

## General Data

	Indoor	RAS-18YH4	RAS-25YH4	RAS-35YH4	RAS-50YH4
Model	Outdoor	RAC-18YH4	RAC-25YH4	RAC-35YH4	RAC-50YH4
<b>Power Supply</b>		AC 1Ph 220-240V 50Hz			
<b>Nominal Cooling Capacity (min-max)</b>	Kw	2.0(0.9-2.5)	2.5(0.9-3.1)	3.5(0.9-4.0)	5.0(0.9-5.2)
<b>Nominal Heating Capacity (min-max)</b>	Kw	2.5(0.9-3.2)	3.4(0.9-4.4)	4.2(0.9-5.0)	6.5(0.9-8.1)
<b>Total Input</b>					
Cooling	W	550(155-1010)	560(155-1080)	950(155-1300)	1780(155-2200)
Heating	W	580(115-970)	770(115-1120)	980(115-1300)	1970(115-2200)
<b>Total Current</b>					
Cooling	A	2.8	2.9	4.4	7.8
Heating	A	2.8	3.7	4.5	8.7
<b>COP</b>					
Cooling		3.64	4.46	3.68	2.81
Heating		4.31	4.42	4.29	3.30
<b>Sound Pressure Level (Overall scale)</b>					
Cooling	dBA	35/32/26/20	38/32/26/20	41/35/29/25	47/39/28/24
Heating	dBA	36/33/27/23	39/33/27/23	41/35/30/26	47/39/31/27
<b>Condenser Sound Pressure Level</b>					
Cooling	dBA	44	45	46	50
Heating	dBA	46	46	47	52
<b>Indoor Outer Dimensions (Net/(Carton))</b>					
Height	mm	280(325)	280(325)	280(325)	280(325)
Width	mm	780(826)	780(826)	780(826)	780(826)
Depth	mm	205(254)	205(254)	205(254)	205(254)
Net Weight	kg	9.5(12)	9.5(12)	9.5(12)	9.5(12)
<b>Condenser Outer Dimensions (Net/(Carton))</b>					
Height	mm	548(591)	548(591)	548(591)	650(698)
Width	mm	750(871)	750(871)	750(871)	850(1008)
Depth	mm	288(377)	288(377)	288(377)	298(394)
Net Weight	kg	35(38)	35(38)	35(38)	60(65)
<b>Cabinet Colour (Munsell Code)</b>		Beige (5Y 7.2)	Beige (5Y 7.2)	Beige (5Y 7.2)	Beige (2.5Y 8.2)
<b>Refrigerant</b>		R410a	R410a	R410a	R410a
<b>Flow Control</b>			Expansion Valve	Expansion Valve	
<b>Compressor</b>					
Type		DC Rotary	DC Scroll	DC Scroll	DC Twin Rotary
Quantity	set	1	1	1	1
<b>Indoor Fan</b>					
Type		DC 35V	DC 35V	DC 35V	DC 35V
Air Flow Rate Cooling	m <sup>3</sup> /min	7.3/6.7/5.8	8.5/7.0/6.0	10.1/8.0/6.5	13.5/12.5/11.5
Air Flow Rate Heating	m <sup>3</sup> /min	8.0/7.0/5.8	9.5/8.0/7.0	10.8/8.5/7.5	13.5/12.5/11.5
<b>Condenser Fan</b>					
Type		DC 140-350V	DC 140-350V	DC 140-350V	DC 360V
Air Flow Rate Cooling /Heating	m <sup>3</sup> /min	24/23	31/27	32/27	36/36
<b>Refrigerant Piping</b>		Flair Nut/Flange Connection			
Liquid Line	mm(in.)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm(in.)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
<b>Pipe Run</b>					
Max Pipe Length	m	20	20	20	20
(Changeless)	m	20	20	20	20
Individual Pipe Length	m	20	20	20	20
Max Pipe Lift	m	10	10	10	10
<b>Interconnection Wires</b>	pcs	3	3	3	3
<b>Starting Current</b>	A	2.8	3.7	4.5	10.0
<b>Recommended Fuse Size</b>	A	16	16	16	16
<b>Auto Restart by Previous Mode</b>		Yes	Yes	Yes	Yes
<b>Auto Changeover</b>		Yes	Yes	Yes	Yes
<b>LED Self Diagnosis</b>		Yes	Yes	Yes	Yes
<b>Air Purifying Filter Type</b>		SPX-CFH11	SPX-CFH11	SPX-CFH11	SPX-CFH11
<b>Remote Control Timer</b>	Hr	24	24	24	24

### NOTES:

#### Cooling Operation Conditions

Indoor Air Inlet Temperature: 27 °C DB  
19 °C WB  
Outdoor Air Inlet Temperature: 35 °C DB

#### Heating Operation Conditions

Indoor Air Inlet Temperature: 20 °C DB  
Outdoor Air Inlet Temperature: 7 °C DB  
6 °C WB

**Piping Length:** 7.5 meters

**Piping Lift:** 0 meters

#### Sound Pressure Level Measurement Distance:

1m from discharge grille. 0.8m beneath the unit's height centre  
1m from suction/discharge grille.Approx. 1m from floor level