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Samsung air conditioner at:**

www.samsung.com/global/business/system-air-conditioner

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SAMSUNG

2014 SAMSUNG New Ducted Air-Conditioner



SAMSUNG



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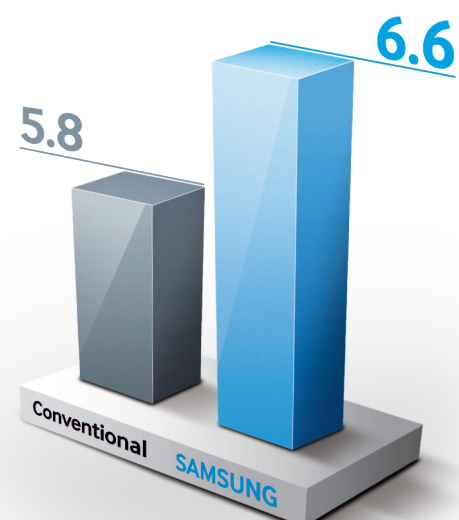
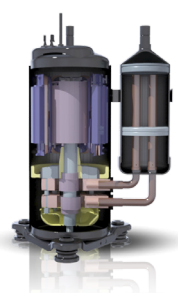


Global Top Efficiency

Achieved Top Energy Efficiency by Adopting Up-to-date Technologies.

Twin Rotary BLDC Compressor

Effective Reluctance by Reducing Fluctuation and Vibration by 75%

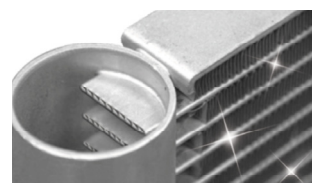


FME/FMC (Flat Micro-channel Evaporator/Condenser)

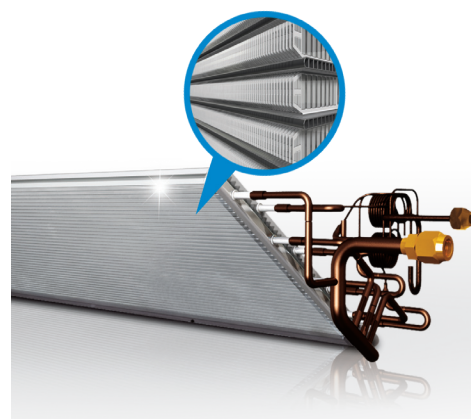
SAMSUNG's FME/FMC(Flat Micro-channel Evaporator/Condenser) Technology Achieves a 30% Increase in Efficiency Compared with the Conventional Fin & Tube Type. It Has Also Enabled a 30% Decrease of Unit Size.

Heat Exchange Ratio	
Fin & Tube	100%
FMC	130%

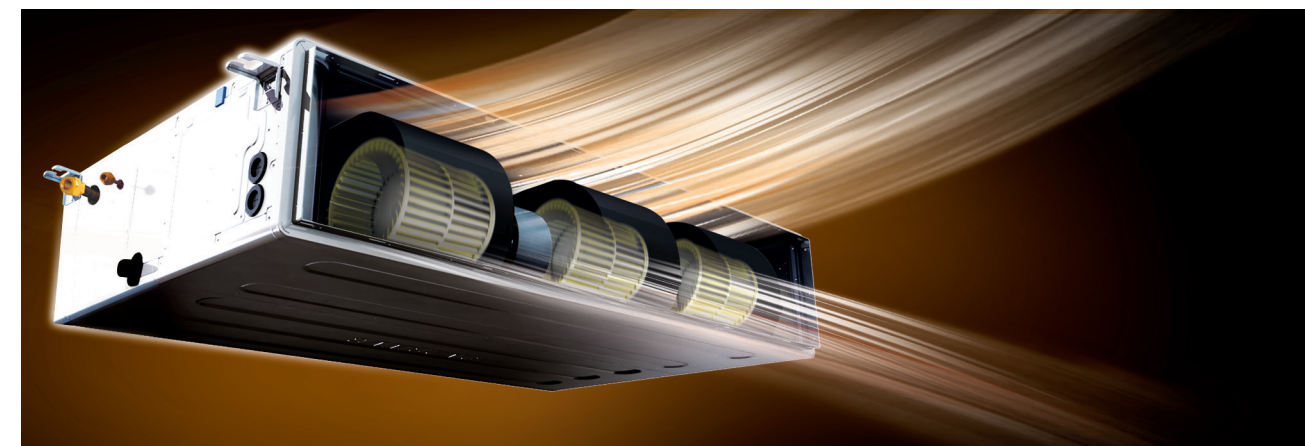
Enhanced Performance
30% Enhanced Heat Exchange Ratio



Anti-Corrosion Coating
Corrosion Resistance Has been Improved Compared to Current Model

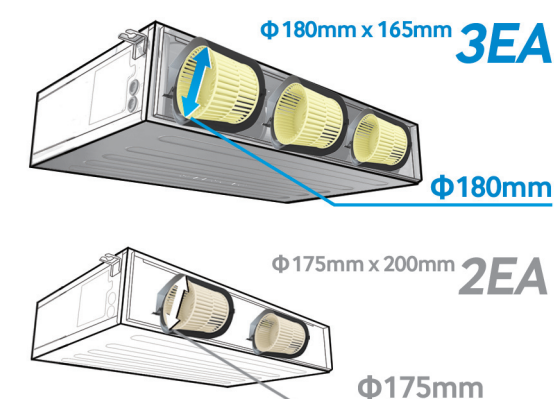


Powerful Cooling



New Sirocco Fan

Ensures Enough Air-volume by Adopting Bigger and Better Fan Compared to Conventional One.

