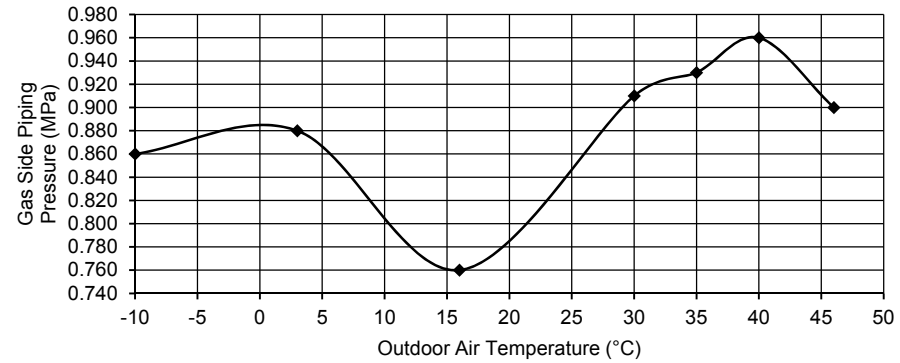
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Cooling (2.5), CS-E9QKEW





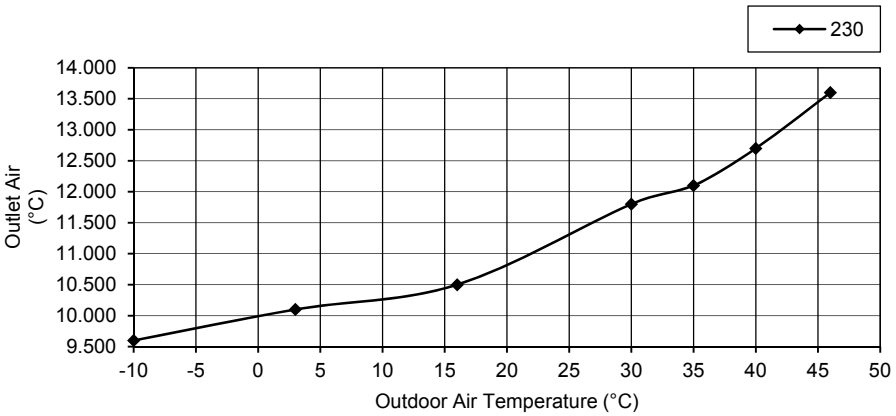


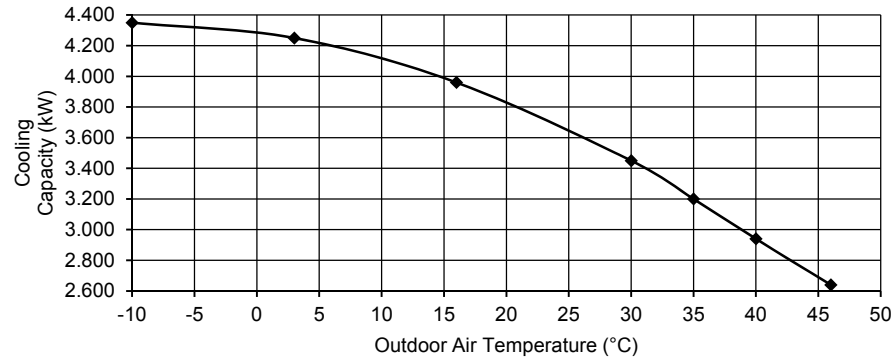


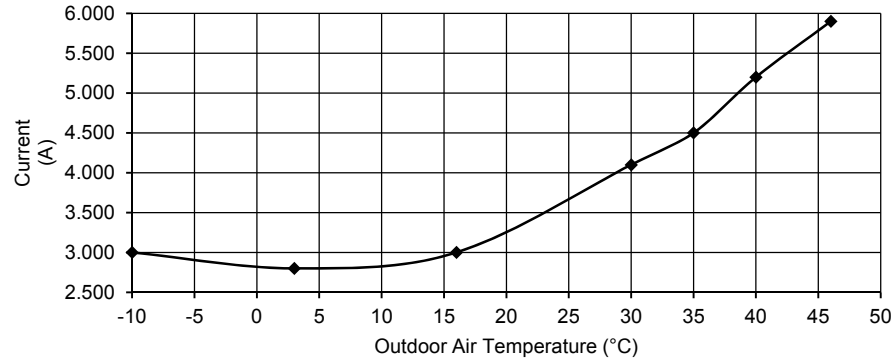
- Cooling Characteristic

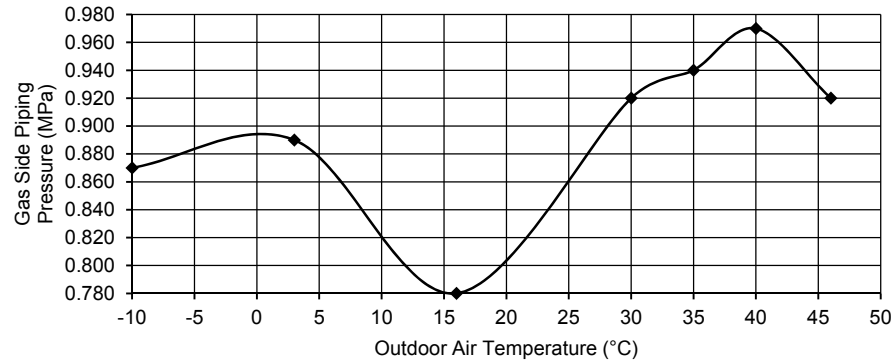
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Cooling (3.2), CS-E12QKEW





