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AIR TO WATER HEAT PUMP SYSTEM HEATING & COOLING MONOBLOC TYPE

(DC INVERTER)



REGISTERED NO.
JQ 0065G

Printed in Japan



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The world is yet to discover another quality product from Japan.

Introducing dependable and long-lasting Chofu "AIR TO WATER HEAT PUMP SYSTEMS" for your comfort and luxury.



"CHOFU" is made in Japan.

Chofu continues to manufacture all the air to water heat pump systems in Japan. Superb technology coupled with state-of-the-art production equipment has ensured excellent quality.


You will be more than satisfied with quality with precision and craftsmanship you can expect only from Chofu.

FEATURES

AIR TO WATER HEAT PUMP SYSTEM
HEATING & COOLING


MONOBLOC TYPE

COMPONENTS




DC INVERTER

DC inverter control responds promptly and provides most appropriate capacity load according to heating/cooling demand.



HIGH EFFICIENCY PLATE WATER HEAT EXCHANGER


Renowned heat exchanger mounted and promises high efficient heat transfer.



DC PUMP


High efficient DC pump saves energy and promises reliable water flow.





DC TWIN ROTARY COMPRESSOR

High efficient DC twin rotary compressor realizes highest smooth performance with quiet operation.



DC FAN MOTOR

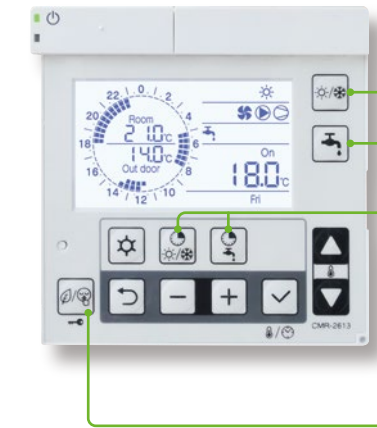
High efficient DC fan motor saves energy and provides smooth and quiet operation.



ANTI-FREEZING HEATER

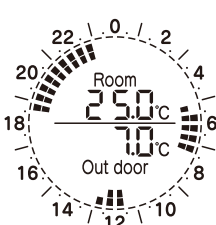
Built-in anti-freezing heater prevents from freezing of drain water in the base.

REMOTE CONTROLLER

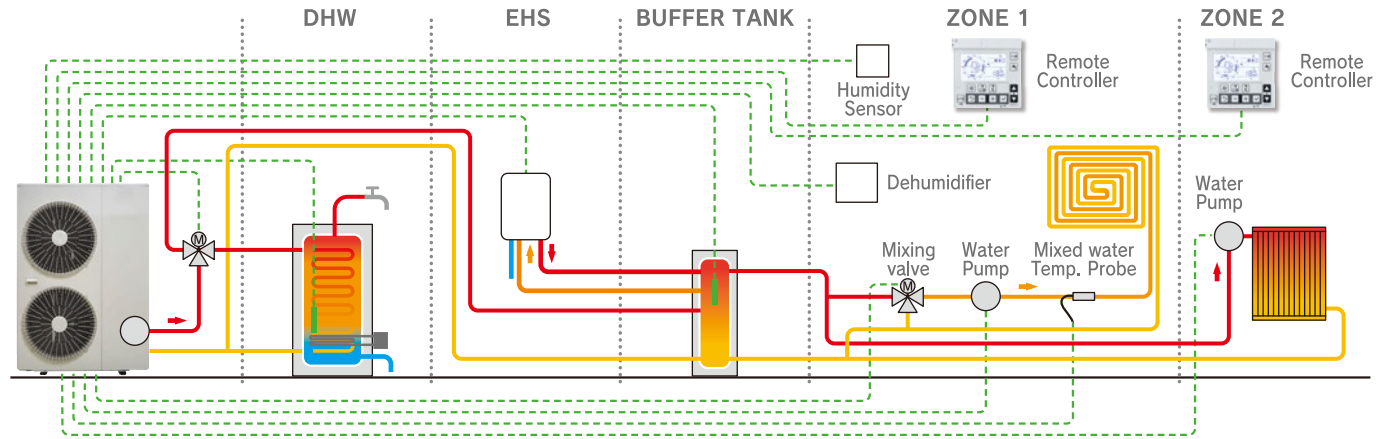


- MODE**
Select Heating / Cooling mode
- DHW**
Domestic Hot Water production
- Weekly Timer**
Domestic Hot Water production
- Low tariff / Night (Key Lock)**
For comfortable use

FUNCTION

- Climatic Curve Setting (Heating & Cooling)
 - Low tariff mode
 - Night Mode (Low Noise Operation)
 - Weekly Timer Operation (Time bands control)
- Timer for Economy / Comfort mode
Example: Comfort ON
① 05:15 ~ 07:30
② 11:30 ~ 12:45
③ 18:30 ~ 23:00
- 
- Legionella prevention
 - Frost protection