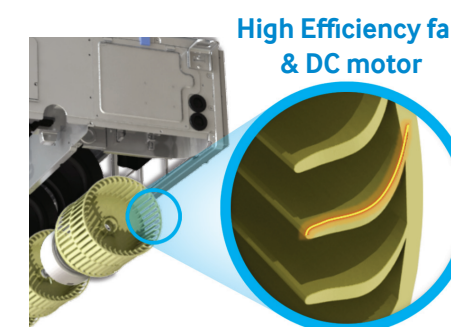


More Silent



Aero-dynamic Blade

Increased Air-volume by 10% with Less Noise.

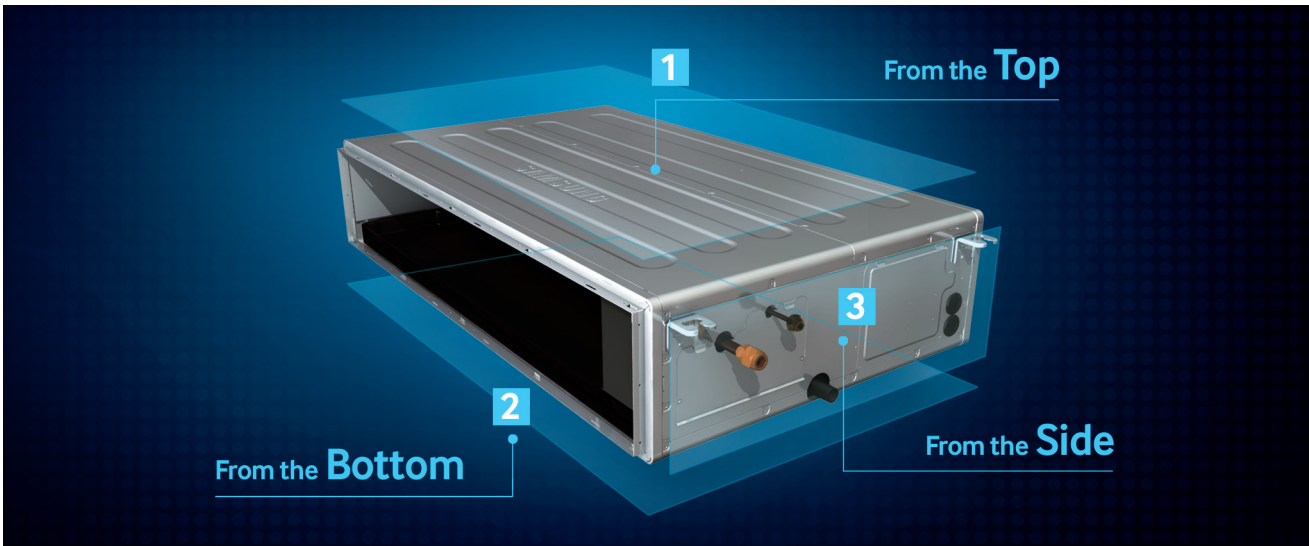


Smart Installation makes it easy and convenient to install and maintain in any building.



Access from 3-directions

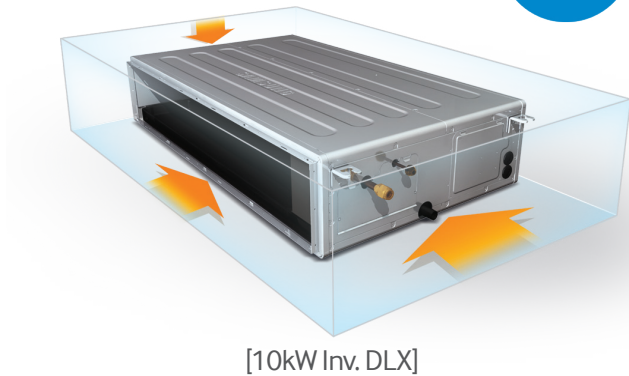
You can also access it from 3 directions (top, side or bottom), and its Slide Fit makes it easier to maintain.



