

## 2. Specification

Model Name		Indoor Unit			AC100MNTDEH/EU	AC100MNTDEH/EU	AC100MNTCEH/EU	AC100MNTCEH/EU	
		Outdoor Unit			AC100MXADKH/EU	AC100MXADNH/EU	AC100JXSCEH/EU	AC100JXSCGH/EU	
System	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	3.0/9.5/11.0	3.0/9.5/11.0	3.5/10.0/12.0	3.5/10.0/12.0	
				Btu/h	10,200/32,400/37,500	10,200/32,400/37,500	11,900/34,100/40,900	11,900/34,100/40,900	
			Heating	kW	2.2/10.8/15.5	2.2/10.8/15.5	3.3/11.2/17.0	3.3/11.2/17.0	
				Btu/h	7,500/36,800/52,900	7,500/36,800/52,900	11,300/38,200/58,000	11,300/38,200/58,000	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.6/3.8/5.1	0.6/3.8/5.1	0.85/3.45/4.2	0.85/3.45/4.2	
			Heating		0.46/3.75/5.4	0.46/3.75/5.4	0.72/3.64/6.9	0.72/3.64/6.9	
		Current Input (Min/Std/Max)	Cooling	A	3.0/16.7/22.5	1.5/5.9/7.7	4.2/15.1/18.5	1.4/5.3/6.4	
			Heating		2.5/16.6/23.0	1.2/5.8/8.4	3.6/16.0/30.0	1.3/5.6/11.0	
		Current	MCA	A	25.1	17.2	33.1	13.1	
			MFA	A	30	17.2	40	15	
	Energy Efficiency	EER	Cooling	-	2.50	2.50	2.90	2.90	
		COP	Heating	-	2.88	2.88	3.08	3.08	
		SEER (Cooling Energy Grade)			-	5.8 (A+)	5.8 (A+)	6.0 (A+)	6.0 (A+)
		SCOP (Heating Energy Grade)			-	4.0 (A+)	4.0 (A+)	4.0 (A+)	4.0 (A+)
		Pdesignh			kW	5.6	5.6	6.5	6.5
	Piping Connections	Liquid Pipe			Type	Flare connection	Flare connection	Flare connection	Flare connection
					Φ,mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe			Type	Flare connection	Flare connection	Flare connection	Flare connection
					Φ,mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Heat Insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5	5	5	
			Max.	m	50	50	75	75	
			Elevation	m	30	30	30	30	
	Chargeless		m	30	30	5	5		
	Wiring Connections	Communication	Min.	mm²	0.75	0.75	0.75	0.75	
			Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	
		Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
	Refrigerant	Type			-	R410A	R410A	R410A	R410A
		Control Method			-	EEV	EEV	EEV	EEV
		Factory Charging			kg	3.0	3.0	2.9	2.9
					tCO2e	6.3	6.3	6.1	6.1
Indoor Unit	Power Supply			Φ, #, V, Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube	
		Material		-	Al	Al	Al	Al	
				-	Cu	Cu	Cu	Cu	
		Fin Treatment			-	Green Hydrophile	Green Hydrophile	Green Hydrophile	Green Hydrophile

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Indoor Unit	Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Quantity	EA	1	1	1	1
		Air Flow Rate	CMM	24.0/21.5/19.0	24.0/21.5/19.0	24.0/21.5/19.0	24.0/21.5/19.0
			l/s	400/358/317	400/358/317	400/358/317	400/358/317
		External Static Pressure	mmAq	-	-	-	-
			Pa	-	-	-	-
	Fan Motor	Type	-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
		Output	W x n	58 x 1	58 x 1	58 x 1	58 x 1
	Drain	Drain Pipe	Φ,mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
	Sound	Sound Pressure	High/Mid/Low/(Silence) dB(A)	49/46/43/37	49/46/43/37	49/46/43/37	49/46/43/37
		Sound Power	Cooling Std High dB(A)	65	65	65	65
	External Dimension	Net Weight	kg	18.5	18.5	18.5	18.5
		Shipping Weight	kg	21.5	21.5	21.5	21.5
		Net Dimensions (WxHxD)	mm	1280 x 345 x 253	1280 x 345 x 253	1280 x 345 x 253	1280 x 345 x 253
		Shipping Dimensions (WxHxD)	mm	1352 x 326 x 420	1352 x 326 x 420	1352 x 326 x 420	1352 x 326 x 420
	Casing	Material	-	HIPS	HIPS	HIPS	HIPS
	Control System	Infrared remote control	-	MR-EH00	MR-EH00	MR-EH00	MR-EH00
		Wired remote control	-	MWR-WE10N MWR-WE11N	MWR-WE10N MWR-WE11N	MWR-WE10N MWR-WE11N	MWR-WE10N MWR-WE11N
	Additional Accessories	Drain pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
			Max. Lifting Height / Displacement	mm/ liter/h	-	-	-
		Air Filter	-	-	-	-	-
Outdoor Unit	Power Supply		Φ, #, V, Hz	1Φ, 2, 220-240V, 50Hz	3Φ, 4, 380-415V, 50Hz	1Φ, 2, 220-240V, 50Hz	3Φ, 4, 380-415V, 50Hz
	Heat Exchanger	Type	-	Fin & Tube	Fin & Tube	FMC	FMC
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Al	Al
		Fin Treatment	-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name	-	UG8T300FUBJU	UG8T300FUCJU	UG5T450FXAJX	UG5T450FXAJX
		Type	-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
		Output	kW	2.82	2.82	4.01	4.01
		Oil	Type	-	PVE	PVE	PVE
			Initial Charge	cc	1200	1700	1700

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Outdoor Unit	Fan	Type		-	Propeller	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front	Front
		Quantity		EA	1	1	2	2
		Air Flow Rate		m³/min	78	78	112	112
				l/s	1300	1300	1867	1867
	Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 1	125 x 2	125 x 2
	Sound	Sound Pressure	Cooling / Heating	dB(A)	52/54	52/54	50/50	50/50
		Sound Power		dB(A)	69	69	66	66
	External Dimension	Net Weight		kg	72	72	96	96
		Shipping Weight		kg	77	77	106	106
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1096 x 426	995 x 1096 x 426	995 x 1598 x 426	995 x 1598 x 426
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range	Cooling		°C	-15 ~ 50	-15 ~ 50	-20 ~ 50	-20 ~ 50
		Heating		°C	-20 ~ 24	-20 ~ 24	-25 ~ 24	-25 ~ 24

### NOTE

- Specification may be subject to change without prior notice.
- Specification comply with EN14511.
  - \* Capacities are based on (Equivalent refrigerant piping 5m, Level differences 0m);
    - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
    - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  - \* Sound power level is an absolute value that a sound source generates.
    - Sound power level is based on cooling operation.
    - Sound pressure level is a relative value, depending on the distance and acoustic environment.
    - Sound values are obtained in an anechoic room.
    - Sound values of multi combination are theoretical values based on sound results of individual installed units.
  - \* These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.
- In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on [pvi.samsung.com](http://pvi.samsung.com) site.