

Technical Description – Monozone Outdoor Units

General Data

Model		RAC-25NH4	RAC-35NH4	RAC-50NH4	RAC - 60NH4
Power Supply		AC 1Ph 220-240V 50Hz			
Nominal Cooling Capacity (min-max)	Kw	2.5(0.9-3.0)	3.5(0.9-4.0)	5.0(0.9-5.2)	6.3(0.9-6.5)
Nominal Heating Capacity (min-max)	Kw	3.5(0.9-5.0)	4.8(0.9-6.6)	6.5(0.9-8.1)	7.3(0.9-9.8)
Sound Pressure Level (Overall scale)					
Cooling	dBA	46	47	50	50
Heating	dBA	46	49	52	52
Outer Dimensions (Net/(Carton))					
Height	mm	570(633)	570(633)	650(698)	650(698)
Width	mm	750(905)	750(905)	850(1008)	850(1008)
Depth	mm	280(394)	280(394)	298(394)	298(394)
Net Weight	kg	38(43)	38(43)	50(55)	45(50)
Cabinet Colour (Munsell Code)		Beige (2.5Y 8.2)	Beige (2.5Y 8.2)	Beige (2.5Y 8.2)	Beige (2.5Y 8.2)
Refrigerant		R410a	R410a	R410a	R410a
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Compressor					
Type		DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Quantity	set	1	1	1	1
Condenser Fan					
Type		DC360V	DC360V	DC360V	DC360V
Air Flow Rate Cooling/Heating	m ³ /min	27/27	27/27	36/36	36/36
Refrigerant Piping		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)	12.7 (1/2)	12.7 (1/2)
Pipe Run					
Max Pipe Length	m	20	20	20	30
(Changeless)	m	20	20	20	30
Individual Pipe Length	m	20	20	20	30
Max Pipe Lift	m	5	5	5	5
Starting Current	A	4.2	4.2	10.0	10.0
Recommended Fuse Size	A	16	16	16	16
Interconnection Wires	pcs	3	3	3	3
LED Self Diagnosis		Yes	Yes	Yes	Yes

Refer to combination tables for more information

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 suction/discharge grille
Approx. 1m from floor level