Slim Fit

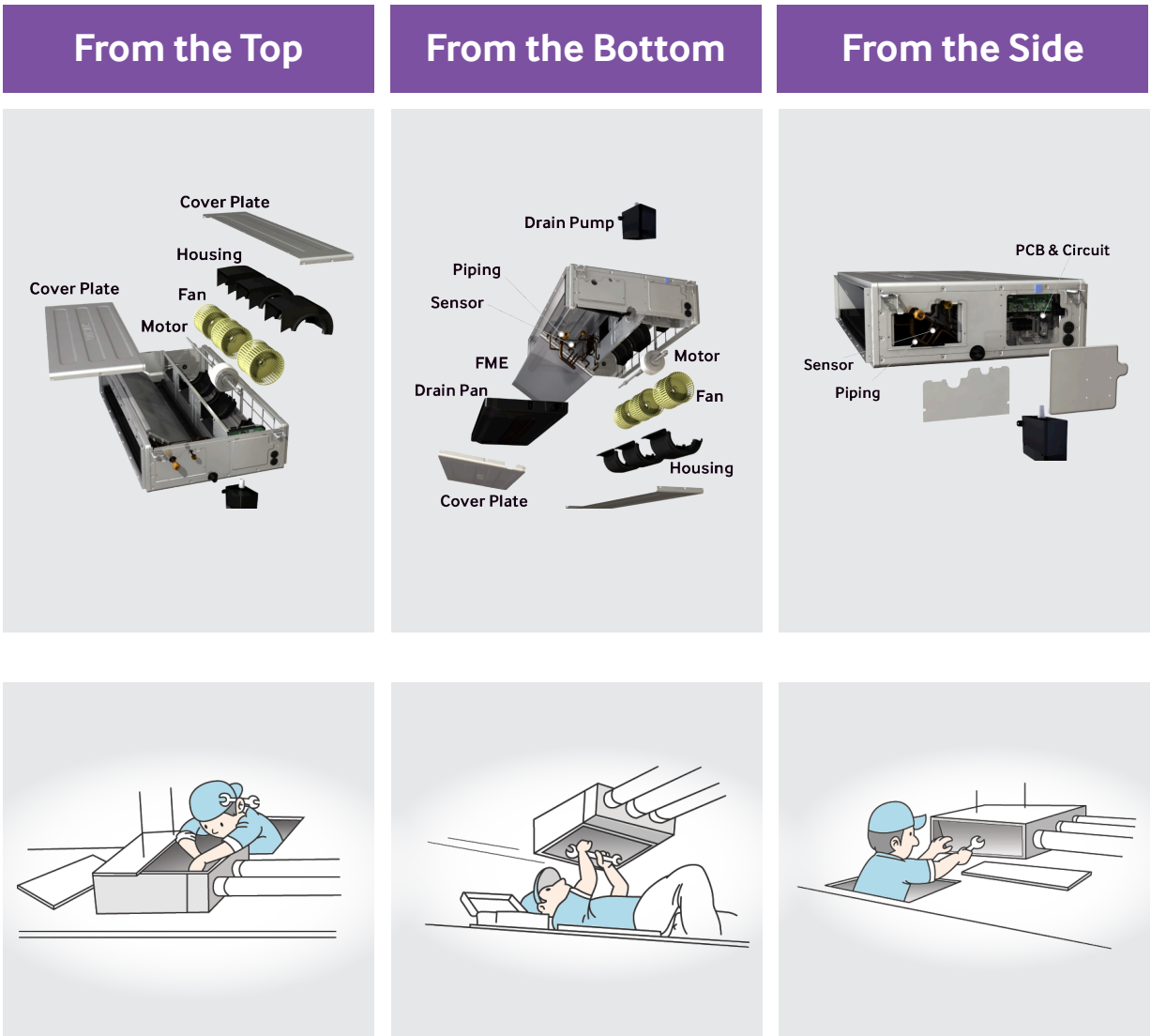
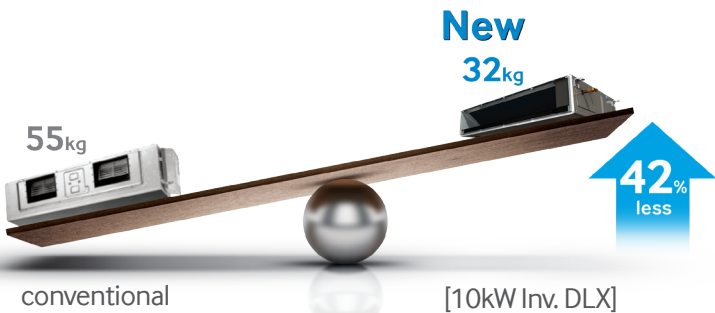
Compact Slim Fit design reduces its volume and weight compared to conventional air conditioners. It's 30% smaller, so it fits into small spaces. Although the size is smaller, but the efficiency is increased.

Less Volume by
vs conventional
30%



Ultimate Light-weight

Easily Handled thanks to Light-weight in the World.