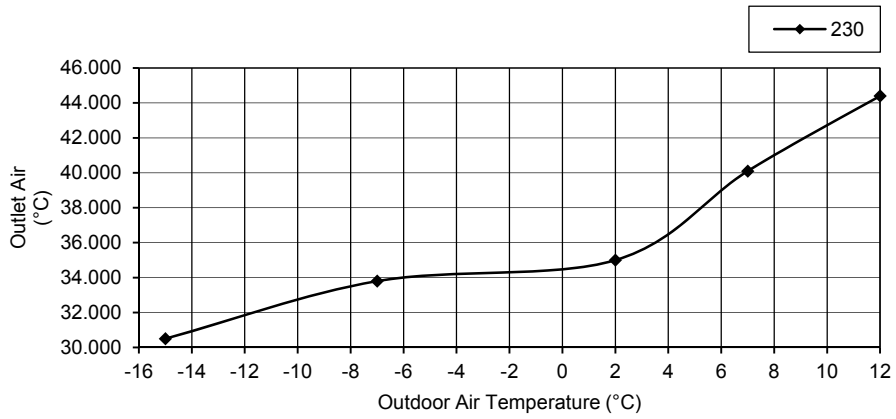


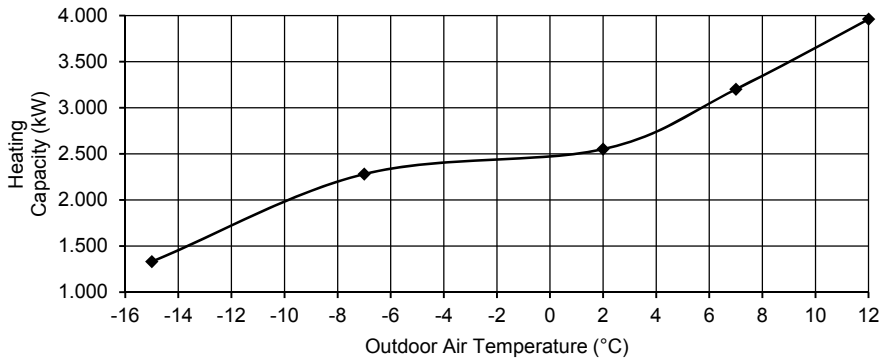


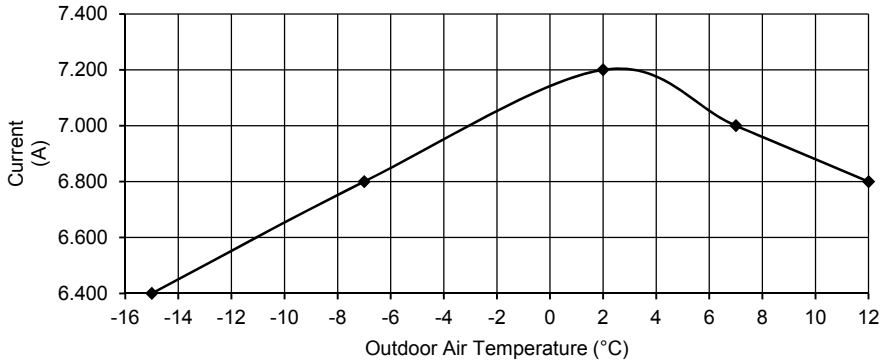
- Heating Characteristic

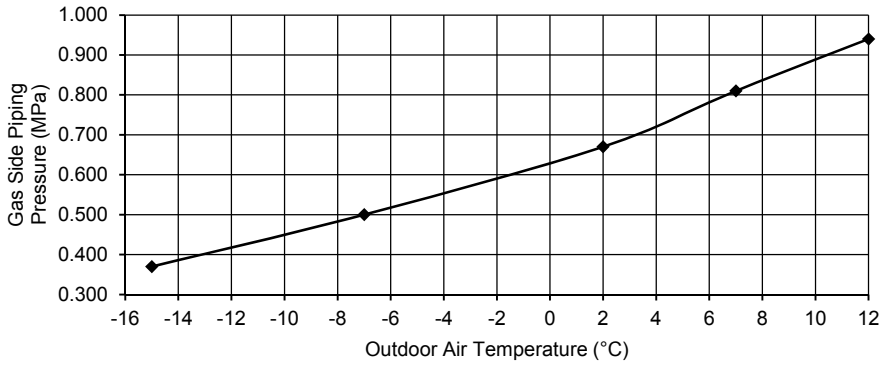
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0), CS-E7QKEW







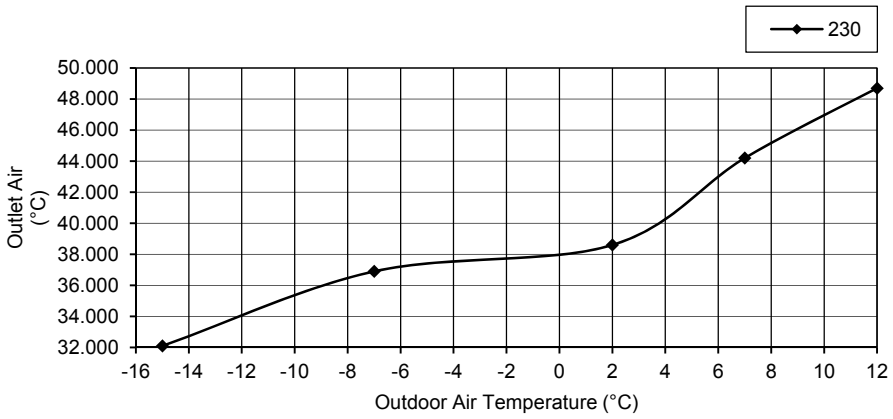


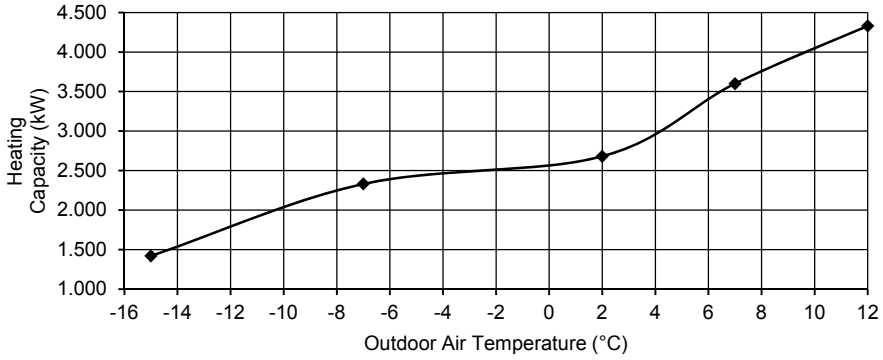
7°C & 12°C (Outdoor Air Temp.) = Heating Overload Protection activated

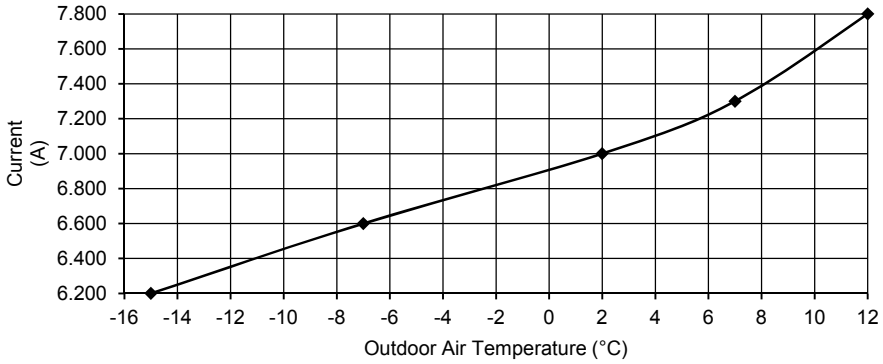
- Heating Characteristic

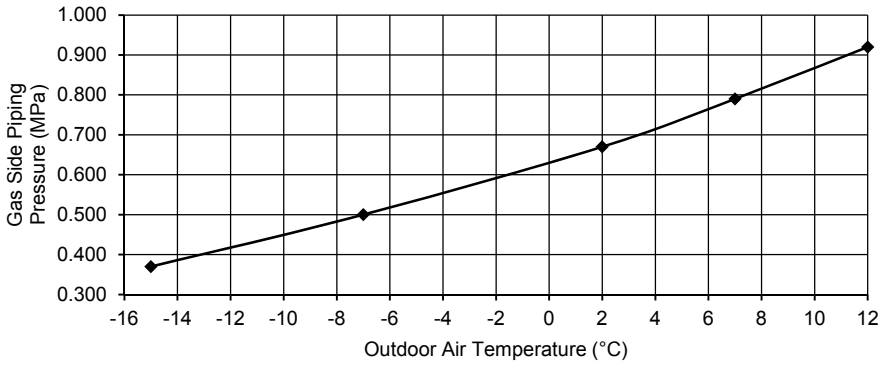
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

