

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Light Commercial MSP Ducted Range **NON INVERTER**

36 000 to 60 000 Btu/h

- With capacities from 36 000 to 60 000 Btu/h, these ducted units are suitable for light commercial as well as domestic use
- Compact indoor size allows for installation in confined ceiling areas
- Standard air inlet and outlet sizes for simple duct connection
- Max. piping length of 30 to 50 metres between indoor and outdoor units allows flexibility of installation
- Indoor airflow up to 3150m³
- Backed nationwide by Fourways Group with branches in all major metropolitan areas.



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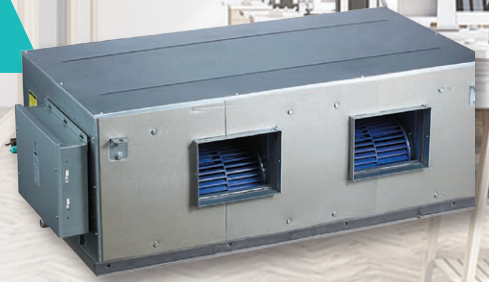
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New Alliance Light Commercial MSP Ducted Range (Non-Inverter)

36 000 to 60 000 Btu/h

With a height as compact as 270mm, these Alliance MSP hideaway units are suitable for fitting in confined spaces. An indoor airflow capacity of up to 3150m³ (MAC60HD) ensures climate control for several average sized rooms or offices. Alliance MSP Ducted units are sold through 8 branches of Fourways Group nationwide.



Indoor model			FOUH36/1/B	FOUH36/3/A	FOUH48/A	FOUH60/A
Power supply	V-Hz-Ph		220-240-50-1	380-420-50-3	380-420-50-3	380-420-50-3
Cooling	Capacity	Btu/h	36000	36000	48000	55000
	Input	W	3900	3650	5350	6360
	Current	A	18.5	6.1	9.2	11
	EER	W/W	2.71	2.89	2.63	2.53
Heating	Capacity	Btu/h	39000	37000	52000	62000
	Input	W	3500	3315	4220	5300
	Current	A	17	5.64	7.40	9.20
	COP	W/W	3.27	3.27	3.61	3.43
Indoor fan motor	Input	W	238/198/167	253	430	430
	Capacitor		5	8	10	10
	Speed(Hi/Med/Lo)	r/min	860/830/730	1104/991/876/787	940/850/740/645	940/850/740/645
Indoor coil	Number of rows		3	3	3	3
	Tube pitch(a)*row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4	1.3	1.3
	Fin type		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	Φ7, innergroove tube
	Coil length*height*width	mm	915x294x40.11	915x294x40.11	1030x378x40.11	1055x357x40.11
	Number of circuits		7	7	8	8
Indoor air flow (Hi/Med/Lo)	m ³ /h		1836/1383/1160	1804/1372/1149	2150/1800/1400	2400/1850/1490
ESP	Rated	Pa	37	37	50	50
	Range	Pa	0-100	0-100	0-160	0-160
Indoor noise level (Hi/Med/Lo)	dB(A)		48.8/43/39.3	47/40.5/38	48/45/42	52/50/48
Indoor unit	Dimension (WxDxH)	mm	1100x774x249	1100x774x249	1200x874x300	1200x874x300
	Packing(WxDxH)	mm	1305x805x305	1305x805x305	1405x915x365	1405x915x365
	Net/Gross weight	kg	32.2/39.4	32.2/39.4	46/54.5	46/54.5
Design pressure	MPa		4.2/1.0	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe diameter	mm		ODΦ25	ODΦ25	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/ Gas side	mm	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	Wired control	Wired control
Operation temperature	°C		17~30	17~30	17~30	17~30
Room temperature	Cooling	°C	17~32	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30	0~30

Outdoor model			FOUH36X1/B	MAC-36X/3/A	MAC-48X/A	MAC-60X/A
Power supply	V-HZ-Ph		220-240-50-1	380-415-50-3	380-415-50-3	380-415-50-3
Max. input consumption	W		4250	4250	6300	7500
Max. input current	A		20.5	7	11.0	12.6
Compressor	Type		SCROLL	ROTARY	SCROLL/ROTARY	SCROLL/ROTARY
	Capacity	Btu/h	36000	36000	48109	55957
	Input	W	3450	3430	4750	5750
	Rated current(RLA)	A	16.7	6.4	8.22	9.77
	Locked rotor Amp(LRA)	A	97	36	66	67
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor		60	0	-	-
Outdoor fan motor	Input	W	293.3/261	293	162	162
	Capacitor		10	10	3.5	3.5
	Speed	r/min	850/770	1.10	765	765
Outdoor coil	Number of rows		1.6	2	2	2
	Tube pitch(a)* row pitch(b)	mm	25.4x22	25.4x22	21x22	21x22
	Fin spacing	mm	1.5	1.3	1.3	1.3
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium (Golden)	Hydrophilic aluminium (Golden)
	Tube outside dia.and type	mm	Φ9.52,inner groove tube	Φ9.52,inner groove tube	Φ7,inner groove tube	Φ7,inner groove tube
	Coil length * height * width	mm	1005x762x22+580x762x22	1010x756x26.74	830x630x22+795x630x22	830x22x630+795x22x630
	Number of circuits		4	6	8	8
Outdoor noise level (sound pressure)	dB(A)		63.4	63	63	63.3
Throttle type			Throttle valve	Throttle valve	Throttle valve	Throttle valve
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	946x410x810	900x350x1170	900x350x1170
	Packing(WxDxH)	mm	1090x500x875	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	79.5/85.3	74.4/78.9	98.6/109.3	97/108
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A
	Charged volume	kg	2.5	2.85	3.3	3.3
Design pressure	MPa		4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	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	30	30	50	50
	Max. difference in level	m	20	20	30	30
Ambient temperature	Cooling	°C	18-43	-7~43	18-43	-15~43
	Heating	°C	-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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