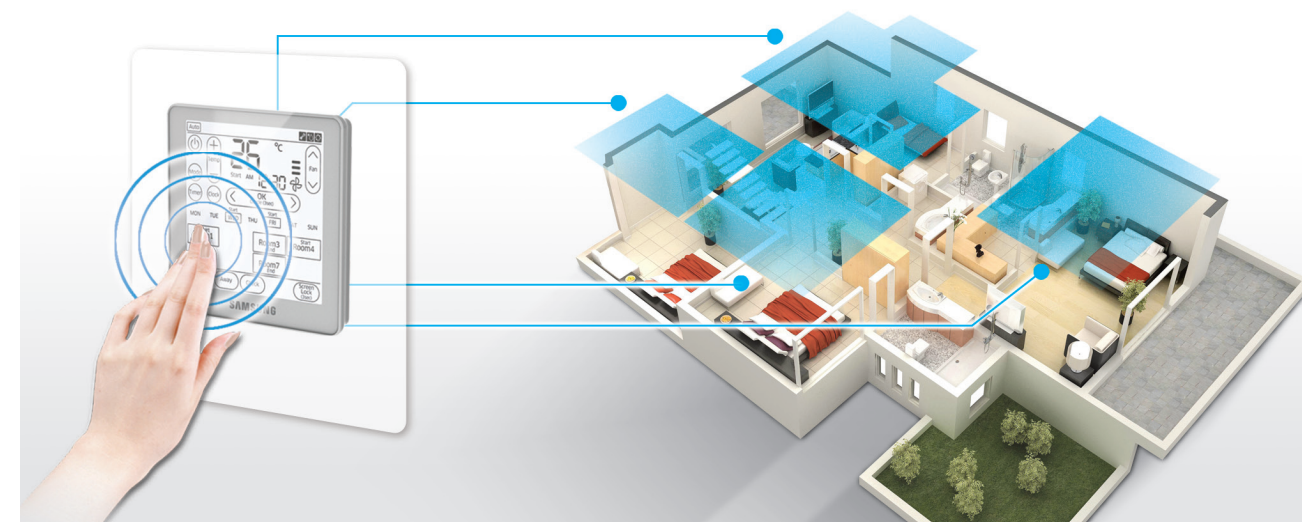


It can be accessed from any direction. (from the top, from the side, and from the bottom)



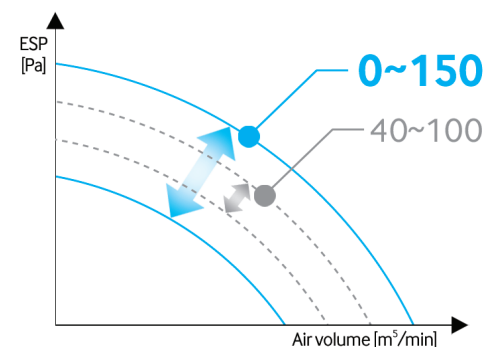
Zone Controller

Zone Controller lets you cool multiple spaces easily and energy-efficiently. Up to 8 zones can be connected and controlled by a single indoor unit, so you can create the perfect atmosphere in different rooms and reduce power consumption by turning on and off the dampers. A wide touch screen, which has a stylish design, enables intuitive and simple operation.



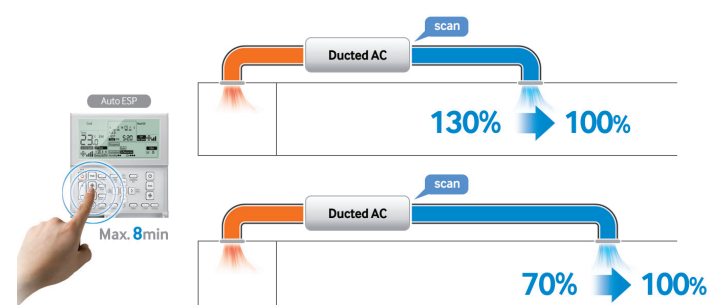
Wide Range of ESP

You can offer a comprehensive range of products. right capacity, right ESP, and right sized product for our customers.



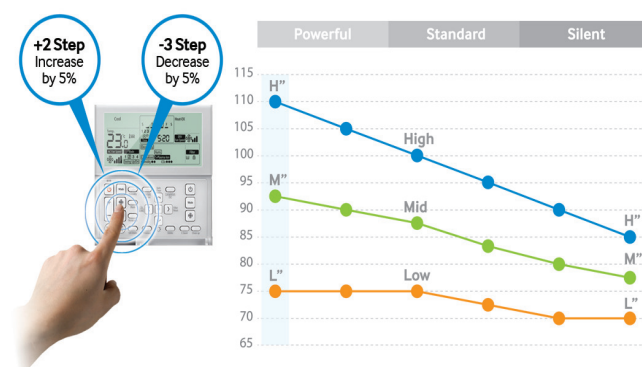
Automatic Air-Volume

Senses the current air volume and pressure then quickly adjusts its performance to ensure optimum comfort, whatever the length of duct.

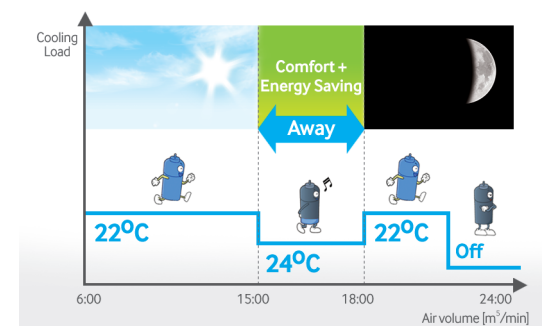


Smart Tuning

Smart Tuning provides the delicate control needed for optimum comfort on any occasion. You can easily fine-tune the power of its operation to suit your level of activity, while also ensuring minimum noise and saving energy.