B) Indoor unit capacity: Heating (2.5), CS-E9QKEW





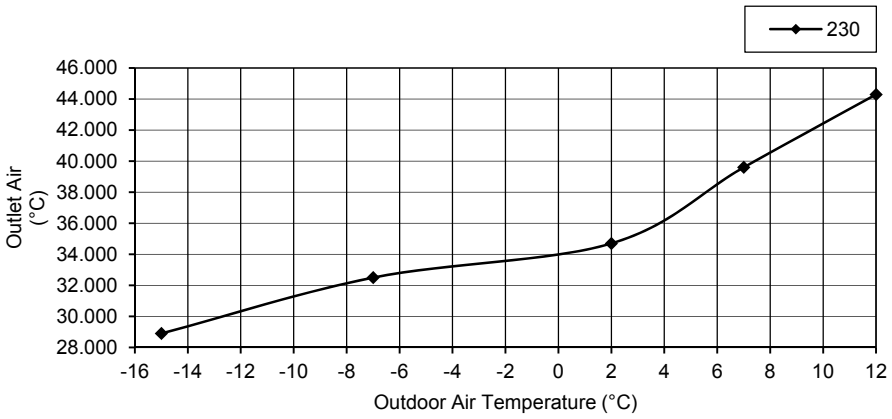


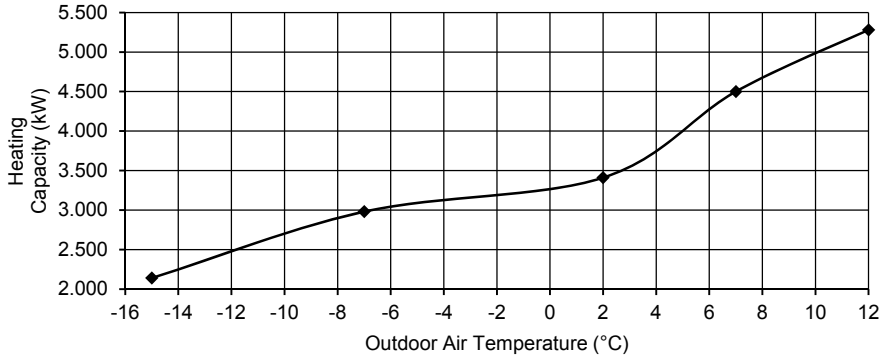


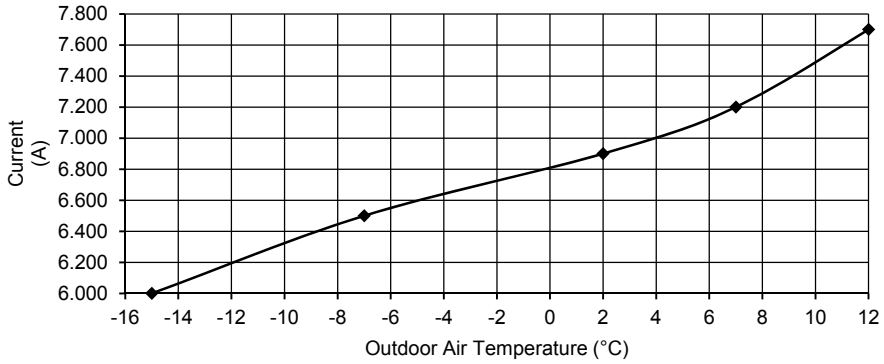
- Heating Characteristic

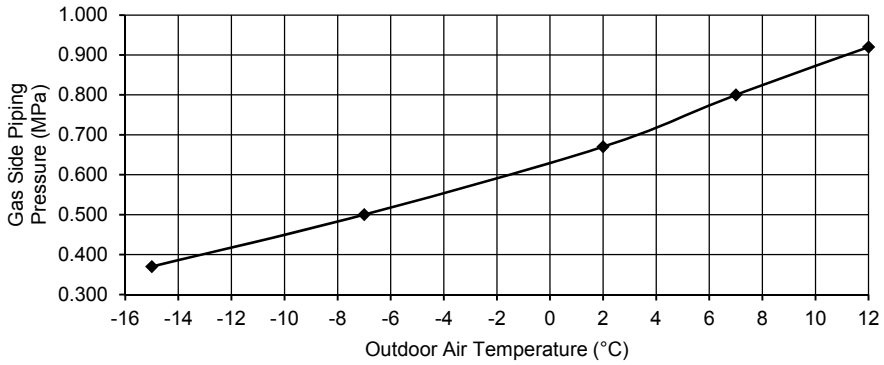
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

