

TECH SPECS [Print](#)



Features

Type
FREE JOINT MULTI

Model Name

Outdoor Unit
AJ100FCJ5EH/EU

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Power Supply (Outdoor Unit) [Φ, #, V, Hz]

**Power Supply
(Outdoor Unit)**
[Φ, #, V, Hz]
1,2,220-240,50

System

Mode
HEAT PUMP

Performance (nominal)

**Performance
(nominal)**
3.50HP

Capacity**Cooling [kW]**

10.00kW

Cooling [Btu/h]

34100Btu/h

Heating [kW]

12.00kW

Heating [Btu/h]

40900Btu/h

**Power Input
(Nominal)****Cooling 1)**

2.90kW

Heating 2)

2.93kW

**Current Input
(Nominal)****Cooling 1)**

13.30A

Heating 2)

13.40A

Power**MCA [A]**

26.20 (MCA)

MFA [A]

28.80A

**Energy
Efficiency****EER (Nominal
Cooling)**

3.45

**COP (Nominal
Heating)**

4.10

**Energy Grade
(Cooling)**

A++

**Energy Grade
(Heating)**

A+

Compressor**Type**Twin BLDC Rotary x
1**Output(kW)**

9.171kW

ModelUG8T300FUBJUSG x
1**Oil (Type)**

POE

**Oil (Initial
Charge) [cc]**

1200cc

Fan**Type**

Propeller Fan/BLDC

**Motor (Output)
[W]**

150.0 x 1W

**Air Flow Rate
(High / Mid /
Low) [CMM]**

70.58CMM

Air Flow Rate(High/Mid/Low) [L/S]	External Static Pressure (Min / Std / Max) [mmAq]
1176.33	-

**External Static
Pressure (Min /
Std / Max) [Pa]**

-

**Piping
Connections**

Liquid Pipe (Ø,mm x EA)	Liquid Pipe (Ø,inch x EA)	Gas Pipe (Ø,mm x EA)
6.35 x 5	1/4" x 5	9.52 x 2 + 12.70 x 3
Gas Pipe (Ø,inch x EA)	Installation Max. Length [m]	Installation Max. Height [m]
3/8" x 2 + 1/2" x 3	80m	15m

Field Wiring

Power Source Wire	Transmission Cable
4.0 ~ 4.0	0.75 ~ 1.0

Refrigerant

Type	Factory Charging (kg)	Factory Charging (tCO2e)
R410A(Fluorinated greenhouse gas, GWP=2,088)	3.30kg	6.89tCO2e

Sound

Sound Pressure	Sound Power
54dBA	70dBA

**External
Dimension
(Outdoor Unit)**

Net Weight(kg)	Shipping Weight (kg)	Net Dimensions (WxHxD) (mm)
74.5kg	80.0kg	940 x 998 x 330mm

**Shipping
Dimensions
(WxHxD) (mm)**
995 x 1,096 x
426mm

**Operating Temp.
Range**

Cooling (°C)
-10 ~ 46°C

Heating (°C)
-15 ~ 24°C