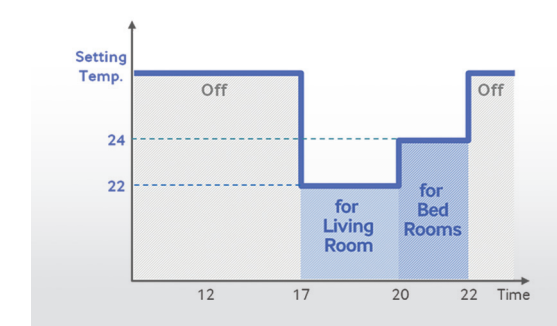
Away Mode



Remain Comfortable, Energy Saving (Thermal Storage Operation)

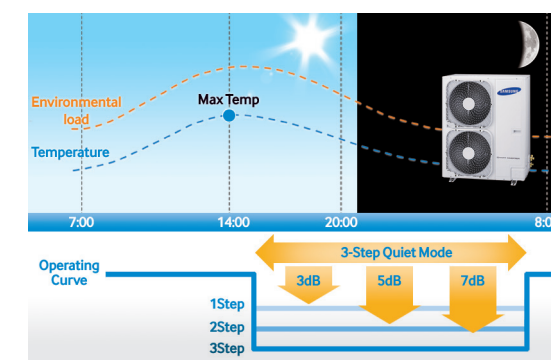
- Keep the Room Cool during Summer Season.
- Keep the Room Warm during Winter Season.

7-Days Programming



You can have separate settings for daytime and nighttime, so you can live and sleep comfortably at home.

3-Step Quiet Mode



- Ensure Quiet Operation during Night Time with Reduced Noise Level at 3~7dB
- 1Step : 3dB, 2Step : 5dB, 3Step : 7dB

Smart Wi-Fi

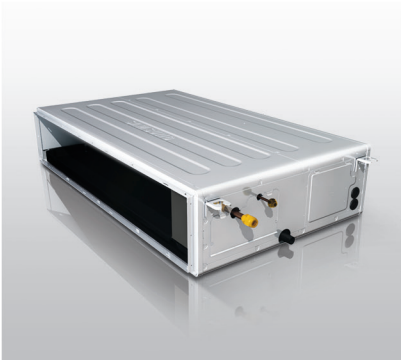


Control AC Anywhere, Anytime (Optional)

- Since You Can Control Your Air Conditioner with Your Smart Phone, You Can Easily Turn It Off from Outside the House.
- Can Connect Optional Wi-Fi Kit.

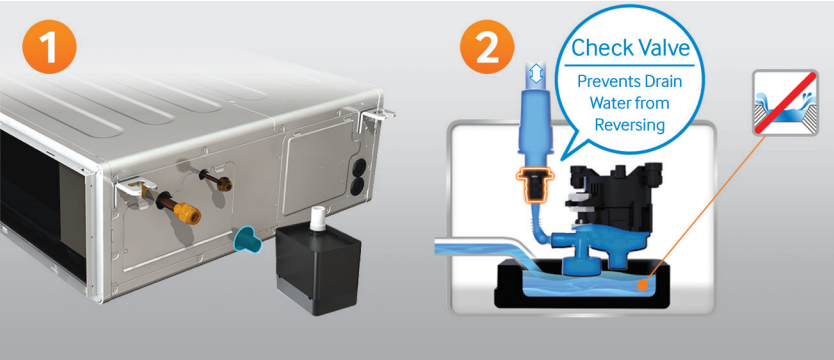
SUB FEATURES

Robust Design



Body-on-frame Design
-any outdoor environment at almost any external temperature

EZ Drain Pump



1. Plug & Connection External Type Drain Pump (Optional)
-Just Plug and Connect It
-Only One Drain Pump throughout All Units

2.Free from Bacteria and Fungi
- It's Free from Bacteria, Fungi, and other Stagnations Because There's No Water on Drain-Pan
Prevent from Back-Flowing of Drain Water

Virus Doctor



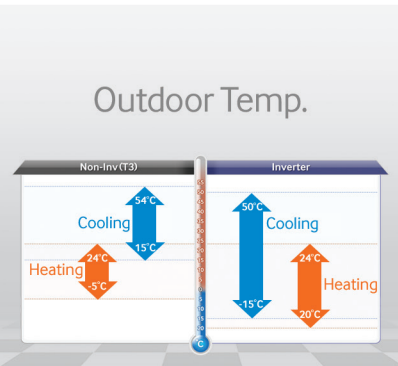
Deliver More Clean Air into Your Room (Optional)
-Eliminates Airborne Virus & Bacteria
-Completely Eradicates Bacteria
-Eradicates Allergens Which Causes Allergies
-Neutralizes OH-radical (Known as Active Oxygen)

EZ Filter



Easy to Assemble & Disassemble

Wide Range of Operation



Any outdoor environment at almost any external temperature
T1, Cooling : -15°C ~ 50°C
Heating : -20°C ~ 24°C
T3, Cooling : 15°C ~ 54°C
Heating : -5°C ~ 24°C

