

# S series - Tech Data

## MODEL

Indoor	RAS-S25YHAB	RAS-S35YHAB	RAS-S50YHAB	RAS-S60YHAB	RAS-S70YHAB	RAS-S80YHAB
Outdoor	RAC-S25YHAB	RAC-S35YHAB	RAC-S50YHAB	RAC-S60YHAB	RAC-S70YHAB	RAC-S80YHAB
<b>Capacity kW</b>						
Nominal Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Nominal Heating	3.2	3.8	6.0	7.0	8.0	9.0
<b>Capacity (Range) kW</b>						
Cooling	0.9 - 3.1	0.9 - 4.0	1.2 - 5.8	1.2 - 6.5	1.5 - 8.0	1.5 - 8.5
Heating	0.9 - 4.2	0.9 - 4.8	1.2 - 6.8	1.2 - 8.0	1.5 - 8.5	1.5 - 9.5
<b>Air Flow l/sec</b>						
High Cooling	142	189	258	258	283	283
High Heating	158	217	250	250	300	300
<b>Energy Efficiency</b>						
EER	5.10	4.22	4.31	3.80	3.54	3.27
COP	5.08	4.94	4.29	4.05	4.04	3.80
Star Rating Cooling	5.5	3.5	4.0	3.0	2.5	2.0
Star Rating Heating	5.5	5.0	4.0	3.5	3.5	3.0
<b>Sound Levels (dB(A))</b>						
<b>Indoor Unit (Sound Pressure)</b>						
Cooling - Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	46 / 41 / 36 / 28	46 / 41 / 36 / 28	47 / 42 / 36 / 30	48 / 44 / 39 / 33
Heating - Hi / Med / Lo / Sleep	41 / 34 / 23 / 20	44 / 36 / 27 / 26	46 / 41 / 36 / 28	46 / 41 / 36 / 28	47 / 42 / 36 / 30	48 / 44 / 40 / 34
<b>Outdoor Unit</b>						
Cooling / Heating (Sound Pressure)	47 / 48	48 / 50	50 / 53	50 / 53	51 / 53	52 / 54
Sound Power	61	62	63	63	64	66
<b>Dimensions (mm)</b>						
Indoor (W x H x D)	780 x 280 x 230	780 x 280 x 230	1100 x 300 x 260	1100 x 300 x 260	1100 x 300 x 260	1100 x 300 x 260
Outdoor (W x H x D)	792 x 600 x 299	792 x 600 x 299	850 x 750 x 298	850 x 750 x 298	850 x 800 x 298	850 x 800 x 298
<b>Weights (kg)</b>						
Indoor / Outdoor	8.5 / 37.5	8.5 / 37.5	15 / 50	15 / 50	15 / 52	15 / 52
<b>Operating Range</b>						
Outdoor Op. Temp. (Cooling)	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C
Outdoor Op. Temp. (Heating)	-20°C to 21°C	-20°C to 21°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
Refrigerant Type	R32					
<b>Pipe Sizes (mm)</b>	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø6.35 / Ø12.7	Ø6.35 / Ø15.88	Ø6.35 / Ø15.88
Refig pre charge length (m)	20	20	30	30	30	30
Min / Max Pipe Length / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
Condensate Drain (mm (OD))	16					
<b>Power</b>						
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase					
Rated Power Input - Cooling (kW)	0.49	0.83	1.16	1.58	1.98	2.45
Power Input Range - Cooling (kW)	0.25 ~ 1.22	0.25 ~ 1.4	0.3 ~ 2.6	0.3 ~ 2.6	0.3 ~ 2.7	0.3 ~ 2.7
Rated Power Input - Heating (kW)	0.63	0.77	1.40	1.73	1.98	2.37
Power Input Range - Heating (kW)	0.25 ~ 1.2	0.25 ~ 1.6	0.3 ~ 2.65	0.3 ~ 2.65	0.5 ~ 2.8	0.5 ~ 2.8
Running current (C / H) (Amps)	1.09-5.30 / 1.09-5.22	1.09-6.09 / 1.09-6.96	2.31-8.55 / 1.67-9.66	2.31-8.55 / 1.67-9.66	2.50-9.79 / 2.19-10.72	2.50-9.79 / 2.19-10.72
Max Current (Amps)	9.8	9.8	10.5	10.5	12	12
Power supply To	OutdoorUnit					
Interconnecting Wire	3 Core + E					

Rated capacity measured in accordance with AS/NZS 3823 conditions: Cooling: Indoor 27°C db / 19°C wb; Ambient 35°C db  
 Heating: Indoor 20°C db; Ambient 7°C db / 6°C wb  
 Mains power source - AC 230V and 50Hz  
 Refer to temperzone Warranty for full conditions.