

4 Wall-mounted (AR5000)

4-1) Specifications

Type				AR5000		AR5000		AR5000				
Model Name		Indoor Unit		AC026KNADEH/EU		AC035KNADEH/EU		AC071KNADEH/EU				
		Outdoor Unit		AC026JXSCEH/EU		AC035JXSCEH/EU		AC071JXSCEH/EU				
System	Mode			Heat Pump		Heat Pump		Heat Pump				
	Capacity	Cooling(Min/Std/Max)		kW	1.00 / 2.60 / 3.60		1.10 / 3.50 / 4.40		2.00 / 7.10 / 8.50			
				Btu/h	3,400 / 8,900 / 12,300		3,800 / 11,900 / 15,000		6,800 / 24,200 / 29,000			
		Heating(Min/Std/Max)		kW	1.00 / 3.40 / 6.40		1.10 / 4.30 / 7.10		3.00 / 8.00 / 10.00			
				Btu/h	3,400 / 11,600 / 21,800		3,800 / 14,700 / 24,200		10,200 / 27,300 / 34,100			
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.24 / 0.61 / 0.90		0.25 / 0.94 / 1.26		0.75 / 1.86 / 2.30			
			Heating(Min/Std/Max)		0.18 / 0.75 / 1.90		0.19 / 1.02 / 2.20		0.56 / 2.33 / 5.10			
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.60 / 3.10 / 4.30		1.60 / 4.40 / 5.90		4.10 / 8.40 / 10.30			
			Heating(Min/Std/Max)		1.30 / 3.60 / 8.50		1.30 / 4.70 / 9.50		3.00 / 10.60 / 22.00			
		MCA		A	11.00		11.00		25.00			
		MFA		A	12.50		12.50		30.00			
	Energy Efficiency	EER (Nominal Cooling)		-	4.26		3.72		3.82			
		COP (Nominal Heating)		-	4.53		4.22		3.43			
		Energy Grade		-	SEER 8.5 (A+++)		SEER 8.0 (A++)		SEER 6.5 (A++)			
				-	SCOP 4.7 (A++)		SCOP 4.6 (A++)		SCOP 4.0 (A+)			
	Piping Connections	Liquid Pipe			Ø, mm	6.35		6.35		9.52		
					Ø, inch	1/4"		1/4"		3/8"		
			Gas Pipe			Ø, mm	9.52		9.52		15.88	
						Ø, inch	3/8"		3/8"		5/8"	
		Installation Limitation	Max. Length	m	20		20		75			
			Max. Height	m	15		15		30			
	Field Wiring	Power Source Wire		Ø, mm	-		-		-			
		Transmission Cable		Ø, mm	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50			
	Refrigerant	Type		-	R410A		R410A		R410A			
		Control Method		-	-		-		-			
		Factory Charging		kg / tCO2e	1.27 / 2.65		1.27 / 2.65		2.90 / 6.06			
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50			
	Fan	Type		-	Crossflow Fan		Crossflow Fan		Crossflow Fan			
		Motor	Output	W	27 x 1		27 x 1		27 x 1			
				CMM	11.00 / 7.50 / 6.00		11.00 / 8.00 / 6.50		17.00 / 15.00 / 13.00			
		Air Flow Rate	High/Mid/Low	l/s	183.33 / 125.00 / 100.00		183.33 / 133.33 / 108.33		283.33 / 250.00 / 216.67			
		External Static Pressure		Min/Std/Max	mmAq	-		-		-		
	Pa				-		-		-			
	Drain	Drain Pipe		Ø,mm	ID18 HOSE		ID18 HOSE		ID18 HOSE			
	Sound	Pressure	High/Mid/Low/Silence		dB(A)	38 / 30 / 23 / 19		38 / 32 / 25 / 21		43 / 40 / 35 / 30		
		Power	Cooling			56		58		61		
	External Dimension	Net Weight		kg	11.00		11.00		14.50			
		Shipping Weight		kg	12.50		12.50		17.00			
		Net Dimensions (WxHxD)		mm	896 x 261 x 261		896 x 261 x 261		1,065 x 301 x 294			
		Shipping Dimensions (WxHxD)		mm	956 x 317 x 335		956 x 317 x 335		1,123 x 354 x 384			
	Panel Size	Panel model		-	-		-		-			
		Panel Net Weight		kg	-		-		-			
		Shipping Weight		kg	-		-		-			
		Net Dimensions (WxHxD)		mm	-		-		-			
		Shipping Dimensions (WxHxD)		mm	-		-		-			
	Additional Accessories	Drain pump	Drain pump	-	-		-		-			
			Max. Lifting	mm/liter/h	-		-		-			
		Air Filter		-	-		-		-			
	Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50		
		Compressor	Type		-	BLDC Rotary		BLDC Rotary		Twin BLDC Rotary		
			Model		-	DA128A1FA-20F		DA128A1FA-20F		UG5T450FUEJX		
			Output		kW	0.955		0.955		4.12		
Oil			Type	-	Ester Oil		Ester Oil		PVE			
Fan		Air Flow Rate	Cooling	CMM	33.00		33.00		112.00			
				l/s	550.00		550.00		1,866.67			
Sound		Pressure	Cooling/Heating	dB(A)	46 / 47		47 / 48		49 / 49			
		Power	Cooling		59		62		65			
External Dimension		Net Weight		kg	37.00		37.00		96.00			
		Shipping Weight		kg	39.00		39.00		106.00			
		Net Dimensions (WxHxD)		mm	790 x 548 x 285		790 x 548 x 285		940 x 1,420 x 330			
		Shipping Dimensions (WxHxD)		mm	926 x 640 x 384		926 x 640 x 384		995 x 1,598 x 426			
Operating Temp. Range		Cooling		°C	-20.0 ~ 50.0		-20.0 ~ 50.0		-20.0 ~ 50.0			
		Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0			

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB
- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - Fin & Tube (Fin : Al, Tube : Cu)

Outdoor Unit - AC026/035JXSCEH/EU : Fin & Tube (Fin : Al, Tube : Cu), AC071JXSCEH/EU : FMC (Fin, Tube : Al)