Control System & Accessories

Classification	Model Code	Image		Application
Individual Control	MR-DH00		Wireless Remote Controller	Heat pump
	MR-DC00			Cooling only
	MWR-WE10		Wired Remote Controller	"Inv.(Smart tunning, Smart Air Volume, Virus Dr. Away, Quiet) On/off (mart tunning, Smart Air Volume, Virus Dr.)"
	MWR-SH00			"Inv.(Smart tunning, Smart Air Volume, Virus Dr. Quiet) On/off (mart tunning, Smart Air Volume, Virus Dr.)"
	MRK-A10		Wireless Signal Receiver	Ducted A/C. For wireless remote controller & wire
	MWR-ZS00		Zone Control Package	Inv.(Smart tunning, Smart Air Volume, Virus Dr. Away, Quiet)
	MWR-ZS10		Zone Controller	Inv.(Smart tunning, Smart Air Volume, Virus Dr. Away, Quiet)
	MIM-H02		WI-FI KIT	Inv.(For control outside)
	MRW-TA		External Remote Temp. Sensor	Inv. On/off
Centralized Control	MCM-A202D		Centralized Controller	Inv. On/off
Interface Module	MIM-B14		External Contact Module	Inv. On/off
	MIM-B13D		Interface Module	Inv. On/off
Building Management System	MIM-D00A		DMS 2.0	Inv.
	MST-P3P		S-NET 3	Inv.
	MIM-B18		Lonworks G/W	Inv.
	MIM-B17		BACnet G/W	Inv.
Instaface Module	MIM-B16		Electricity Meter Instaface Module	Inv.
	MCM-B102			Inv.
Converter	MIM-N01		NASA Converter	Inv. On/off
	MIM-C02N		S-Net Converter	Inv.
Accessories	MDP-G075SP		"Drain Pump (External)"	Inv. On/off
	MDP-G075SQ		"Drain Pump (Internal)"	Inv. On/off
	MSD-EAN1		Virus Doctor	Inv. On/off

SPECIFICATIONS

Market			EUROPE	EUROPE	EUROPE	EUROPE	EUROPE	EUROPE	EUROPE
Type			New Ducted	New Ducted	New Ducted	New Ducted	New Ducted	New Ducted	New Ducted
Model Name			Indoor Unit Outdoor Unit	AC052HBLDKH/EU AC052HCADKH/EU	AC071HBLDKH/EU AC071HCADKH/EU	AC035HBMDKH/EU AC035HCADKH/EU	AC052HBMDKH/EU AC052HCADKH/EU	AC060HBMDKH/EU AC071HBMDKH/EU	AC090HBMDKH/EU AC090HCADKH/EU
System	Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
	Capacity	Cooling (Min / Std / Max)	kW	1.2/5.0/6.0	2.0/7.1/8.0	1.35/3.5/4.0	1.2/5.0/6.0	1.8/6.0/7.5	2.6/9.0/11.5
			Btu/h	-	-	-	-	-	-
		Heating (Min / Std / Max)	kW	1.1/6.0/7.2	1.5/8.0/9.0	1.25/4.0/4.6	1.1/6.0/7.2	1.5/7.0/8.5	2.8/10.0/15.5
	Power		Btu/h	-	-	-	-	-	-
		Power Input	Cooling (Min / Std / Max)	0.35/1.56/2.20	0.47/2.21/3.00	0.32/1.10/1.50	0.35/1.56/2.20	0.43/1.76/2.70	0.7/2.8/4.5
		(Nominal)	Heating (Min / Std / Max)	0.26/1.66/2.70	0.36/2.30/3.50	0.25/1.02/1.50	0.26/1.66/2.70	0.38/1.89/3.30	0.65/2.77/5.5
		Current Input	Cooling (Min / Std / Max)	2.1/7.2/10	2.8/9.8/13.3	2.1/5.1/6.8	2.1/7.2/10	2.6/7.9/12	4.0/13.0/19.5
		(Nominal)	Heating (Min / Std / Max)	1.7/7.5/12.0	2.2/10.2/15.5	1.7/4.7/6.8	1.7/7.5/12	2.3/8.4/14	3.4/12.5/24.0
		MCA	A	22	22	18.7	22.7	22.7	26.7
		MFA	A	25	25	20.6	25	25	30
	Energy Efficiency	EER (Nominal Cooling)	-	3.21	3.21	3.18	3.21	3.41	3.21
		COP (Nominal Heating)	-	3.61	3.48	3.92	3.61	3.7	3.61
		Energy Grade	Energy Grade (C)	6.1 (A++)	5.9 (A+)	5.4 (A)	6.1 (A++)	5.9 (A+)	5.7 (A+)
			Energy Grade (H)	3.8 (A)	4.0 (A+)	3.8 (A)	4.0 (A+)	4.0 (A+)	4.0 (A+)
	Piping Connections	*EU Pdesign-H(Average/Warmer/Colder)		3.60	4.80	2.00	3.60	4.8	6.80
		Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	9.52
			Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
		Gas Pipe	Φ, mm	12.7	15.88	9.52	12.7	15.88	15.88
			Φ, inch	1/2"	5/8"	3/8"	1/2"	5/8"	5/8"
		Installation Limitation	Max. Length (Outdoor to indoor)	30	50	20	30	50	50
Indoor Unit	Fan		Max. Height (Between ID/OD)	20	30	15	20	30	30
		Field Wiring	Power Source Wire	Φ, mm	-	-	-	-	-
			Transmission Cable	Φ, mm	-	-	-	-	-
	Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A
		Control Method	-	EEV	EEV	EEV	EEV	EEV	EEV
		Factory Charging	kg	1.3	1.5	0.9	1.3	1.5	2.6
	Power Supply		Φ, #, V, Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz
	Fan	Type	-	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
		Motor	Output	W	153	153	153	153	153
		Number of Unit	EA	3	3	2	2	2	3
		Air Flow Rate	High / Mid / Low	CMM	15/12/9	20/15/10	12/9.5/8	16/13.5/11	21/18/15
				l/s	-	-	-	-	-
	Drain	External Static Pressure	Min / Std / Max	mmAq	0/3.0/4.0	0/3.0/4.0	0/2.5/15	0/3/15	0/3/15
				Pa	-	-	-	-	-
	Sound	Drain Pipe	Φ,mm	VP25(OD32, ID25)	VP25(OD32, ID25)	VP25(OD32, ID25)	VP25(OD32, ID25)	VP25(OD32, ID25)	VP25(OD32, ID25)
		Sound Pressure	High / Mid / Low	dB(A)	33/30/27	37/34/31	32/29/26	33/30/27	37/33/29
	External Dimension	Sound Power	Cooling Std High	55	59	52	53	57	61
		Net Weight		kg	22.5	22.5	25.0	25.0	32.0
		Shipping Weight		kg	26.0	26.0	29.0	29.0	37.0
		Net Dimensions (WxHxD)		mm	1100*200*450	1100*200*450	850*250*700	850*250*700	1200*250*700
		Shipping Dimensions (WxHxD)		mm	1350*270*530	1350*270*530	1100*320*780	1100*320*780	1450*320*780
	Panel Size (Cassette Type)	Panel model name	-	-	-	-	-	-	-
		Panel Net Weight	kg	-	-	-	-	-	-
		Shipping Weight	kg	-	-	-	-	-	-
		Net Dimensions (W H D)	mm	-	-	-	-	-	-
		Shipping Dimensions (W H D)	mm	-	-	-	-	-	-
Outdoor Unit	Additional Accessories (Duct Type)	Model Name	-	**	**	**	**	**	**
		Drain Pump	Drain pump	TYPE	Option	Option	Option	Option	Option
			Max. Lifting Height / Displacement	mm/liter/h	-	-	-	-	-
	Air Filter		-	-	-	-	-	-	-
	Power Supply		Φ, #, V, Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V, 50Hz	1,220~240V,50Hz	1,220~240V, 50Hz	3,380~415V, 50Hz
	Compressor	Type	-	Twin Rotary	Twin Rotary	Single Rotary	Twin Rotary	Twin Rotary	Twin Rotary
		Model	-	UG4T150LNBEQ	UG4T200LNFE4	UG9A090FUAER	UG4T150LNBEQ	UG4T200LNFE4	UG8T300LNBJU
		Output	kW	-	-	-	-	-	-
	Oil	Type	-	-	-	-	-	-	-
		Initial Charge	cc	-	-	-	-	-	-
	Fan	Air Flow Rate	Cooling	CMM	51.0	59.0	42.0	51.0	59.0
				l/s	-	-	-	-	-
		Number of Unit		EA	1	1	1	1	1
	Sound	Sound Pressure	Cooling / Heating Std High	48/48	49/51	47/47	48/48	49/50	52/54
		Sound Power	Cooling Std High	63	65	63	63	64	68
	External Dimension	Net Weight		kg	45	55	29.5	45	55
		Shipping Weight		kg	48	59	32	48	59
		Net Dimensions (WxHxD)		mm	880*638*310	880*798*310	720*548*265	880*638*310	880*798*310
		Shipping Dimensions (WxHxD)		mm	1024*750*414	1023*891*413	844*622*353	1024*750*414	1023*891*413
	Operating Temp. Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
		Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

