

SAMSUNG

**Samsung Golvstående AC
AC100KNPDEH & AC140KNPDEH**



Samsung Golvstående AC AC100KNPDEH & AC140KNPDEH

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Model Code		AC100KNPDEH/EU	AC140KNPDEH/EU
Model Name	Indoor Unit	AC100KNPDEH/EU	AC140KNPDEH/EU
System	Outdoor Unit	AC100KXADEH/EU	AC140KXADGH/EU
Capacity	Mode	HEAT PUMP	HEAT PUMP
	Rated Cooling [kW]	10.0 kW	13.4 kW
	Min/Max Cooling [kW]	3.5 / 12.3 kW	4.2 / 16.7 kW
Power Input (Nominal)	Rated Heating [kW]	11.2 kW	15.5 kW
	Min/Max Heating [kW]	4.2 / 14.0 kW	4.0 / 20.0 kW
	Cooling 1)	1.10 / 3.70 / 4.90 kW	0.90 / 4.32 / 5.90 kW
Current Input (Nominal)	Heating 2)	0.90 / 3.39 / 4.50 kW	0.70 / 4.50 / 6.60 kW
	Cooling 1)	4.3 / 16.4 / 23.2 A	1.9 / 6.8 / 9.5 A
	Heating 2)	4.1 / 14.9 / 20.5 A	1.4 / 6.7 / 10.7 A
Power	MCA [A]	23.2 A	16.1 A
	MFA [A]	29.0 A	16.1 A
	EER (Nominal Cooling)	2.70	3.10
Energy Efficiency	COP (Nominal Heating)	3.30	3.44
	Energy Grade (Cooling)	5.8(A+)	-
	Energy Grade (Heating)	4.1(A+)	-
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	50 m	75 m
	Installation Max. Height [m]	30 m	30 m
Field Wiring	Transmission Cable	0.75	0.75
	Type	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)
	Control Method	EEV	EEV
Refrigerant	Factory Charging (kg)	3.00 kg	3.50 kg
	Factory Charging (tCO2e)	6.26 tCO2e	7.31 tCO2e
	Power Supply (Indoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	97 W	154 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	29 CMM	35.5 CMM
	Air Flow Rate (High / Mid / Low) [CMH]	1740 CMH	2130 CMH
	Drain	Drain Pipe (Φ,mm)	VP18 mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	47/44/41 dBA	51/48/45 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA	63.0 dBA
	Net Weight(kg)	42.0 kg	46.0 kg
External Dimension (Indoor Unit)	Shipping Weight (kg)	49.0 kg	52.0 kg
	Net Dimensions (WxHxD) (mm)	610 x 1850 x 400 mm	610 x 1850 x 400 mm
	Shipping Dimensions (WxHxD) (mm)	705 x 1963 x 493 mm	705 x 1963 x 493 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	1,2,220-240,50	3,4,380-415,50
	Model	Twin BLDC Rotary	Twin BLDC Rotary
	Output(kW)	UG8T300FUBJUSG	UG5TK1450FJX
Compressor	Oil (Type)	2.82 kW	4.19 kW
	Oil (Initial Charge) [cc]	PVE	PVE
	Air Flow Rate (Cooling) [CMM]	1,200 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMH]	76 CMM	110 CMM
	Air Flow Rate (Cooling) [L/S]	4560 CMH	6600 CMH
	Sound Pressure (Cooling / Heating) [dB(A)]	1266	1833
Sound (Outdoor Unit)	Sound Power (Cooling) [dB(A)]	53/55 dBA	53/54 dBA
	Net Weight(kg)	70.0 dBA	70.0 dBA
	Shipping Weight (kg)	72.0 kg	85.0 kg
External Dimension (Outdoor Unit)	Shipping Weight (kg)	77.0 kg	94.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1096 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

