

## 2. Outdoor Units

### 2-1. Specifications

Model Name	Indoor Unit			AE160ANYDEH/EU	AE160AXEDEH/EU	
Outdoor Unit	Outdoor Unit			AE120AXEDEH/EU	AE160AXEDEH/EU	
	Condenser	Size	-	2RX66S	2RX66S	
	Motor	Type (Model)	-		FMDC531SSA	FMDC531SSA
		Quantity	EA	-	2	2
		CODE No	-		DB31-00579A	DB31-00579A
	Fan	Type	-		Propeller Fan	Propeller Fan
		Discharge direction	-		Horizontal	Horizontal
		Air Flow Rate	Heating	m <sup>3</sup> /min	99	108
	Cooling		m <sup>3</sup> /min	99	108	
	Fan motor	Quantity	EA	-	2	2
		Model	-		Brushless DC motor	Brushless DC motor
		Output	W		125W x 2	125W x 2
		Drive	-		Direct drive	Direct drive
		Speed	Heating	rpm	650	750
	Cooling		rpm	650	750	
	4-Way Valve	Type (Model)	-		SHF-20D-46	SHF-20D-46
	Base Heater	Power Input	W		150	150
	Sound *9	Sound Pressure	Cooling	dB(A)	50	54
			Heating	dB(A)	50	52
		Sound Power	Cooling	dB(A)	64	69
			Heating	dB(A)	64	66
	Casing	Color	-		Earth brown	Earth brown
		Material	-		Powder coated Electro galvanized steel	Powder coated Electro galvanized steel
	Packing	Material	-		EPS/BOX	EPS/BOX
		Weight	kg	-	9.5	9.5
	External Dimension	Net Weight	kg	-	100.5	100.5
		Shipping Weight	kg	-	110.0	110.0
Net Dimensions (WxHxD)		mm	-	940 x 1,420 x 330	940 x 1,420 x 330	
Shipping Dimensions		mm	-	995 x 1,598 x 426	995 x 1,598 x 426	
Refrigerant	Type	-		R410A	R410A	
	Control Method	-		EEV	EEV	
	Factory Charging *10	g / tCO <sub>2</sub> e	-	2,980	2,980	

#### NOTE

- Specifications may be subject to change without prior notice.
  - \*1) A2W Condition \*1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB;  
(Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.
  - \*2) A2W Condition \*2 : (Heating) Water In/Out 40°C/45°C, Outdoor Air 7°CDB
  - \*3) A2W Condition \*3 : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°CDB
  - \*4) A2W Condition \*4 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 2°CDB
  - \*5) A2W Condition \*5 : (Heating) Water In/Out 30°C/35°C, Outdoor Air -7°CDB
  - \*6) A2W Condition \*6 : (Cooling) Water In/Out 12°C/7°C, Outdoor Air 35°CDB
  - \*7) The system is operated in (-25°C ≤ Outdoor temp. < -20°C) condition, but no guarantee of capacity.
  - \*8) The system is operated by only Booster Heater in special condition (35 °C < Outdoor temp. ≤ 43°C).
- \*9) Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - Sound pressure level in Night Mode is measured 3m away from front side of outdoor unit.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20µPa

Sound power level is an absolute value that a sound source generates.

  - dBA = A-weighted Sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
- Select wire size based on the value of MCA
- These products contain R32 (GWP=675) which is fluorinated greenhouse gas.

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### 2-2. Electrical characteristics

Capacity [kW]	Model	Power Supply				Voltage Range [V]		Nominal Running Current [A]		Current [A]	
		Φ	#	Hz	Voltage	Min. (-10%)	Max. (+10%)	Cooling	Heating	MCA	MFA
4	AE040RXEDEG/EU	1	2	50	220~240	198	264	3.9	4.9	16.0	20.0
6	AE060RXEDEG/EU	1	2	50	220~240	198	264	5.6	6.7	16.0	20.0
9	AE090RXEDEG/EU	1	2	50	220~240	198	264	8.6	9.7	22.0	27.5
9	AE090RXEDGG/EU	3	4	50	380~415	342	456	3.0	3.4	10.0	16.1
12	AE120AXEDEH/EU	1	2	50	220~240	198	264	14.0	11.7	28.0	35.0
12	AE120AXEDGH/EU	3	4	50	380~415	342	456	4.7	4.1	10.0	16.1
16	AE160AXEDEH/EU	1	2	50	220~240	198	264	18.6	16.9	32.0	40.0
16	AE160AXEDGH/EU	3	4	50	380~415	342	456	6.2	5.7	12.0	16.1

#### NOTE

- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

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### 2-3. Dimensional drawing

AE120AXEDEH/EU, AE120AXEDGH/EU, AE160AXEDEH/EU, AE160AXEDGH/EU

Unit : mm