SYSTEM CONFIGURATION



The System Controller uses the “zone of greatest demand” strategy for the outlet water temperature required from the Heat Pump (and/or EHS as electric heater or boiler) calculating

DC INVERTER (6kW)

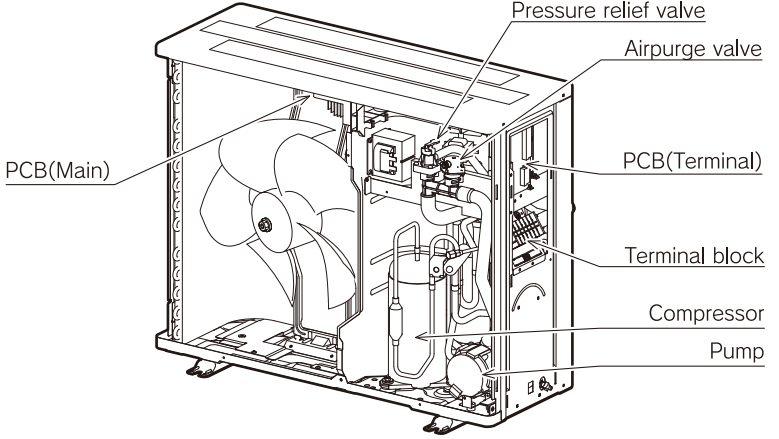
AIR TO WATER HEAT PUMP SYSTEM
HEATING & COOLING

AEYC-0639U



SPECIFICATIONS

Model		AEYC-0639U
Power Supply (Single Phase)		230V 50Hz
Average Low Temperature SCOP		4.1
Average High Temperature SCOP		3.0
Heating (A7W35)	Capacity (Rated)	6.0kW
	Power Input	1.46kW
	Running Current	6.4A
	Power Factor	99.0%
	COP	4.11
Heating (A7W45)	Water Circulation	17.2L/min
	Capacity (Rated)	4.3kW
	Power Input	1.39kW
	COP	3.09
	Water Circulation	12.4L/min
Cooling (A35W18)	Capacity (Rated)	5.0kW
	Power Input	1.285kW
	Running Current	4.5A
	Power Factor	99.0%
	EER	3.89
Cooling (A35W7)	Water Circulation	14.3L/min
	Capacity (Rated)	3.4kW
	Power Input	1.27kW
	EER	2.68
	Water Circulation	9.8L/min
Noise Level (Sound Pressure)	Heating	48dB(A)
	Cooling	47dB(A)
Water Circulation	Max	20L/min
	Min	5L/min
Refrigerant Amount		1.05kg
Max Current	Discharge	10.9A
	Suction	4.1MPa
Max Pressure (Refrigerant)	Rated	1.5MPa
	Max	1.0bar
	Max	3.0bar
Operating Pressure (Water)		3.0bar
Water Capacity		1.0L
Dimensions (H×W×D)	Net	675×825×300(mm)
	Gross	740×980×425(mm)
Weight	Net	52kg
	Gross	55kg
Water Pipe Connection	Outgoing	Φ20
	Return	Φ20
Operating Range	Heating	-20 ~ 35℃
	Cooling	18 ~ 43℃
Leaving Water Temperature	Heating	~ 60℃
	Cooling	6.5℃~



※ Specifications are subject to change without prior notice.

DC INVERTER(10kW)

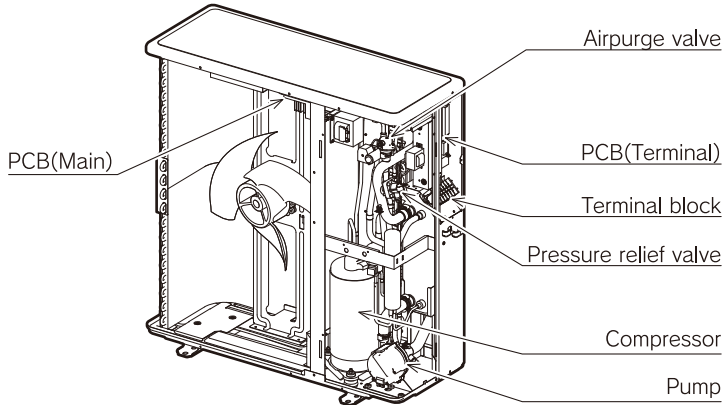
AIR TO WATER HEAT PUMP SYSTEM
HEATING & COOLING

