



MONOSPLIT CASSETTA ALCA PRESTAZIONI IN RAFFRESCAMENTO / RISCALDAMENTO

Sale Model	INTERNA		ALCA-H12/NDR3HYB	ALCA-H18/NDR3HYB	ALCA-H24/NDR3HYB	ALCA-H36/NDR3HYB	ALCA-H42/NDR3HYB	ALCA-H48/SDR3HYB	ALCA-H60/SDR3HYB
	Panel		MB13/W-Y1	MB13/W-Y1	MB12	MB12	MB12	MB12	MB12
	ESTERNA		AL-H12/NDR3A(U)	AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H36/NDR3A(U)	AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
IDU Power Supply	V~,Hz,Ph		220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1
RESE	RAFFRESCAMENTO	Btu/h	12000(4600-15000)	18000(5200-19100)	24000(7400-28000)	36000 (9800-44300)	42000(9800-46000)	48000(16241-56298)	55000(16241-59710)
		KW	3.60(1.35-4.40)	5.00(1.53-5.60)	7.00(2.16-8.20)	10.55 (2.9-13)	12.1(2.9-13.5)	14.00(4.76-16.5)	16.00(4.76-17.5)
	RISCALDAMENTO	Btu/h	14300(4200-18100)	19100(4800-21200)	27300(6800-31700)	38000 (8800-46000)	46000 (8800-51100)	55000(16309-55104)	58000(16308-63122)
		KW	4.20(1.24-5.30)	5.60(1.40-6.20)	8.00(1.98-9.30)	11.15 (2.6-13.5)	13.5 (2.6-15)	16.00(4.78-16.15)	17.00(4.78-18.50)
Electric Data	Rated Cooling Power Input	KW	1.08(0.26~1.60)	1.63(0.47~2.30)	2.18(0.67-3.56)	3.4 (0.71-4.71)	4.5 (0.71-5.1)	5.20 (1.71-6.7)	6.10 (1.71-6.8)
	Rated Heating Power Input	KW	1.23(0.19~1.51)	1.73(0.46~2.25)	2.10(0.65-3.62)	3.45 (0.47-4.13)	4.6 (0.47-5.29)	5.40 (1.71-6.8)	5.80 (1.71-7.1)
	Rated Cooling Current	A	4.74(1.1~5.76)	7.16(2.25~10.10)	9.57 (3.21-15.63)	15 (3.2-21.5)	19.5 (3.2-22.3)	9.00 (1.50-15.00)	10.50 (1.50-15.00)
	Rated Heating Current	A	/	/	/	/	/	23.40 (7.40~29.10)	25.20 (7.40~29.50)
Performance	EER/COP	W/W	3.33/3.41	3.07/3.24	3.21/3.81	3.10/3.23	2.69/2.93	2.69/2.96	2.62/2.93
	SEER/SCOP	W/W	6.2/4.1	6.26/4.06	6.6/4.5	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0
Indoor Fan Motor	Model		XD30C-ZL	XD30C-ZL	XD100B-ZL 310V/内置	XD100B-ZL 310V/内置	XD100B-ZL 310V/内置	XD100B-ZL 310V/内置	XD100B-ZL 310V/内置
	Brand		Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
	Output Power	W	30	30	100	100	100	100	100
	Capacitor	µF	/	/	/	/	/	/	/
	Speed (Hi/Mi/Lo)	r/min	790/670/610	840/720/660	580/530/470	750/700/ 650	780/700/ 650	780/700/ 650	780/700/ 650
Indoor Coil	A.Number Of Row		2	2	2	2	3	3	3
	B.Tube Pitch(a)x Row Pitch(b)	mm	20.5×12.7	20.5×12.7	20.5×12.7	20.5×12.7	20.5×12.7	20.5×12.7	20.5×12.7
	C.Fin Pitch	mm	1,4	1,4	1,4	1,4	1,5	1,5	1,5
	D.Fin Material		Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	E.Tube Outside Dia.And Material	mm	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved
	F.Coil Length x Height x Width	mm	1305×205×25.4	1305×205×25.4	2054×205×25.4	2054×247×25.4	2012×246×38.1	2012×246×38.1	2012×246×38.1
	G.Number of circuit	/	2	2	8	12	6	6	6
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m³/h	720/620/550	760/650/580	1500/1350/1200	1950/1700/1600	2000/1700/1600	2000/1700/1600	2000/1700/1600
		CFM	424/365/324	447/382/341	882/794/706	1147/1041/941	1176/1000/941	1176/1000/941	1176/1000/941
	Sound Pressure Noise (Hi/Mi/Lo)	dB(A)	44/40/37	45/41/38	49/47/44	52/50/48	54/52/48	54/52/48	54/52/48
	Sound Power Noise Level	dB(A)	54	56	56	60	64	64	65
	Net Dimension (W*D*H)	mm	570×570×260	570×570×260	840×840×246	840×840×288	840×840×288	840×840×288	840×840×288
	Packing Dimension (W*D*H)	mm	720×650×290	720×650×290	910X910X310	910X910X350	910X910X350	910X910X350	910X910X350
	Net Weight	Kg	15.5	15.5	26	28	30	30	30
Panel	Gross Weight	Kg	18	18	30	33	35	35	35
	Net Dimension (W*H*D)	mm	650×650×55	650×650×55	950×650×55	950×650×55	950×650×55	950×650×55	950×650×55
	Packing Dimension (W*H*D)	mm	710×710×80	710×710×80	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
	Net weight	Kg	2.2	2.2	5.3	5.3	5.3	5.3	5.3
Refrigerant Pipe	Gross weight	Kg	3.7	3.7	7.8	7.8	7.8	7.8	7.8
	Liquid Side	mm	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

