EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Light Commercial Cassette Range

NON INVERTER

7 models from 12 000 to 60 000 Btu/h

- Single and 3-phase models
- COPs up to 3.24
- Heating and cooling
- Indoor airflow from 430 to 2000 m^3/h
- Max. pipe length up to 50m

FIVE YEAR 5 WARRANTY

Alliance

AIRCON EXPERTS (PTY) LTD.

New Alliance Light Commercial Cassette Range (Non-Inverter)

7 models from 12 000 to 60 000 Btu/h

Combining both quality and attractive design with Alliance's competitive pricing, the new Alliance range of Cassettes is suitable for both commercial and domestic use. With an indoor airflow of up to 2000 m^3/h (60 000 Btu/h model), these cassettes are suitable for climate control of large home or office areas. Backed nationwide sales and service in all major metropolitan areas, this new Alliance range is the ideal solution for projects where budgets are restricted yet quality is non-negotiable.

Indoor model			FOUC12/B	FOUC18/A	FOUC24/A	FOUC36/1/A	FOUC36/3/A	FOUC48/A	FOUC60/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	380~415-3-50	380~415-3-50
Cooling	Capacity	Btu/h	12000	18300	24000	36000	36000	48000	55000
	Input	W	1095	1980	2600	3900	3600	5191	6270
	Current	A	4.8	8.78	11.3	18	6.5	9.2	11
	EER	W/W	3.21	2.71	2.71	2.71	2.93	2.71	2.57
Heating	Capacity	Btu/h	13000	19000	26000	38000	38000	52000	61000
	Input	W	1180	1720	2200	3950	3600	4763	5800
	Current	A	5.3	7.63	9.6	18.5	6.5	/	10.2
	COP	W/W	3.23	3.24	3.46	2.82	3.09	3.20	3.08
Indoor fan motor	Input	W	86.7	78/71/51/39	/	174	/	/	/
	Capacitor	uF	1.2	2UF/450V	3	5	5	4.5	5
	Speed(Hi/Med/Lo)	r/min	670/530/440	890/850/685/583	620/480/410	690/610/540	670/560/470	760/690/610	760/690/610
Indoor coil	Number of rows		1	2	2	2	2	3	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.4	1.4	1.3	1.3	1.3
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,inner groove tube	Φ7,inner groove tube	Φ7,inner groove tube	Φ7,Inner groove tube	Φ7,inner groove tube	Φ7,inner groove tube	Φ7,inner groove tube
	Coil length x height x width	mm	1380x210x13.37	1360x210x26.74	2155x168x26.74	2010x210x26.74	2135x210x13.37+2065x210x13.37	2135x210x13.37+2065x210x13.37+1995x210x13.37	655x655x252
	Number of circuits		3	4	4	10	5	10	10
Indoor air flow (Hi/Mid/Lo)		m^3/h	612/477/388	810/650/530	1300/1000/820	1770/1540/1350	1960/1660/1400	1916/1780/1620	2100/1920/1730
Indoor noise level (sound pressure) (Hi/Mid/Lo)		dB(A)	41/36/33	48/41/36	45.5/40/37.5	52.5/49.5/46.5	52/48/45	54/52/50	54.0/51.5/48.0
Indoor unit	Dimension (WxDxH)(body)	mm	570x570x260	570x570x260	830x830x205	840x840x245	830x830x245	830x830x245	830x830x287
	Packing (WxDxH)(body)	mm	655x655x290	655x655x290	950x950x55	900x900x265	950x950x55	950x950x55	950x950x55
	Dimension (WxDxH)(panel)	mm	647x647x50	647x647x50	910x910x250	950x950x55	910x910x290	910x910x290	910x910x330
	Packing (WxDxH)(panel)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	14.5/17.5	16.5/19	22.2/26.2	25.6/30.2	26.1/30	28.3/32.3	30.5/34.5
	Net/Gross weight(panel)	kg	2.5/4.5	2.5/4.5	6/9	5/8	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 diameter		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ32	ODΦ25	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
Controller			Wired control	Wired control	Remote control	Remote control	Remote control	Remote control	Remote control
Operation temperature		℃	17~30	17~30	17~30	17~32	17~30	17~30	17~30
Room temperature	Cooling	℃	17~32	17~32	17~32	0	17~32	17~32	17~32
	Heating	℃	0~30	0~30	0~30	18~43	0~30	0~30	0~30

Outdoor model			FOUC12X/A	FOUC18X	FOUC24X/A	FOUC36X/1/A	FOUC36X/3/A	FOUC48X/A	FOUC60X/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	1650	2900	3700	5200	4250	6300	7500
Max. input current		A	8	15	18	23	7	11	12.6
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTOR	ROTARY	SCROLL	SCROLL
	Capacity	Btu/h	4060/4060	6245	8470	35604	36000	48109	55957
	Input	W	955/995	1530	2015	3520	3430	4750	5750
	Rated current(RLA)	A	4.35/4.20	6.9	9.2	16.35	6.4	8.22	9.77
	Locked rotor Amp(LRA)	A	25	38	55	89	36	66	67
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor		35	50	65	90	–	–	–
Outdoor fan motor	Input	W	/	/	135	293.3	293.3	162	162
	Capacitor		2.5	3	5	10	10	3.5	3.5
	Speed	r/min	890	890	825	850/770	850/770	765	765
Outdoor coil	Number of rows		1.0	1.6	1.6	2	2	2	2
	Tube pitch(a)* row pitch(b)	mm	21x22	21x13.37	21x13.37	25.4x22	25.4x22	21x22	21x22
	Fin spacing	mm	1.3	1.4	1.3	1.3	1.3	1.3	1.3
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium (Golden)	Hydrophilic aluminium (Golden)
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52 ,innergroove tube	Φ9.52,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	Coil length * height * width	mm	870x504x44	875x26.74x504	900x26.74x609	1995x762x44	995x762x44	830x630x22+795x630x22	830x22x630+795x22x630
	Number of circuits		2	2	5	4	4	8	8
Outdoor noise level (sound pressure)		dB(A)	55.5	58.5	60	59.6	63	63	63.3
Throttle type			Capillary	Capillary	Throttle valve	Throttle valve	Throttle valve	Throttle valve	Throttle valve
Outdoor unit	Dimension(WxDxH)		805x330x554	805x330x554	890x342x673	946x410x810	946x410x810	900x350x1170	900x350x1170
	Packing(WxDxH)		915x370x615	915x370x615	995x398x740	1090x500x875	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	32.3/34.9	37.8/40.4	52.9/55.9	75.6/80.4	74.4/78.9	98.6/109.3	99.7/111.2
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	0.85	1.3	2	0	2.85	3.3	3.3
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.8/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. pipe length	m	15	25	25	25	30	50	50
	Max. difference in level	m	8	15	15	15	20	30	30
Ambient temperature	Cooling	℃	18~43	18~43	18~43	0~60	-7~43	18~43	-15~43
	Heating	℃	-7~24	-7~24	-7~24	-7~24	-7~24	-7~24	-7~24

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

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