SPECIFICATIONS

Market Type				EUROPE	EUROPE	EUROPE	EUROPE	EUROPE	EUROPE	
				New Ducted	New Ducted	New Ducted	New Ducted	New Ducted	New Ducted	
Model Name				AC100HBMDKH/EU	AC100HBMDKH/EU	AC120HBMDKH/EU	AC120HBMDKH/EU	AC140HBMDKH/EU	AC140HBMDKH/EU	
Indoor Unit				AC100HCADKH/EU	AC100HCADNH/EU	AC120HCADKH/EU	AC120HCADNH/EU	AC140HCADKH/EU	AC140HCADNH/EU	
System	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
	Capacity	Cooling (Min / Std / Max)		kW	2.8/10.0/12.0	2.8/10.0/12.0	3.0/12.0/13.5	3.0/12.0/13.5	4.6/14.0/15.4	4.6/14.0/15.4
				Btu/h	-	-	-	-	-	-
		Heating (Min / Std / Max)		kW	2.9/11.2/15.5	2.9/11.2/15.5	2.5/13.0/17.0	2.5/13.0/17.0	3.7/16.0/18.0	3.7/16.0/18.0
			Btu/h	-	-	-	-	-	-	
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	kW	0.75/3.215/5.0	0.75/3.215/5.0	0.9/4.4/5.5	0.9/4.4/5.4	1.0/4.63/5.5	1.0/4.63/5.5
		Heating (Min / Std / Max)			0.65/3.10/5.5	0.65/3.10/5.5	0.7/3.5/5.9	0.7/3.5/5.9	0.8/4.43/5.7	0.8/4.43/5.7
		Current Input (Nominal)	Cooling (Min / Std / Max)	A	4.3/15.0/21.5	1.6/5.4/7.5	5.0/19.5/24.0	1.9/7.0/8.6	5.6/21.6/24.0	2.1/7.5/9.5
		Heating (Min / Std / Max)			3.4/14.0/24.0	1.4/5.2/9.0	4.0/15.5/26.5	1.5/5.8/9.0	4.5/19.7/25.0	1.7/7.1/8.8
		MCA		A	26.7	14.7	26.7	14.7	26.7	14.7
	MFA		A	30	16.2	30	16.2	30	16.2	
	Energy Efficiency	EER (Nominal Cooling)		-	3.11	3.11	2.73	2.73	3.02	3.02
		COP (Nominal Heating)		-	3.61	3.61	3.71	3.71	3.61	3.61
		Energy Grade	Energy Grade (C)	-	5.6 (A+)	5.6 (A+)	5.3(A)	5.3(A)	-	-
		Energy Grade	Energy Grade (H)	-	4.0 (A+)	4.0 (A+)	4.0(A+)	4.0(A+)	-	-
	*EU Pdesign-H(Average/Warmer/Colder)			-	6.80	6.80	7.00	7.00	-	-
	Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	9.52	9.52	9.52	9.52
				Φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
		Gas Pipe		Φ, mm	15.88	15.88	15.88	15.88	15.88	15.88
				Φ, inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
		Installation Limitation	Max. Length (Outdoor to indoor)	m	50	50	50	50	75	75
	Field Wiring	Power Source Wire		Φ, mm	-	-	-	-	-	-
		Transmission Cable		Φ, mm	-	-	-	-	-	-
	Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
		Control Method		-	EEV	EEV	EEV	EEV	EEV	EEV
		Factory Charging		kg	2.6	2.6	2.7	2.7	2.8	2.8
Indoor Unit	Power Supply			Φ, #, V, Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz	1,220~240V,50Hz	
	Type			-	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	
	Fan	Motor	Output	W	153	153	244	244	244	244
		Number of Unit		EA	3	3	3	3	3	3
		Air Flow Rate	High / Mid / Low	CMM	32/27/22	32/27/22	38/32/25	38/32/25	42/34/25	42/34/25
				l/s	-	-	-	-	-	-
		External Static Pressure	Min / Std / Max	mmAq	0/4/15	0/4/15	0/5.2/15	0/5.2/15	0/5.2/15	0/5.2/15
	Drain	Drain Pipe		Φ,mm	-	-	-	-	-	-
		Sound Pressure	High / Mid / Low	dB(A)	38/35/32	38/35/32	39/36/33	39/36/33	40/37/33	40/37/33
	Sound	Sound Power			61	61	65	65	66	66
		Cooling Std High			61	61	65	65	66	66
	External Dimension	Net Weight		kg	32.0	32.0	36.0	36.0	36.0	36.0
		Shipping Weight		kg	37.0	37.0	42.0	42.0	42.0	42.0
		Net Dimensions (WxHxD)		mm	1200*250*700	1200*250*700	1300*300*700	1300*300*700	1300*300*700	1300*300*700
		Shipping Dimensions (WxHxD)		mm	1450*320*780	1450*320*780	1550*370*780	1550*370*780	1550*370*780	1550*370*780
		Panel model name		-	-	-	-	-	-	-
	Panel Size (Cassette Type)	Panel Net Weight		kg	-	-	-	-	-	-
		Shipping Weight		kg	-	-	-	-	-	-
		Net Dimensions (W H D)		mm	-	-	-	-	-	-
		Shipping Dimensions (W H D)		mm	-	-	-	-	-	-
				-	-	-	-	-	-	-
	Additional Accessories (Duct Type)	Model Name		-	**	**	**	**	**	**
		Drain Pump	TYPE	-	Option	Option	Option	Option	Option	Option
		Max. Lifting Height / Displacement	mm/liter/h	-	-	-	-	-	-	-
	Air Filter			-	-	-	-	-	-	-
	Outdoor Unit	Power Supply			Φ, #, V, Hz	1,220~240V,50Hz	1,220~240V,50Hz	3,380~415V, 50Hz	1,220~240V, 50Hz	3,380~415V, 50Hz
Type			-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary		
Compressor		Model		-	UG8T300LNBJU	UG8T300FUCJU	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJX
		Output		kW	-	-	-	-	-	-
		Oil			-	-	-	-	-	-
Fan		Air Flow Rate	Cooling	CMM	68.3	68.3	70.0	70.0	91.0	91.0
				l/s	-	-	-	-	-	-
		Number of Unit		EA	1	1	1	1	2	2
Sound		Sound Pressure	Cooling / Heating Std High	dB(A)	52/54	52/54	54/56	54/56	53/54	53/54
		Sound Power			69	69	70	70	70	70
External Dimension		Net Weight		kg	70	72	77	79	88	90
		Shipping Weight		kg	74	76	82	84	98	100
		Net Dimensions (WxHxD)		mm	940*998*330	940*998*330	940*998*330	940*998*330	940*1210*330	940*1210*330
		Shipping Dimensions (WxHxD)		mm	995*1096*426	995*1096*426	995*1096*426	995*1096*426	995*1388*426	995*1388*426
Operating Temp. Range		Cooling		°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
		Heating		°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.