

Specifications

airHome 200

Wall Mounted

Model name			Indoor	RAK-AJ12PHAM	RAK-AJ18PHAM	RAK-AJ24PHAM
			Outdoor	RAC-AJ12PHAM	RAC-AJ18PHAM	RAC-AJ24PHAM
Power supply location				Indoor unit power supply	Indoor unit power supply	Indoor unit power supply
Power supply			Ph-V-Hz	1Ph / 220-240V / 50Hz	1Ph / 220-240V / 50Hz	1Ph / 220-240V / 50Hz
Cooling	Capacity	Btu / h		12,000	18,000	23,800
	Input Power	W		1,175	1,650	2,245
	Running Current	A		5.3	7.5	10.1
	EER	Btu / hW		10.2	10.9	10.6
Heating	Capacity	Btu / h		12,400	18,500	24,300
	Input Power	W		1,050	1,635	2,190
	Running Current	A		4.7	7.4	9.9
	EER	Btu / hW		11.8	11.3	11.1
Moisture Removal			l / h	1.1	1.3	1.8
Maximum Input Power			W	1800	2400	3500
Maximum Input Current			A	9.2	12	18.2
Starting Current			A	30	38	60
Indoor Unit	Rated Air Flow	Turbo / H / M / L	CFM	393 / 327 / 268 / 208	617 / 590 / 400 / 320	700 / 620 / 540 / 460
	Rated Sound Level	Turbo / H / M / L	dB(A)	41 / 39 / 36 / 33	48 / 43 / 39 / 34	49 / 45 / 39 / 36
	Unit Dimension	W / H / D	mm	815 / 270 / 215	914 / 315 / 238	1085 / 315 / 236
	Packing Dimenion	W / H / D	mm	870 / 335 / 265	1000 / 390 / 315	1170 / 390 / 315
	Net / Gross Weight		kg	8.5 / 10.5	12.5 / 14.5	14.5 / 17
	Coil	Number of row		2	2	2
		Fin per inch		18	18	18
		Fin material		hydrophilic aluminium	hydrophilic aluminium	hydrophilic aluminium
		Tube Diameter	mm	7	7	7
	Fan	Type		cross-flow	cross-flow	cross-flow
		Type		AC	AC	AC
	Fan Motor	Speed (Turbo / H / M / L)	rpm	1200 / 1100 / 950 / 800	1250 / 1100 / 950 / 850	1300 / 1165 / 1017 / 902
		Dimension (W x H)	mm	303 x 350	340 x 384	409 x 384
	Air Filter	Quantity		2	2	2
		Material		PP	PP	PP
Outdoor Unit	Rated Sound Level		dB(A)	54	56	56
	Unit Dimension	W / H / D	mm	780 x 540 x 260	860 x 667 x 310	860 x 667 x 310
	Packing Dimenion	W / H / D	mm	910 x 600 x 360	995 x 720 x 420	995 x 720 x 420
	Net / Gross Weight		kg	30 / 33	43 / 47	50 / 54
	Coil	Number of row		1	1,5	2
		Fin per inch		16	18	16
		Fin material		hydrophilic aluminium	hydrophilic aluminium	hydrophilic aluminium
		Tube Diameter	mm	7	7	7
	Fan	Type		copper	Copper	copper
		Type		propeller	propeller	propeller
	Fan Motor	Type		AC	AC	AC
		Speed		880	830	870
	Compressor	Type		Rotary	Rotary	Rotary
		Refrigerant oil		HAF68D1U or equivalent	HAF68D1 or equivalent	HAF68D1 or equivalent
		Oil Amount	ml	350	480	570
		Liquid side	mm	6.35 mm (1 / 4in)	6.35 mm (1 / 4in)	6.35 mm (1 / 4in)
Connecting Pipe	Gas side	mm		12.7 mm (1 / 2in)	12.7 mm (1 / 2in)	15.88 mm (5 / 8in)
	Max. length	m		15	25	25
	Max. Height	m		5	15	15
	Type			R410a	R410a	R410a
Refrigerant			Factory Pre Charge	g	750	1350
Operation Control				Wireless Remote	Wireless Remote	Wireless Remote
Indoor Operation temperature range			°C	16 ~ 30	16 ~ 30	16 ~ 30
Outdoor Ambient temperature range cooling			°C	21 ~ 55	21 ~ 55	21 ~ 55
Outdoor Ambient temperature range heating			°C	-7 ~ 24	-7 ~ 24	-7 ~ 24
Loading Capacity 20GP / 40FT / 40'HC			SET	94 / 197 / 248	61 / 127 / 160	58 / 121 / 152

Notes:

1. All design and specification are subject to change by the manufacturer without prior notice.
2. All units are being tested and comply to ISO 5151
3. Nominal testing conditions @T1: Cooling - Indoor 80.6°F DB / 66.2°F WB (27°C DB / 19°C WB) & Outdoor 95°F DB / 75.2°F WB (35°C DB / 24°C WB)
4. Nominal testing conditions @T3: Cooling - Indoor 84.2°F DB / 66.2°F WB (29°C DB / 19°C WB) & Outdoor 114.8°F DB / 75.2°F WB (46°C DB / 24°C WB)