C) Indoor unit capacity: Heating (3.2), CS-E12QKEW







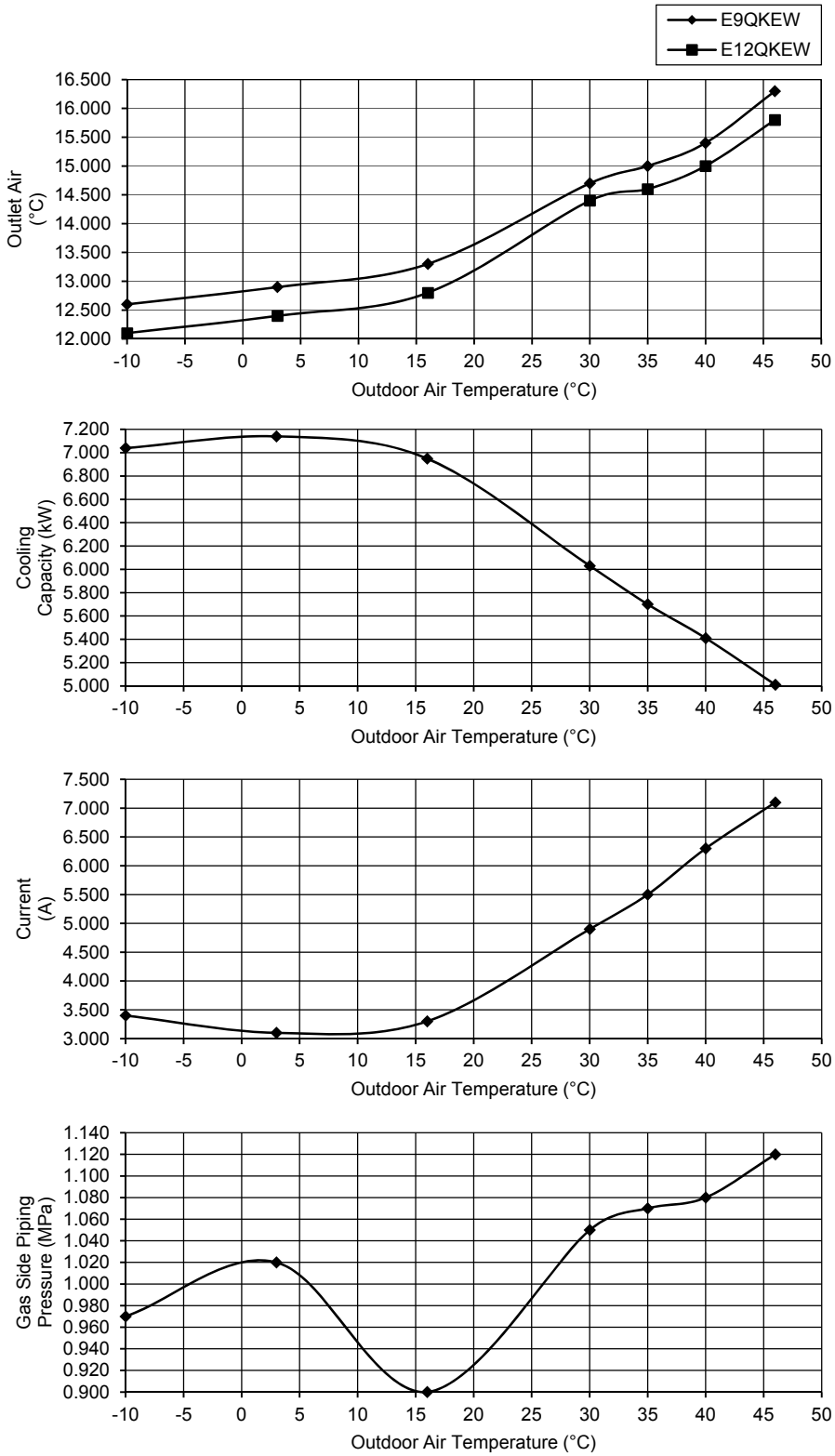


18.4.2 Two Indoor Unit Operation

- Cooling Characteristic

[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

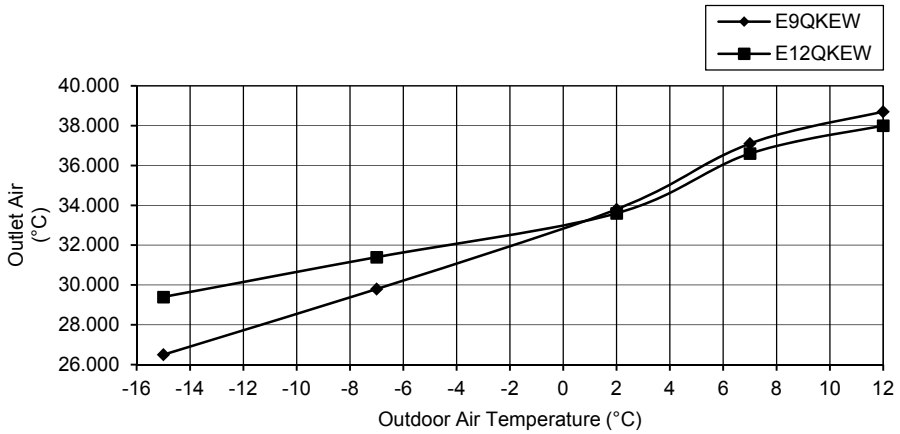
A) Indoor unit capacity: Cooling (2.5 + 3.2), CS-E9QKEW + CS-E12QKEW

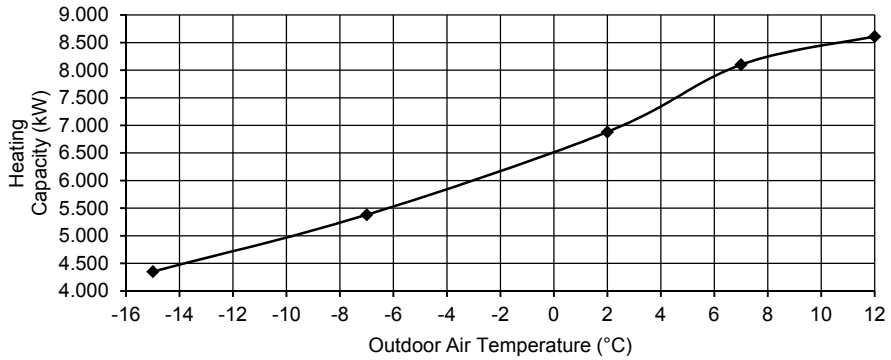


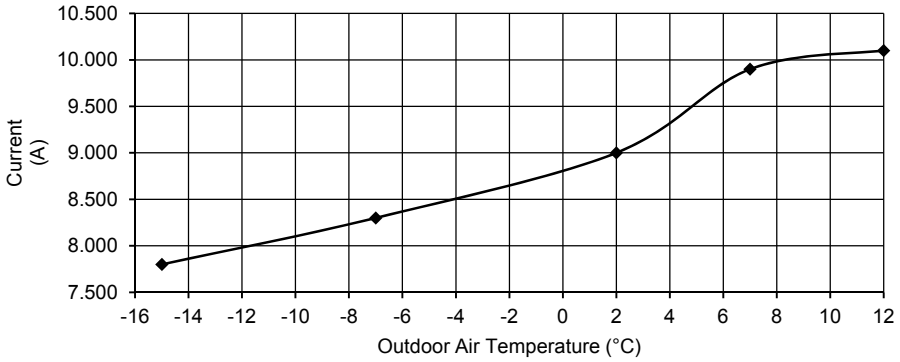
- Heating Characteristic

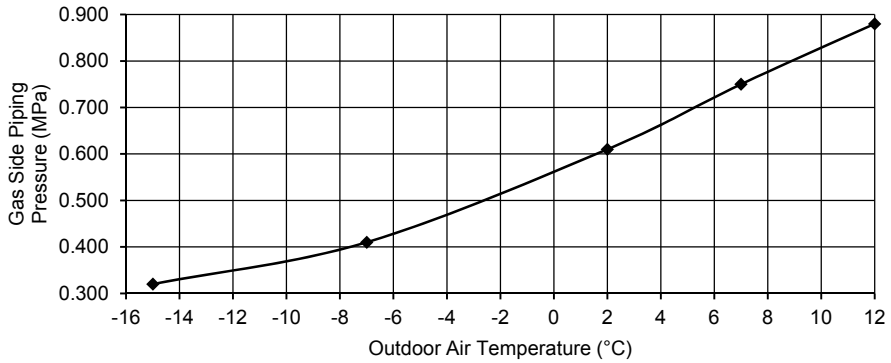
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.5 + 3.2), CS-E9QKEW + CS-E12QKEW







