

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Light Commercial Cassette Range INVERTER

- 7 models, single phase and 3-phase
- Inverter economy plus Alliance quality and cost-competitiveness
- Energy-efficient
- Indoor airflows from 485m³ to 2170m³
- Max. pipe length to outdoor unit up to 50m
- Sold and supported nationwide by Fourways Group



Alliance

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Alliance Light Commercial Cassette Range (Inverter)



Inverter economy combined with Alliance cost-competitiveness makes this range an ideal choice for projects that demand high energy-efficiency. Suitable for both domestic as well as light commercial use, these new Alliance Inverter Cassettes are the ideal solution for jobs with tight budgets but where quality is non-negotiable. Backed by Fourways Group sales, service and technical support nationwide.

Indoor model			FOUCI12/B	FOUCI18/B	FOUCI24/A	FOUCI36/1/B	FOUCI36/A/3	FOUCI48/A	FOUCI60/A
Power supply		V-ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50
Cooling	Capacity	Btu/h	12000	18000	24000	36000	36000	45700	50000
	Input	W	1150	1800	2550	4160	3900	5400	6700
	Current	A	5.1	7.9	12	18.8	6.6	9.6	11
	EER	W/W	3.06	2.93	2.76	2.54	2.71	2.48	2.41
Heating	Capacity	Btu/h	14000	19000	26000	38000	38000	53000	60000
	Input	W	1060	1520	2100	3250	3150	5100	5300
	Current	A	4.7	6.6	10	14.7	5.5	9.3	10
	CDP	W/W	3.87	3.66	3.63	3.43	3.54	3.05	3.32
Indoor fan motor	Input	w	45.0	45.0	/	157.0	157.0	/	/
	Capacitor	uF	0	/	/	/	/	4.5	5
	Speed(Hi/Lo)	r/min	800/304	752/664/576	608/552/496	700/630/570	700/630/570	800/750/670	760/690/610
Indoor coil	a.Number of rows		2	2	2	3.0	3.0	3.0	3.0
	b.Tube pitch(a) x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø7.Inner groove tube
	f.Coil length x height x width	mm	1300x210x26.74+1360x210x26.74	1360x210x26.74	2155x168x26.74	655*655*252	2135*210*40.11	2135*210*40.11	980*252*40.11+980*252*40.11
	g.Number of circuits		4	4	4	10	10	10	10
Indoor air flow (Hi/Med/Lo)		m³/h	569/485/389	680/584/479	1247/1118/992	1700/1530/1300	1700/1530/1300	1950/1800/1600	2170/1950/1730
Sound level (sound pressure)		dB(A)	42/38/35	44/40.5/37	45/43/40	51/48/45	49.5/47.0/44.5	53.5/51.5/48	54.5/52/49.5
Throttle type			ODU throttle	ODU throttle	ODU throttle	ODU throttle	ODU throttle	ODU throttle	ODU throttle
Indoor unit	Dimension (W x D x H)(body)	mm	570x570x260	570x570x260	830x830x205	830x830x245	830x830x245	830x830x245	830x830x287
	Packing (W x D x H)(body)	mm	655x655x290	655x655x290	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Dimension (W x D x H)(panel)	mm	662x662x317	662x662x317	910x910x250	910x910x290	910x910x290	910x910x290	910x910x330
	Packing (W x D x H)(panel)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	16.3/20.4	16/20.6	21.6/25.4	27.2/31.2	27.2/31.2	28.8/32.3	30.7/34.8
	Net/Gross weight(panel)	kg	2.5/4.5	2.5/4.5	6/9	6/9	6/9	6/9	6/9
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.		mm	Ø0Ø25mm	Ø0Ø25mm	Ø0Ø25mm	Ø0Ø25mm	Ø0Ø25mm	Ø0Ø25mm	Ø0Ø25mm
Refrigerant piping	Liquid side/ Gas side	mm	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø9.52(1/4"/3/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")
Controller			Remote control	Remote control	Remote control	Remote control	Remote control	Remote control	Remote control
Optional Wired Controller			120K and 120M						
Operation temperature		°C	17-30	17-30	17-30	17-30	17-30	17-30	17-30
Room temperature	Cooling	°C	17-32	17-32	17-32	17-32	17-32	17-32	17-32
	Heating	°C	0-30	0-30	0-30	0-30	0-30	0-30	0-30

Outdoor model			FOUCI12X/B	FOUCI18X/B	FOUCI24X/A	FOUCI36X/1/B	FOUCI36X/A/3	FOUCI48X/A	FOUCI60X/A
Power supply		V-ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50	380-415-3-50	380-415-3-50	380-415-3-50
Max. input consumption		W	2100	2950	3700	5000	5000	6700	7600
Max. input current		A	9.1	13.5	19	22.5	10	14	14
Compressor	Capacity	Btu/h	1930/3100 ±3%	4385	7740	10010	8095	10100	13700
	Input	W	292/765 ±3%	1140	2085	2765	2200	2765	3700
	Rated current(RLA)	A	2.15/4.65 ±3%	7.50	9.5	5.38	10	5.38	7.02
	Input	W	/	/	/	150.0	133.0	293.3	142.0
Outdoor fan motor	Capacitor	µF	0	/	5	/	5	10	5
	Speed	r/min	780/600	760/650	800/700/580	950/850/700	870/820	850	880/810
Outdoor coil	Number of rows		1	2.0	1.6	2	2	2.6	1.6
	Tube pitch(a) * row pitch(b)	mm	21x22	21x22	21x22	25.4x22	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.3	1.3	1.3	1.3	1.3	1.5	1.4
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia. and type	mm	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø7.Inner groove tube	Ø9.52.Inner groove tube	Ø9.52.Inner groove tube	Ø9.52.Inner groove tube	Ø9.52.Inner groove tube
	Coil length * height * width	mm	745x504x22	860x504x44	900x44x609	995x762x44	995x762x44	995x762x22+960x762x22+580x762x22	990x660.4x22+580x660.4x22
Outdoor Air Flow		m³/h	2100	2100	3500	4000	5000	7650	
Outdoor noise level (sound pressure)		dB(A)	56	59	59.5	64	60.5	64.5	65
Throttle type			EXV	EXV	Throttle valve	EXV+Throttle valve	Throttle valve	Throttle valve	Throttle valve
Outdoor unit	Dimension(WxDxH)	mm	765x303x555	805x330x554	890x342x673	946x410x810	946x410x810	946x410x810	952x415x1333
	Packing(WxDxH)	mm	887x337x610	915x370x615	995x398x740	1090x500x885	1090x500x885	1090x500x885	1095x495x1480
	Net/Gross weight	kg	26.9/29.2	33.6/36.2	44.4/47.3	67.6/72.1	77.9/82.7	86.7/91.4	107.6/121.3
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	1.05	1.55	1.90	3.2	3.00	3.65	4.00
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø9.52(1/4"/3/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")	Ø9.52/Ø15.91(3/8"/5/8")
	Max. pipe length	m	25	30	25	75	30	50	50
	Max. difference in level	m	10	20	15	30	20	30	30
Ambient temperature	Cooling	°C	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.



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