1. Parameters above are all measured when the connecting pipe is 5 meters.
2. Parameters above may be modified as product improvement. We keep the right to change the product specifications without prior notice, please take the parameters listed on the nameplate as criterion

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Power Supply	V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	380-415/50&60/3	380-415/50&60/3
Max. Input Consumption	W	2100	2400	3650	5370	5730	6800	7100
Max. Current	A	11	12	16	23.5	24.9	15.0	15.0
Max. Current	A	/	/	/	/	/	36.0	37.0
RESE	RAFFRESCAMENTO	Btu/h	12000(4600-15000)	18000(5200-19100)	24000(7400-28000)	36000 (9800-44300)	42000 (9800-46000)	55000(16241-59710)
		KW	3.60(1.35-4.40)	5.00(1.53-5.60)	7.00(2.16-8.20)	10.55 (2.9-13)	12.1 (2.9-13.5)	16.00(4.76-17.5)
	RISCALDAMENTO	Btu/h	14300(4200-18100)	19100(4800-21200)	27300(6800-31700)	38000 (8800-46000)	46000 (8800-51100)	58000(16308-63122)
		KW	4.20(1.24-5.30)	5.60(1.40-6.20)	8.00(1.98-9.30)	11.15 (2.6-13.5)	13.5 (2.6-15)	17.00(4.78-18.50)
DC Inverter Compressor	Model		KSN108D22UFZ	KSM135D23UFZ	KTM240D57UKP	KTF310D43UMT	KTF310D43UMT	KTF400D66UMVA
	Type		ROTARY	ROTARY	ROTARY	ROTOR	ROTOR	ROTOR
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	3470	4245	7715	10010	10010	13100
	Input	W	890	1075	2085	2765	2765	3465
	Frequency range	Hz	10-120	10-120	12-120	12-120	12-120	12-120
	Rated Current(RLA)	A	6.05	7.1	9.5	5.38	5.38	6.65
Outdoor Fan Motor	Refrigerant Oil	ml	310 (VG74)	440 (VG74)	670 (VG74)	1000 (VG74)	1000 (VG74)	1400 (VG74)
	Model		D-40-8	D-40-8	D-69-8	D-310-120-8A	D-310-120-8A	CW100A-ZL
	Brand		WELLING	WELLING	WELLING	WOLONG	WOLONG	Panasonic
	Output Power x Fan quantity	W	40×1	40×1	69×1	120×1	120×1	100×2
	Capacitor	µF	/	/	/	/	/	/
Coil	Speed	r/min	850	850	870	940	940	780
	a.Number Of Row		2	2	2	3	3	2.5
	b.Tube Pitch(a)x Row Pitch(b)	mm	22×19.05	22×19.05	22×19.05	20.5×12.7	20.5×12.7	22×19.05
	c.Fin Pitch	mm	1,4	1,4	1,5	1,5	1,5	1,6
	d.Fin Material		Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	e.Tube Outside Dia.And Material	mm	φ7.94, Inner grooved	φ7.94, Inner grooved	φ7.94, Inner grooved	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved
	f.Coil Length x Height x Width	mm	835×506×38.1	835×506×38.1	860×660×38.1	957×759×38.1	957×759×38.1	891×1276×38.1+530×1276×19.05
PORTATA ARIA	g.Number of circuit	/	4	4	6	6	6	10
	CFM		1529	1529	2206	2353	2471	4235
Sound Pressure Noise Level	m³/h		2600	2600	3750	4000	4200	7200
	dB(A)		54	55	58	57	57	60
Sound Power Noise Level	dB(A)		64	65	67	66	66	70
	Dimension(W×D×H)	mm	800×315×545	800×315×545	900×350×700	970×395×805	970×395×805	940×370×1325
Weight	Net	mm	920x400x620	920x400x620	1020x400x770	1105x495x895	1105x495x895	1080x430x1440
	Packing	mm	35	37	51	72	72	92
Refrigerant Type/Quantity	Net	kg	38	40	55	76	76	102
	Gross	kg						
Design Pressure	Type		R32	R32	R32	R32	R32	R32
	Charged Volume	kg	0.9	1.16	1.4	2.54	2.54	3.6
Refrigerant Pipin	Max. Length	MPa	4.2	4.2	4.2	4.2	4.2	4.2
	Liquid Side	mm	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
	Max. Height	m	25	30	50	65	65	65
Operation Temperature Range	Max. Height	m	10	20	25	30	30	30
	°C		16~32	16~32	16~32	16~32	16~32	16~32
Ambient Temperature Range(Cooling/Heating)	°C		-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
	mm²		/	/	/	/	/	/
Specification of Wiring	Power Wiring (IDU)	mm²	/	/	/	/	/	/
	Power Wiring (ODU)	mm²	3*2.5	3*2.5	3*2.5	3*4.0	3*4.0	5*2.5
	Connection Wiring(IDU&ODU)	mm²	3*1.5	3*1.5	3*1.5	3*1.5	3*1.5	3*1.5
	Signal Wiring(IDU&ODU)	mm²	2*0.75	2*0.75	2*0.75	2*0.75	2*0.75	2*0.75