

NEW

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Alliance MSP Ducted Light Commercial (Inverter)

Model FOUHI24-60



- High-capacity heating/cooling
- Single-phase & 3-phase models
- Indoor airflow up to 2600 m³/h
- Indoor sound level (Lo): 42 dB(A)
- Piping length to outdoor unit: up to 65 metres
- Backed nationwide by Fourways Airconditioning South Africa

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The Alliance light commercial hideaway unit can easily be fitted into areas where ceiling space is restricted. 50 metres of piping length to the outdoor unit allows for maximum flexibility of installation, while an indoor airflow of up to 2600m³(High setting) ensures climate control of several office or home rooms.



Indoor Model		FOUHI-24	FOUHI-36/1	FOUHI-36/3	FOUHI-48	FOUHI-60
Indoor code		22023011003014	22023011003075	22023011003075	22023011003536	22023011003554
Outdoor Model		FOUHI-24X	FOUHI-36X/1	FOUHI-36X/3	FOUHI-48X	FOUHI-60X
Outdoor code		22022516000562	22022516000422	22022516000422	22023016001291	22022516000682
Power supply (Indoor)		V- Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Power supply (Outdoor)		V- Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz
Cooling	Capacity	Btu/h	24000	36000	36000	48000
	Capacity	kW	7.034	10.551	10.551	14.068
	Input	W	2191	4058	4058	5200
	Current	A	10	18.5	18.5	8.46
Heating	Capacity	Btu/h	24000	38000	38000	56000
	Capacity	kW	7.034	11.137	11.137	16.413
	Input	W	1950	3085	3085	4400
	Current	A	8.9	14.1	14.1	7.0
Indoor fan motor	Qty		1	1	1	1
	Input	W	90.00	250/182/130	250/182/130	560/240/95
	Capacitor	uF	/	/	/	/
	Speed(Hi/Med/Lo)	r/min	870/790/710	1100/1000/900	1100/1000/900	1020/800/600
Indoor coil	Number of rows		3.0	4.0	4.0	4.0
	Tube pitch(a)*row pitch(b)		21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4	1.4	2
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	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	1175x294x53.48	1175x294x53.48	1030x378x53.48
Indoor air flow	m ³ /h	1500/1275/1050	1800/1530/1260	1800/1530/1260	2400/2040/1680	2600/2210/1820
ESP	Rated	Pa	25	37	37	50
	Range	Pa	0-100	0-120	0-120	0-160
Indoor sound pressure level						
Indoor sound power level						
Indoor unit	Dimension (WxDxH)	mm	1100x774x249	1360x774x249	1360x774x249	1200x874x300
	Packing(WxDxH)	mm	1305x805x305	1570x805x305	1570x805x305	1405x915x355
	Net/Gross weight	kg	31.7/39.1	40.2/48.4	40.2/48.4	46/55
Design pressure		MPa	4.2/1.5	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		Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller		Standard	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			220-240,50,1	220-240,50,1	380-415-50,3	380-415,50,3	380-415,50,3
Power supply		V,Hz,Ph	220-240,50,1	220-240,50,1	380-415-50,3	380-415,50,3	380-415,50,3
Max. input consumption		W	2950	4500	4150	6100	7500
Max. input current		A	14.0	21.0	10	13.0	14.0
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	Btu/h	24345	32380	26085	44697	44697
	Input	W	1970	2600	2080	3420	3420
	Rated current(RLA)	A	6.95	5.10	9.45	6.85	6.85
Outdoor fan motor	Qty		1	1	1	1+1	1+1
	Input	W	115	150	133/125	126	126
	Capacitor	µF	/	/	5UF/450V	/	/
	Speed(Hi)	r/min	760	950	870/-/820	850	850
Outdoor coil	Number of rows		2	2	2	2	2
	Tube pitch(a)* row pitch(b)	mm	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.4	1.3	1.3	1.4	1.4
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ9.52,innergroove tube	Φ9.52,innergroove tube	Φ9.52,innergroove tube	Φ9.52,innergroove tube	Φ9.52,innergroove tube
	Coil length * height * width	mm	730x660x44	995x762x44	995x762x44	990x1270x22	990x1270x44
Outdoor air flow	m ³ /h	2700	4300	5000	6800	7200	
Outdoor sound pressure level							
Throttle type			Capillary +EXV	Capillary +EXV	Throttle Valve	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension(WxDxH)	mm	845x363x702	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packing(WxDxH)	mm	965x395x765	1090x500x875	1090x500x875	1095x495x1480	1095x495x1480
	Net/Gross weight	kg	49/51.5	67.2/72.9	67.3/73.1	108.1/121.2	112.8/126
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	GWP		2088	2088	2088	2088	2088
	Charged quantity	kg	1.95	3.20	3	4.00	4.30
Design pressure		MPa	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		Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length		50	65	30	65	65
	Max. difference in level		25	30	20	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24

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