AEYC-1039U



SPECIFICATIONS

Model		AEYC-1039U
Power Supply (Single Phase)		230V 50Hz
Average Low Temperature SCOP		4.4
Average High Temperature SCOP		3.0
Heating (A7W35)	Capacity (Rated)	10.0kW
	Power Input	2.30kW
	Running Current	10.2A
	Power Factor	98.0%
	COP	4.35
Heating (A7W45)	Water Circulation	28.7L/min
	Capacity (Rated)	9.8kW
	Power Input	2.88kW
	COP	3.40
	Water Circulation	28.1L/min
Cooling (A35W18)	Capacity (Rated)	7.1kW
	Power Input	2.06kW
	Running Current	9.2A
	Power Factor	97.4%
	EER	3.45
Cooling (A35W7)	Water Circulation	20.4L/min
	Capacity (Rated)	5.0kW
	Power Input	1.95kW
	EER	2.56
	Water Circulation	14.4L/min
Noise Level (Sound Pressure)	Heating	51dB(A)
	Cooling	51dB(A)
Water Circulation	Max	30L/min
	Min	10L/min
Refrigerant Amount		1.70kg
Max Current		18.3A
Max Pressure (Refrigerant)	Discharge	4.1MPa
	Suction	1.5MPa
Operating Pressure (Water)	Rated	1.0bar
	Max	3.0bar
Water Capacity		1.8L
Dimensions (H×W×D)	Net	882×850×330(mm)
	Gross	945×1040×555(mm)
Weight	Net	71kg
	Gross	77kg
Water Pipe Connection	Outgoing	φ25.4
	Return	φ25.4
Operating Range	Heating	-20 ~ 43℃
	Cooling	20 ~ 43℃
Leaving Water Temperature	Heating	~ 60℃
	Cooling	6.5℃~



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DC INVERTER(16kW)

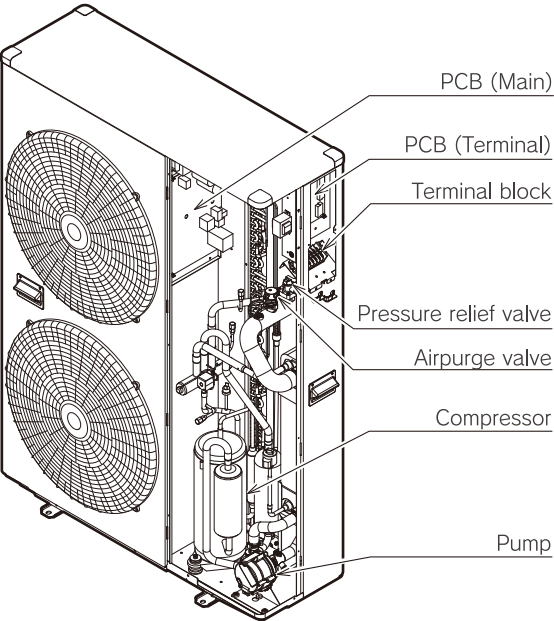
AIR TO WATER HEAT PUMP SYSTEM
HEATING & COOLING

AEYC-1639U



SPECIFICATIONS

Model		AEYC-1639U
Power Supply (Single Phase)		230V 50Hz
Average Low Temperature SCOP		4.2
Average High Temperature SCOP		3.2
Heating (A7W35)	Capacity (Rated)	16.0kW
	Power Input	3.71kW
	Running Current	16.3A
	Power Factor	99.0%
	COP	4.31
Heating (A7W45)	Water Circulation	45.9L/min
	Capacity (Rated)	14.5kW
	Power Input	4.50kW
	COP	3.22
	Water Circulation	41.6L/min
Cooling (A35W18)	Capacity (Rated)	16.0kW
	Power Input	4.10kW
	Running Current	17.8A
	Power Factor	99.0%
	EER	3.90
Cooling (A35W7)	Water Circulation	45.9L/min
	Capacity (Rated)	11.5kW
	Power Input	3.80kW
	EER	3.03
	Water Circulation	33.0L/min
Noise Level (Sound Pressure)	Heating	51dB(A)
	Cooling	51dB(A)
Water Circulation	Max	50L/min
	Min	15L/min
Refrigerant Amount		2.99kg
Max Current		25.3A
Max Pressure (Refrigerant)	Discharge	4.1MPa
	Suction	1.5MPa
Operating Pressure (Water)	Rated	1.0bar
	Max	3.0bar
Water Capacity		2.0L
Dimensions (H×W×D)	Net	1418×1000×330(mm)
	Gross	1610×1120×470(mm)
Weight	Net	119kg
	Gross	132kg
Water Pipe Connection	Outgoing	φ35
	Return	φ35
Operating Range	Heating	-20 ~ 43℃
	Cooling	15 ~ 43℃
Leaving Water Temperature	Heating	~ 60℃
	Cooling	6.5℃~



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