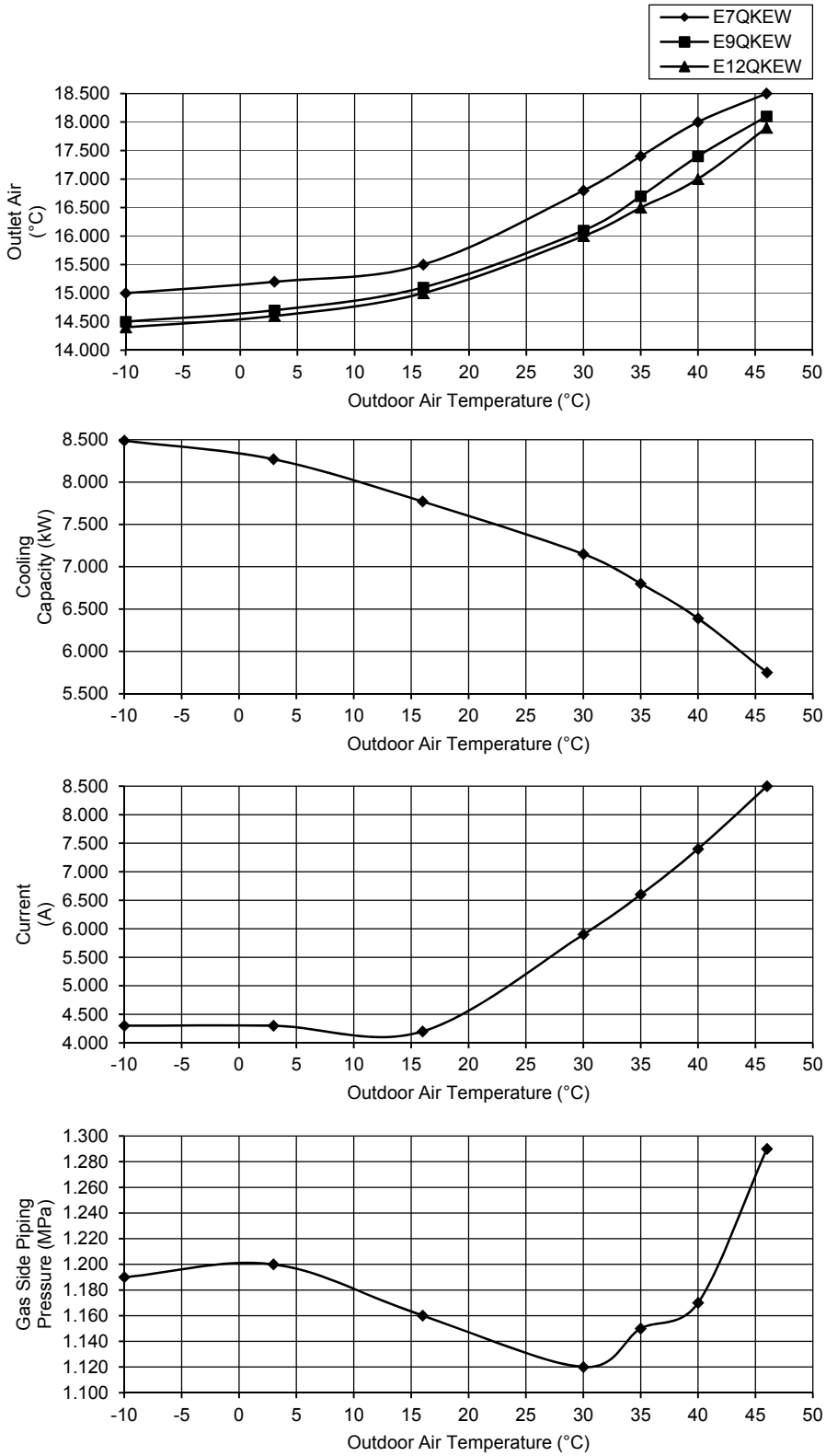


18.4.3 Three Indoor Unit Operation

- Cooling Characteristic

[Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

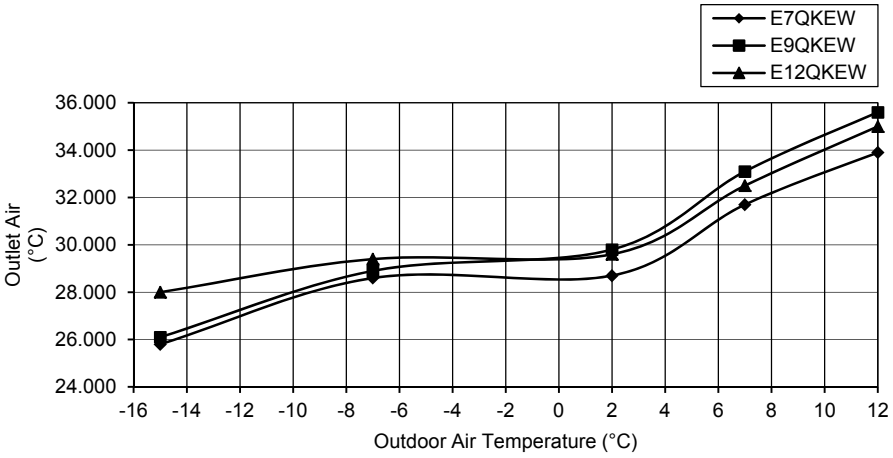
A) Indoor unit capacity: Cooling (2.0 + 2.5 + 3.2), CS-E7QKEW + CS-E9QKEW + CS-E12QKEW

