

EXPERIENCE THE
ALLIANCE
DIFFERENCE



Alliance Light Commercial Cassette Range **NON INVERTER**

6 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 m³/h
- Max. pipe length up to 50m
- Sold and supported nationwide by Fourways Group



Alliance

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New Alliance Light Commercial Cassette Range (Non-Inverter)

6 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 m³/h (60 000 Btu/h model), these cassettes are suitable for climate control of large home or office areas. Backed by Fourways Group 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/A	FOUC18	FOUC36/1/A	FOUC36/3	FOUC48	FOUC60
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	380~415-3-50	380~415-3-50	380~415-3-50
Cooling	Capacity	Btu/h	12000	18300	36000	36000	48000	55000
	Capacity	kW	3.5	5.3	10.5	10.5	14	16.1
	Input	W	1095	1980	3900	3600	5191	6272
	Current	A	4.8	8.78	18	6	9.2	11
	EER	W/W	3.21	2.71	2.71	2.93	2.71	2.57
Heating	Capacity	Btu/h	13000	19000	38000	36000	52000	61000
	Capacity	kW	3.8	5.5	11.1	11.1	15.2	17.9
	Input	W	1250	1720	3950	3650	4763	5843
	Current	A	5.3	7.63	18.5	6.1	8.5	10.3
	COP	W/W	3.05	3.24	2.82	2.89	3.2	3.06
Indoor fan motor	Input	W	40.5	78/71/51/39	174	174	174	174
	Capacitor	uF	1.5	2UF/450V	5	5	5	5
	Speed(Hi/Med/Lo)	r/min	640/540/440	890/850/685/583	690/610/540	690/610/540	775/610/540	775/610/540
Indoor coil	Number of rows		1	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
	Fin spacing	mm	1.3	1.3	1.4	1.4	1.4	1.4
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium (Golden)	Hydrophilic aluminium (Golden)
	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
	Coil length x height x width	mm	1380x210x13.37	1360x210x26.74	2010x210x26.74	2010x210x26.74	2080x210x40.11	2080x252x40.11
	Number of circuits		3	4	10	10	10	12
Indoor air flow (Hi/Mid/Lo)		m ³ /h	607/504/413	810/650/530	1770/1540/1350	1731/1494/1297	1990/1566/1305	1962/1541/1357
Indoor noise level (sound pressure) (Hi/Mid/Lo)		dB(A)	42.2/38.3/34.5	48/41/36	52.5/49.5/46.5	51/48/45.5	54/48/45	53/47/46
Indoor unit	Dimension (WxDxH)(body)	mm	570x570x260	570x570x260	840x840x245	840x840x245	840x840x245	840x840x287
	Packing (WxDxH)(body)	mm	655x655x290	655x655x290	900x900x265	900x900x265	900x900x265	900x900x292
	Dimension (WxDxH)(panel)	mm	647x647x50	647x647x50	950x950x55	950x950x55	950x950x55	950x950x55
	Packing (WxDxH)(panel)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	14.5/17.5	16.5/19	25.6/30.2	24.9/28.8	27/32	29/34
	Net/Gross weight(panel)	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 diameter		mm	ODΦ25	ODΦ25	ODΦ32mm	ODΦ32	ODΦ32	ODΦ32
Refrigerant piping	Liquid side/Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	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	Wired control	Remote control	Remote control
Operation temperature		°C	17~30	17~300	17~32	17~30	17~30	17~30
Room temperature	Cooling	°C	17~32	17~32	0	16~32	17~32	17~32
	Heating	°C	0~30	0~30	18~43	0~30	0~30	0~30

Outdoor model			FOUC12X/A	FOUC18X	FOUC36X/1	FOUC36X/3	FOUC48X	FOUC60X
Power supply		V-ph-Hz	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	2950	4250	4250	6300	7500
Max. input current		A	8	15	20.5	7	11	12.6
Compressor	Type		ROTARY	ROTARY	SCROLL	ROTARY	SCROLL	SCROLL
	Capacity	Btu/h	13857	21308	36000	36000	48109	55957
	Input	W	955/995	1530	3450	3430	4750	5750
	Rated current(RLA)	A	4.35/4.2	6.9	16.7	6.4	8.22	9.77
	Locked rotor Amp(LRA)	A	25	38	97	36	66	67
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor		35	50UF/450V	60	-	-	-
Outdoor fan motor	Input	W	72.5	91.8/79.2	293.3/261	293.3	162	162
	Capacitor		2.5	3UF/450V	10	10	3.5	3.5
	Speed	r/min	850/750	890/830	850/770	850/770	765	765
Outdoor coil	Number of rows		2	2	1.6	2	2	2
	Tube pitch(a)" row pitch(b)	mm	21x13.37	21x13.37	25.4x22	25.4x22	21x22	21x22
	Fin spacing	mm	1.4	1.4	1.5	1.3	1.3	1.3
	Fin type		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	Φ9.52, innergroove tube	Φ9.52,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	Coil length * height * width	mm	755x504x13.37+685x504x13.37	755x504x26.74	1005x762x22+580x762x22	995x762x44	830x630x22+795x630x22	830x22x630+795x22x630
	Number of circuits		4	4	4	4	8	8
Outdoor noise level (sound pressure)		dB(A)	55.5	62	63.4	63	63	63.3
Throttle type			Capillary	Capillary	Throttle valve	Throttle valve	Throttle valve	Throttle valve
Outdoor unit	Dimension(WxDxH)		770x300x555	770x300x555	946x410x810	946x410x810	900x350x1170	900x350x1170
	Packing(WxDxH)		900x345x595	900x348x615	1090x500x875	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	32/34.5	36.5/38.8	79.5/85.3	74.4/78.9	98.6/109.3	99.7/111.2
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A	R410A
Design pressure	Charged volume	kg	1	1.5	2.5	2.85	3.3	3.3
		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(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	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	30	30	50	50
	Max. difference in level	m	8	15	20	20	30	30
Ambient temperature	Cooling	°C	18~43	18~43	18~43	-7~43	18~43	-15~43
	Heating	°C	-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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