

NEW

Alliance

Affordable quality - Proven reliability - Since 2006



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 416 m³ to 1970 m³
- Max. pipe length to outdoor unit up to 65m
- Sold and supported nationwide by Alliance

THE AIRCON
CENTRE (Pty) Ltd

New 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 Alliance sales, service and technical support in 8 branches nationwide.



Indoor Model		FOUCH12	FOUCH18	FOUCH24	FOUCH36	FOUCH36	FOUCH48	FOUCH60	
Indoor code		22022511002856	22022511000604	22022511001779	22022511002156	22022511001796	22022511001778	22022511001816	
Outdoor Model		FOUCH12X	FOUCH18X	FOUCH24X	FOUCH36X	FOUCH36X	FOUCH48X	FOUCH60X	
Outdoor code		220225160001442	22022516000802	22022516000844	22022516000422	22022516000862	22023016000843	22022516000915	
Power supply (Indoor)		V,Hz,P	220-240V,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	
Cooling	Capacity	Btu/h	12000	18000	24000	36000	36000	45700	
	Input	W	1080	1643	2417	4058	3950	5336	
	Current	A	4.8	7.5	11.0	18.5	6.3	9.8	
	EER	W/W	3.26	3.21	2.91	2.60	2.67	2.51	
Heating	Capacity	Btu/h	14000	19000	26000	38000	38000	50000	
	Input	W	1060	1543	2235	3094	3500	4427	
	Current	A	4.7	7.1	10.2	14.1	5.7	8.2	
	COP	W/W	3.87	3.61	3.41	3.60	3.18	3.31	
Indoor fan motor	Qty		1	1	1	1	1	1	
	Input	w	45.0	45	105/91/80/70	141	174/145/121	174/145/121	
	Capacitor	uF	/	---	3.5UF/450V	/	5UF/450V	5UF/450V	
	Speed(hi/mi/lo)	r/min	700/580/500	750/630/570	650/580/510/430	730/670/600	690/610/540	690/610/540	
Indoor coil	a.Number of rows		2	2	2	3	2	3	
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	
	c.Fin spacing	mm	1.3	1.3	1.4	1.4	1.4	1.4	
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	e.Tube outside dia.and type		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	2010x168x26.7	2080x210x40.11	2010x210x26.74	2080x210x40.11	2080x252x40.11
	g.Number of circuits		4	4	8	10	10	12	
Indoor air flow	m3/h	617/504/416	660/550/490	1098/959/798	1900/1750/1460	1832/1590/1389	1854	1970/1492/1293	
Indoor sound pressure level	dB(A)	43/39/35	46/42/38	47.4/43/39	53/50/47	52/48.3/44.4	54.5/48.4/46.3	52.1/45.3/42.8	
Indoor unit	Dimension (W x Dx H)(body)	mm	570x570x260	570x570x260	840x840x205	840x840x245	840x840x245	840x840x287	
	Packing (W x Dx H)(body)	mm	655x655x290	662x662x317	900x900x225	900x900x257	900x900x265	900x900x292	
	Dimension (W x Dx H)(panel)	mm	647x647x50	647x647x50	950x950x55	950x950x55	950x950x55	950x950x55	
	Packing (W x Dx H)(panel)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	
	Net/Gross weight(body)	kg	16.2/21.4	16.5/19	21.8/25.2	25.6/29.6	24.5/28	26.7/31.1	
	Net/Gross weight	kg	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8	
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		
Drainage water pipe dia.	mm	ODØ25mm	ODØ25	ODØ32	ODØ32	ODØ32	ODØ32		
Refrigerant piping	Liquid side/ Gas side	mm	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø12.7(1/4"/1/2")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	
Controller	Standard	Remote Control	Remote control	Remote control	Remote-RG51C/E	Remote control	Remote control		
Operation temperature	°C	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		
	Heating	°C	0-30	0-30	0-30	0-30	0-30		

Outdoor model								
Power supply		V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	380-415-50,3	380-415,50,3
Max. input consumption		W	1900	2200	2950	4500	4150	6100
Max. input current		A	9.0	10.0	14.0	21.0	10	14.0
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	Btu/h	10093	13836	24345	32380	26085	44697
	Input	W	730	1035	1970	2600	2080	3420
	Rated current(FLA)	A	5.08	7.32	6.95	5.10	9.45	6.85
	Qty		1	1	1	1	1	1+1
Outdoor fan motor	Input	W	63	63	115	150	133/125	126
	Capacitor	µF	/	/	/	/	5UF/450V	/
	Speed(Hi)	r/min	800	850	760	950	870/-/820	850
	Qty		1	1	1	1	1	1+1
Outdoor coil	Number of rows		2	2	2	2	2	2
	Tube pitch(a)* row pitch(b)	mm	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.4	1.4	1.4	1.3	1.3	1.4
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Ø9.52,innergroove tube	Ø9.52,innergroove tube	Ø9.52,innergroove tube	Ø9.52, innergroove tube	Ø9.52, innergroove tube	Ø9.52,innergroove tube
	Coil length * height * width	mm	860x508x44	860x508x44	730x660x44	995x762x44	995x762x44	990x1270x22
	Number of circuits		4	4	4	4	4	8
Outdoor air flow	m3/h	2000	2100	2700	4300	5000	6800	
Outdoor sound pressure level	dB(A)	57	56.5	60.5	61	62.3	65	
Throttle type		Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV	Throttle Valve	Capillary +EXV	
Outdoor unit	Dimension(WxDxH)	mm	800x333x554	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
	Packing(WxDxH)	mm	920x390x615	920x390x615	965x395x765	1090x500x875	1090x500x875	1095x495x1480
	Net/Gross weight	kg	34.5/37.3	35.5/38.4	49/51.5	67.2/72.9	67.3/73.1	108.1/121.2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	
	GWP		2088	2088	2088	2088	2088	
	Charged quantity	kg	1.38	1.78	1.95	3.20	3	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	
Refrigerant piping	Liquid side/ Gas side	mm	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø12.7(1/4"/1/2")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø15.9(3/8"/5/8")
	Max. pipe length		25	30	50	65	30	65
	Max. difference in level		10	20	25	30	20	30
Ambient temperature	Cooling	°C	-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

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