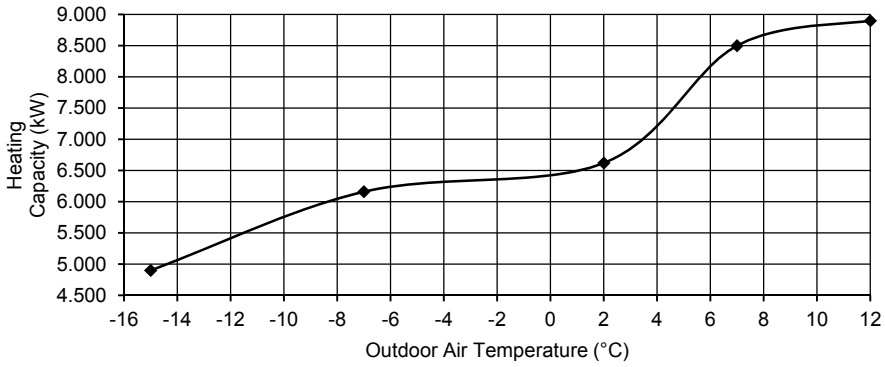


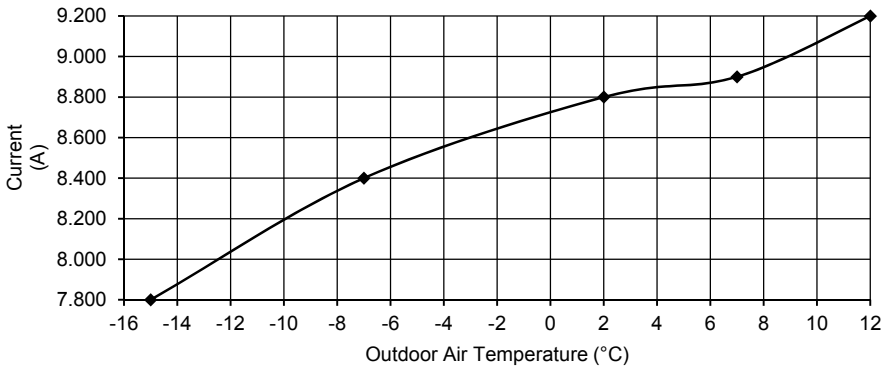
- Heating Characteristic

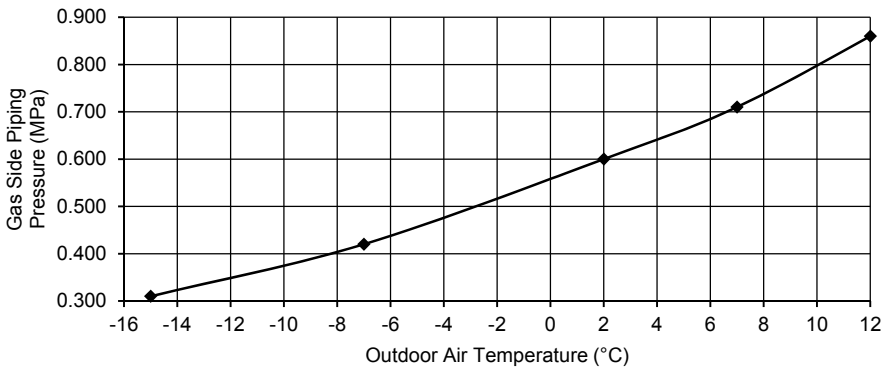
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping length: 5.0 m
Voltage: 230V, 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.5 + 3.2), CS-E7QKEW + CS-E9QKEW + CS-E12QKEW



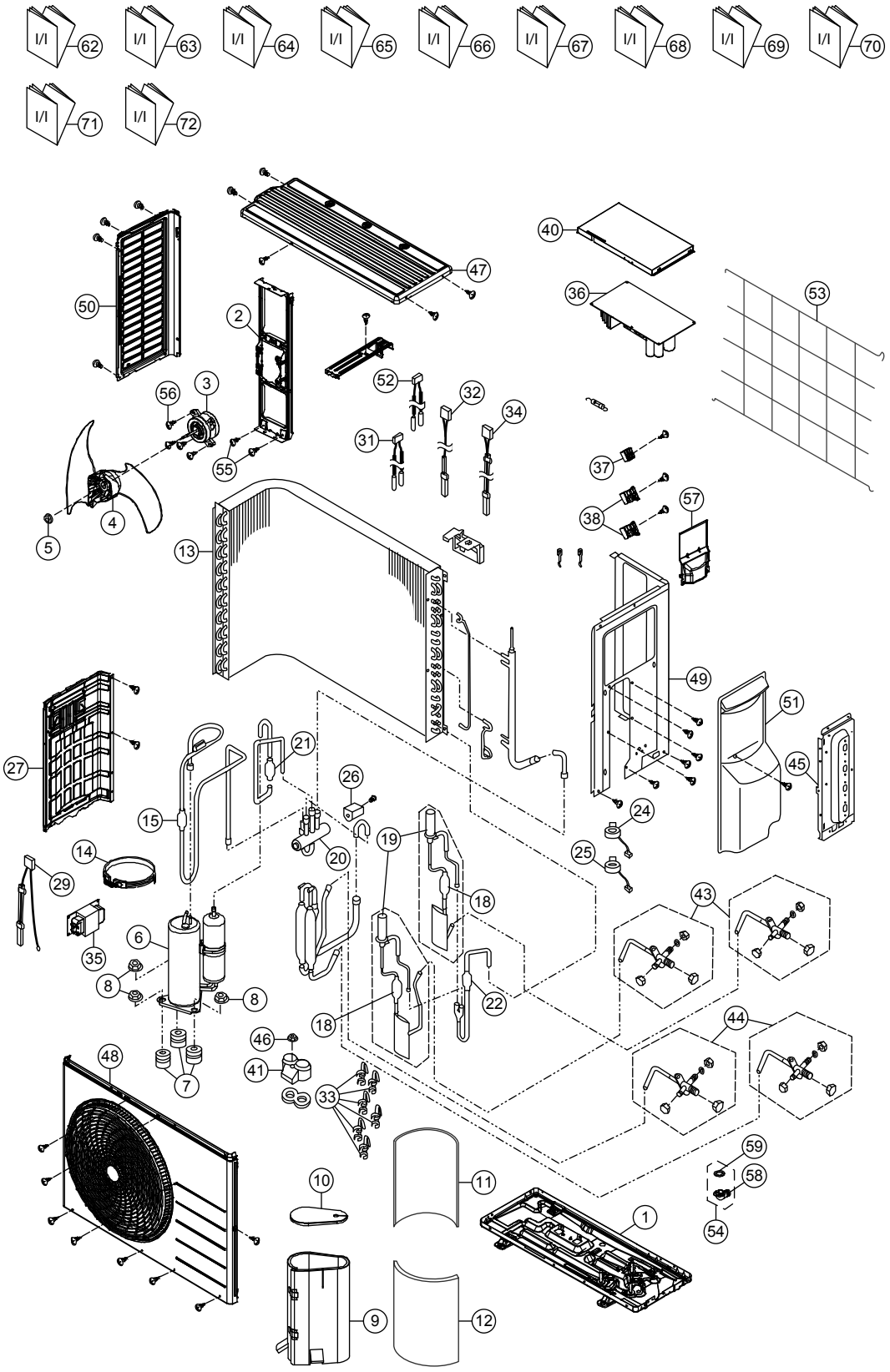






19. Exploded View and Replacement Parts List

19.1 CU-2E12SBE CU-2E15SBE CU-2E18SBE



Note
The above exploded view is for the purpose of parts disassembly and replacement.
The non-numbered parts are not kept as standard service parts.

