

Alliance

Affordable quality · Proven reliability · Since 2006



Alliance Light Commercial Underceiling Inverter Range

FOUUI36 · FOUUI48 · FOUUI60



- Powerful output with Inverter economy
- Indoor airflows from 1208 m³/h to 2225 m³/h
- Heating/cooling
- 3-phase models

Total Comfort

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Suitable for large indoor areas such as conference rooms, boardrooms, hotels etc, the new Alliance range of Underceilings offers Inverter energy efficiency with quiet operation and powerful 3-speed airflow of up to 2225 m³/h. A maximum pipe length of up to 65 metres (FOUUI36 model) allows maximum flexibility in location of the outdoor unit.



Indoor Model			FOUUI36/3	FOUUI48	FOUUI60
Indoor code			22022711001556	22022711001538	22022711001576
Outdoor Model			FOUUI36X/3	FOUUI48X	FOUUI60X
Outdoor code			22022516000862	22022516000843	22022716000915
Power supply (Indoor)		V,HZ,Ph	220~240,50,1	220~240,50,1	220~240,50,1
Cooling	Capacity	Btu/h	36000	48000	55000
	Input	W	3950	5191	6900
	Current	A	6.30	8.30	11.0
	EER	W/W	2.67	2.71	2.34
Heating	Capacity	Btu/h	38000	50000	58000
	Input	W	3400	4175	5900
	Current	A	5.50	6.75	10.0
	COP	W/W	3.28	3.51	2.88
Indoor fan motor	Qty		1	2	2
	Input	W	148/131/122	120/110/105	120/110/105
	Capacitor	uF	4.5uF/450V	2.5uF/450V	2.5uF/450V
	Speed(Hi/Med/Lo)	r/min	1370/1300/1225	1315/1200/1120	1315/1200/1120
Indoor coil	Number of rows		3	3	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	07,innergroove tube	07,innergroove tube	07,innergroove tube
	Coil length x height x width	mm	1010x294x40.11	1300x294x40.11	1300x294x40.11
		Number of circuits	9	10	10
Indoor air flow (Hi/Mi/Lo)		m ³ /h	1754/1459/1208	2225/1848/1624	2203/1876/1674
Indoor sound pressure level (Hi)		dB(A)	55.7/51.5/46.8	55.3/51.5/49.2	53.4/50.5/48
Indoor unit	Dimension (WxDxH)	mm	1285x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1360x755x313	1725x755x313	1725x755x313
	Net/Gross weight	kg	30.1/35.4	37.5/43.8	40/46
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25
Refrigerant piping		mm	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
Controller		Standard	Remote control	Remote control	Remote control
Operation temperature		°C	17~30	17~30	17~30
Room temperature	Cooling	°C	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30

Outdoor model			V,HZ,Ph	380~415,50,3	380~415,50,3	380~415,50,3
Power supply			W	4150	6100	7500
Max. input consumption			A	10	13.0	14.0
Compressor	Type			ROTARY	ROTARY	ROTARY
	Capacity	Btu/h		26085	44697	44697
	Input	W		2080	3420	3420
	Rated current(RLA)	A		9.45	6.85	6.85
Outdoor fan motor	Qty			1	1+1	1+1
	Input	W		133/125	126	126
	Capacitor	uF		5UF/450V	/	/
	Speed(Hi)	r/min		870/~820	850	850
Outdoor coil	Number of rows			2	2	2
	Tube pitch(a)* row pitch(b)	mm		25.4x22	25.4x22	25.4x22
	Fin spacing	mm		1.3	1.4	1.4
	Fin type			Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm		09.52, innergroove tube	09.52,innergroove tube	09.52,innergroove tube
	Coil length * height * width	mm		995x762x44	990x1270x22	990x1270x44
		Number of circuits		4	8	8
Outdoor air flow		m ³ /h		5000	6800	7200
Outdoor sound pressure level		dB(A)		62.3	65	62.5
Throttle type				Throttle Valve	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension(WxDxH)	mm		946x410x810	952x415x1333	952x415x1333
	Packing(WxDxH)	mm		1090x500x875	1095x495x1480	1095x495x1480
	Net/Gross weight	kg		67.3/73.1	108.1/121.2	112.8/126
Refrigerant	Type			R410A	R410A	R410A
	GWP			2088	2088	2088
	Charged quantity	kg		3	4.00	4.30
Design pressure		MPa		4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side			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			30	65	65
	Max. difference in level			20	30	30
Ambient temperature	Cooling	°C		-15~50	-15 50	-15 50
	Heating	°C		-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.

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