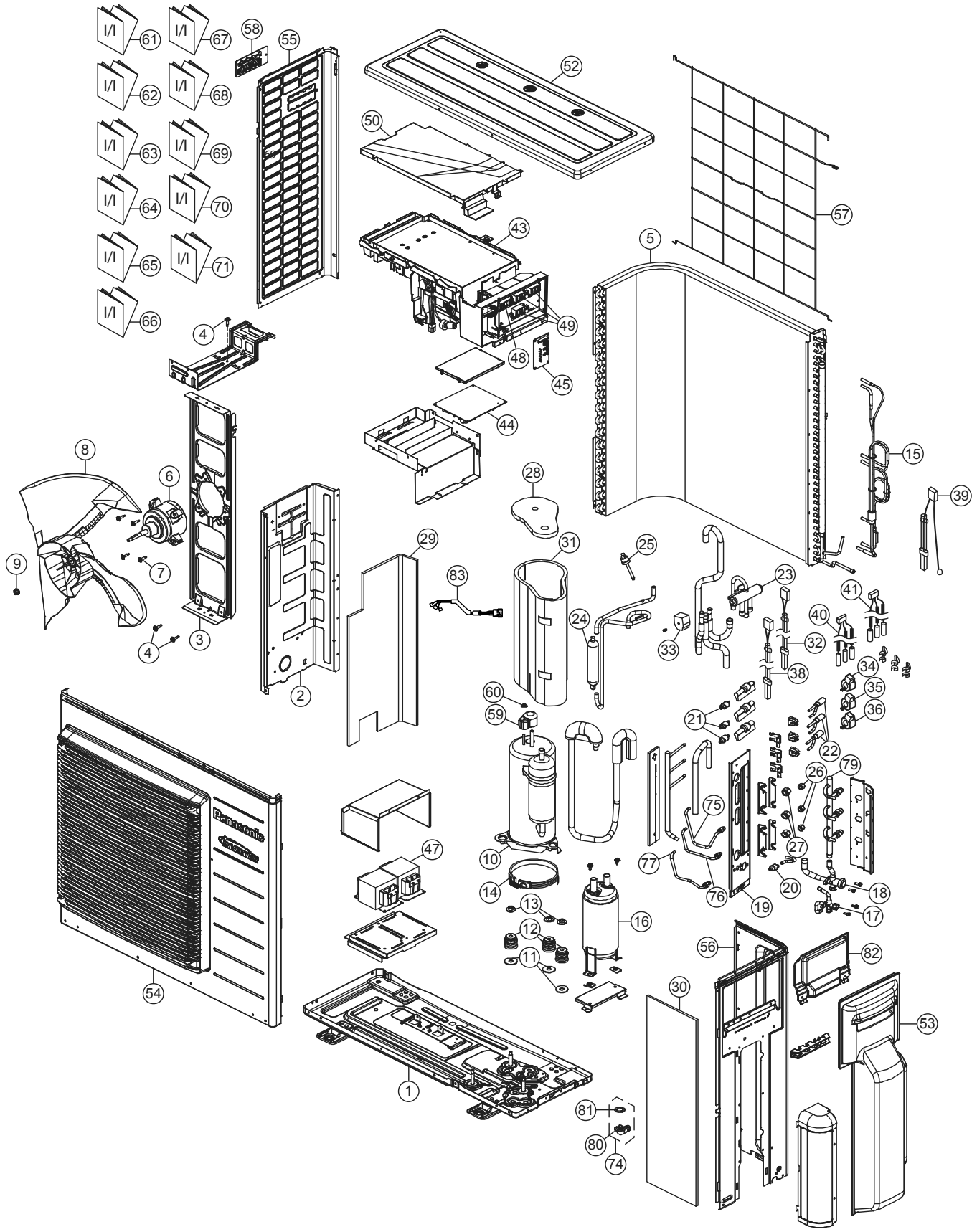
SAFETY	NO.	DESCRIPTION & NAME	Q'TY	CU-2E12SBE	CU-2E15SBE	CU-2E18SBE	REMARK
	1	CHASSY ASSY	1	CWD52K1277	←	←	
	2	FAN MOTOR BRACKET	1	CWD541167	←	←	
⚠	3	FAN MOTOR, AC 50W SINGLE	1	ARW6405AC	←	←	O
	4	PROPELLER FAN	1	CWH03K1066	←	←	
	5	NUT - PROPELLER FAN	1	CWH56053J	←	←	
⚠	6	COMPRESSOR	1	5RD132XFC21	←	←	O
	7	ANTI - VIBRATION BUSHING	3	CWH50077	←	←	
	8	NUT - COMPRESSOR	3	CWH561096	←	←	
	9	SOUND PROOF MATERIAL (BODY)	1	CWG302954	←	←	
	10	SOUND PROOF MATERIAL (TOP)	1	CWG302630	←	←	
	11	SOUND PROOF MATERIAL	1	CWG302806	←	←	
	12	SOUND PROOF MATERIAL	1	CWG302807	←	←	
	13	CONDENSER COMPLETE	1	CWB32C3722	←	←	
	14	CRANKCASE HEATER	1	CWA341044	←	←	
	15	RECEIVER	2	CWB14011	←	←	
	18	STRAINER	1	CWB111024	←	←	
	19	EXPANSION VALVE	2	CWB051029	←	←	O
	20	4-WAYS VALVE	1	CWB001064	←	←	O
	21	STRAINER	1	CWB111004	←	←	
	22	STRAINER	1	CWB111080	←	←	
	24	V-COIL COMPLETE	1	CWA43C2579	←	←	O
	25	V-COIL COMPLETE	1	CWA43C2580	←	←	O
	26	V-COIL COMPLETE (4-WAY VALVE)	1	CWA43C2585	←	←	O
	27	SOUND-PROOF BOARD	1	CWH151364	←	←	
	29	SENSOR-COMPLETE - INTAKE & PIPE	1	CWA50C3078	←	←	O
	31	SENSOR-COMPLETE - GAS	1	CWA50C3070	←	←	O
	32	SENSOR-COMPLETE - LIQUID	1	CWA50C3069	←	←	O
	33	HOLDER-SENSOR	6	CWH32143	←	←	
	34	SENSOR-COMPLETE - TANK	1	CWA50C2894	←	←	O
	35	NORMAL-MODE LINE CHOKE COILS	1	G0C193J00004	←	←	O
⚠	36	ELECTRONIC CONTROLLER	1	ACXA73C03180R	ACXA73C03190R	ACXA73C03200R	O
⚠	37	TERMINAL BOARD ASS'Y	1	CWA28K1162	←	←	O
⚠	38	TERMINAL BOARD ASS'Y	2	CWA28K1161	←	←	O
	40	CONTROL BOARD COVER-TOP	1	CWH131473	←	←	
	41	TERMINAL COVER	1	CWH171039A	←	←	
	43	3-WAY VALVE (LIQUID)	2	CWB011418	←	←	O
	44	3-WAY VALVE (GAS)	2	CWB011081J	←	←	O
	45	HOLDER COUPLING	1	CWH351253	←	←	
	46	NUT - TERMINAL COVER	1	CWH7080300J	←	←	
	47	CABINET TOP PLATE	1	CWE031148A	←	←	
	48	CABINET FRONT PLATE CO.	1	CWE06C1468	←	←	
	49	CABINET SIDE PLATE COMP	1	CWE04C1453	←	←	
	50	CABINET SIDE PLATE	1	CWE041579A	←	←	
	51	CONTROL BOARD COVER COMPLETE	1	CWH13C1300	←	←	
	52	SENSOR-COMPLETE - LIQUID	1	CWA50C3071	←	←	O
	53	WIRE NET	1	CWD041200A	←	←	
	54	BAG-COMPLETE	1	CWG87C900	←	←	

SAFETY	NO.	DESCRIPTION & NAME	Q'TY	CU-2E12SBE	CU-2E15SBE	CU-2E18SBE	REMARK
	55	SCREW-FAN MOTOR BRACKET	2	CWH551217	←	←	
	56	SCREW-FAN MOTOR MOUNT	4	CWH55252J	←	←	
	57	CONTROL BOARD COVER-PLATE	1	CWH131595	←	←	
	58	FLEXIBLE PIPE (L-TUBE)	1	CWH5850080	←	←	
	59	PACKING-L.TUBE	1	CWB81012	←	←	
	62	INSTALLATION INSTRUCTION	1	ACXF60-01140	←	←	
	63	INSTALLATION INSTRUCTION	1	ACXF60-01150	←	←	
	64	INSTALLATION INSTRUCTION	1	ACXF60-01160	←	←	
	65	INSTALLATION INSTRUCTION	1	ACXF60-01170	←	←	
	66	INSTALLATION INSTRUCTION	1	ACXF60-01180	←	←	
	67	INSTALLATION INSTRUCTION	1	ACXF60-01190	←	←	
	68	INSTALLATION INSTRUCTION	1	ACXF60-01200	←	←	
	69	INSTALLATION INSTRUCTION	1	ACXF60-01210	←	←	
	70	INSTALLATION INSTRUCTION	1	ACXF60-01220	←	←	
	71	INSTALLATION INSTRUCTION	1	ACXF60-01230	←	←	
	72	INSTALLATION INSTRUCTION	1	ACXF60-01240	←	←	

(Note)

- All parts are supplied from PAPAMY, Malaysia (Vendor Code: 00029488).
- "O" marked parts are recommended to be kept in stock.

19.2 CU-3E23SBE



Note
The above exploded view is for the purpose of parts disassembly and replacement.
The non-numbered parts are not kept as standard service parts.

SAFETY	NO.	DESCRIPTION & NAME	QTY	CU-3E23SBE	REMARK
	1	CHASSY ASSY	1	CWD52K1212	
	2	SOUND PROOF BOARD	1	CWH151194	
	3	FAN MOTOR BRACKET	1	CWD541127	
	4	SCREW-BRACKET FAN MOTOR	3	CWH551217	
	5	CONDENSER COMPLETE	1	CWB32C2680	
⚠	6	FAN MOTOR,DC 60W 3PH	1	EHDS80C60AC	O
	7	SCREW-FAN MOTOR MOUNT	4	CWH551323	
	8	PROPELLER FAN ASSY	1	CWH00K1006	
	9	NUT	1	CWH561092	
⚠	10	COMPRESSOR	1	5KD184XAB21	O
	11	PACKING	3	CWB81043	
	12	BUSHING - COMPRESSOR MOUNT	3	CWH50055	
	13	NUT-COMPRESSOR MOUNT	3	CWH561049	
	14	CRANKCASE HEATER	1	CWA341047	
	15	TUBE ASSY (CAPILLARY TUBE)	1	CWT01C4955	
	16	ACCUMULATOR	1	CWB131050	
	17	3-WAY VALVE	1	CWB011601	O
	18	3-WAY VALVE	1	CWB011602	O
	19	HOLDER COUPLING	1	CWH351258	
	20	STRAINER	1	CWB11061	
	21	STRAINER	3	CWB111024	
	22	EXPANSION VALVE	3	CWB051029	O
	23	4-WAYS VALVE	1	CWB001026J	O
	24	DISCHARGE MUFFLER	1	CWB121014	
	25	HEATING PRESSURE SWITCH	1	CWA101013	
	26	FLARE NUT (1/4)	3	CWT251030	
	27	FLARE NUT (3/8)	3	CWT251031	
	28	SOUND PROOF MATERIAL	1	CWG302246	
	29	SOUND PROOR MATERIAL	1	CWG302520	
	30	SOUND PROOR MATERIAL	1	CWG302521	
	31	SOUND PROOR MATERIAL	1	CWG302522	
	32	SENSOR COMPLETE - DIS	1	CWA50C2515	O
⚠	33	V-COIL COMPLETE	1	CWA43C2169J	O
⚠	34	V-COIL COMPLETE	1	CWA43C2334	O
⚠	35	V-COIL COMPLETE	1	CWA43C2335	O
⚠	36	V-COIL COMPLETE	1	CWA43C2336	O
	38	SENSOR-COMPLETE - DEF	1	CWA50C2625	O
	39	SENSOR COMPLETE - OUTLET TEMP SENSOR	1	CWA50C2517	O
	40	SENSOR-COMPLETE (CN-TH4)	1	CWA50C2620	O
	41	SENSOR-COMPLETE (CN-TH3)	1	CWA50C2622	O
⚠	43	ELECTRONIC CONTROLLER	1	ACXA73C03210R	O
⚠	44	ELECT.CONTROLLER - NOISE FILTER	1	CWA745291	O
⚠	45	ELECTRONIC CONTROLLER (DISPLAY)	1	CWA745292	O
⚠	47	REACTOR	2	G0C403J00001	O
⚠	48	TERMINAL BOARD ASSY	1	CWA28K1195	O
⚠	49	TERMINAL BOARD ASSY	4	CWA28K1196	O
	50	CONTROL BOARD COVER	1	CWH131333	
	52	CABINET TOP PLATE	1	CWE031083A	

SAFETY	NO.	DESCRIPTION & NAME	QTY	CU-3E23SBE	REMARK
	53	CONTROL BOARD COVER	1	CWH13C1194	
	54	CABINET FRONT PLATE	1	CWE06K1065	
	55	CABINET SIDE PLATE	1	CWE041317A	
	56	CABINET SIDE PLATE	1	CWE041395A	
	57	WIRE NET	1	CWD041128A	
	58	HANDLE	1	CWE161010	
	59	TERMINAL COVER	1	CWH171035	
	60	NUT-TERMINAL COVER	1	CWH7080300J	
	61	INSTALLATION INSTRUCTION	1	ACXF60-01250	
	62	INSTALLATION INSTRUCTION	1	ACXF60-01260	
	63	INSTALLATION INSTRUCTION	1	ACXF60-01270	
	64	INSTALLATION INSTRUCTION	1	ACXF60-01280	
	65	INSTALLATION INSTRUCTION	1	ACXF60-01290	
	66	INSTALLATION INSTRUCTION	1	ACXF60-01300	
	67	INSTALLATION INSTRUCTION	1	ACXF60-01310	
	68	INSTALLATION INSTRUCTION	1	ACXF60-01320	
	69	INSTALLATION INSTRUCTION	1	ACXF60-01330	
	70	INSTALLATION INSTRUCTION	1	ACXF60-01340	
	71	INSTALLATION INSTRUCTION	1	ACXF60-01350	
	74	ACCESSORY CO. (DRAIN ELBOW)	1	CWG87C900	
	75	TUBE ASS'Y (LIQUID 1)	1	CWT026282	
	76	TUBE ASS'Y (LIQUID 2)	1	CWT026283	
	77	TUBE ASS'Y (LIQUID 3)	1	CWT026284	
	79	MANIFOLD TUBE ASS'Y (GAS)	1	CWT07K1480	
	80	FLEXIBLE PIPE (L-TUBE)	1	CWH5850080	
	81	PACKING-L.TUBE	1	CWB81012	
	82	CONTROL BOARD COVER-PLATE	1	CWH131364	
	83	LEAD WIRE-COMPRESSOR	1	CWA67C7213	

(Note)

- All parts are supplied from PAPAMY, Malaysia (Vendor Code: 00029488).
- “O” marked parts are recommended to be kept in stock.