

EXPERIENCE THE  
**ALLIANCE**  
**DIFFERENCE**

# Alliance Light Commercial Underceiling **INVERTER**

FOUUI36/1/B · FOUUI36/A/3  
FOUUI48/A · FOUUI60/A

- Powerful output with Inverter economy
- Indoor airflows from 1504m<sup>3</sup>/h to 2340m<sup>3</sup>/h
- Heating/cooling
- 3-phase models
- Backed by Fourways Group nationwide



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# New Alliance Light Commercial Underceiling Inverter Range



FOUUI36/1/B · FOUUI36/A/3 · FOUUI48/A · FOUUI60/A

Suitable for large indoor areas such as conference rooms, boardrooms, hotels etc, the Alliance range of Underceilings offers Inverter energy efficiency with quiet operation and powerful 3-speed airflow of up to 2340 m<sup>3</sup>/h. A maximum pipe length of up to 75 metres (FOUUI36/1/B model) allows maximum flexibility in location of the outdoor unit. As with all Alliance products, these Underceilings are backed by Fourways Group branches in all major metropolitan areas.

Indoor Model			FOUUI36/1/B	FOUUI36/A/3	FOUUI48/A	FOUUI60/A	
Power supply		V-ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50	
Cooling	Capacity	Btu/h	36000	36000	48000	55000	
	Input	W	4160	4000	5700	6700	
	Current	A	18.8	6.90	10,30	11,00	
	EER	W/W	2.54	2.64	2.47	2.41	
Heating	Capacity	Btu/h	40000	40000	53000	61000	
	Input	W	3250	3250	5100	5700	
	Current	A	14.7	6	10	9	
	CDP	W/W	3.61	3.61	3.05	3.14	
Indoor fan motor	Input	W	96.0	96.0	166.0	166.0	
	Capacitor	uF	/	/	2.5	2.5	
	Speed(Hi/Med/Lo)	r/min	1160/1040/920	1160/1040/920	1280/1220/1145	1300/1230/1160	
Indoor coil	Number of rows		3	3	3	3	
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37	
	Fin spacing	mm	1.3	1.3	1.3	1.3	
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	
	Tube outside dia.and type	mm	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube	
	Coil length x height x width	mm	1300x294x40.11	1300x294x40.11	1300x294x40.11	1300x294x40.11	
	Number of circuits		10	10	10		
Indoor air flow(Hi/Med/Lo)		m <sup>3</sup> /h	1955/1728/1504	1955/1728/1504	2300/2170/2000	2340/2180/2020	
Indoor noise level (sound pressure)(Hi/Med/Lo)		dB(A)	50/47/43	51/48/44	54/52/50	53.5/50.5/49.5	
Throttle type			ODU throttle	ODU throttle	ODU throttle	ODU throttle	
Indoor unit	Dimension (WxDxH)	mm	1650x675x235	1650x675x235	1650x675x235	1650x675x235	
	Packing (WxDxH)	mm	1725x755x318	1725x755x318	1725x755x318	1725x755x318	
	Net/Gross weight	kg	41.5/48	41.5/48	40.4/46.8	40.4/47.0	
Design pressure		MPa		4.2/1.5	4.2/1.5	4.2/1.5	
Drainage water pipe diameter		mm	ØØ25mm	ØØ25mm	ØØ25mm	ØØ25mm	
Refrigerant piping		Liquid side/Gas side	mm(inch)	Ø9.52Ø/15.9(3/8"5/8")	Ø9.52Ø/15.9(3/8"5/8")	Ø9.52Ø/15.9(3/8"5/8")	Ø9.52Ø/15.9(3/8"5/8")
Controller			Remote control	Remote control	Remote control	Remote control	
Optional Wired Controller							
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			FOUUI36X/1/B	FOUUI36XA/3	FOUUI48X/A	FOUUI60X/A	
Power supply		V-ph-Hz	220-240-1-50	380-415-3-50	380-415-3-50	380-415-3-50	
Max. input consumption		W	5000	5000	6700	7600	
Compressor	Capacity	Btu/h	10010	8095	10010	13700	
	Input	W	2765	2200	2765	3700	
	Rated current(RLA)	A	5.38	10	5.38	7.02	
Outdoor fan motor	Qty		1	1	2	2	
	Input	W	150.0	133.0	293.3	142.0	
	Capacitor	µF	/	5	10	5	
	Speed	r/min	950/850/700	870/820	850	880/810	
Outdoor coil	Number of rows		2	2	2.6	1.6	
	Tube pitch(a) * row pitch(b)	mm	25.4x22	25.4x22	25.4x22	25.4x22	
	Fin spacing	mm	1.3	1.3	1.5	1.4	
	Fin type		Hydrophilic Aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	Tube outside dia.and type	mm	Ø9.52,Inner groove tube	Ø9.52,Inner groove tube	Ø9.52,Inner groove tube	Ø9.52,Inner groove tube	
	Coil length * height * width	mm	995x762x44	995x762x44	995x762x22+960x762x22+580x762x22	990x660.4x22+580x660.4x22	
	Number of circuits		4	4	6	4	
Outdoor Air Flow		m <sup>3</sup> /h	4000	5000	5000	7650	
Outdoor noise level (sound pressure)		dB(A)	64	60.5	64.5	65	
Throttle type			EXV+Throttle valve	Throttle valve	Throttle valve	Throttle valve	
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	946x410x810	946x410x810	952x415x1333	
	Packing(WxDxH)	mm	1090x500x885	1090x500x885	1090x500x885	1095x495x1480	
	Net/Gross weight	kg	67.6/72.1	77.9/82.7	86.7/91.4	107.1/121.3	
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	
	Charged volume	kg	3.2	3.00	3.65	4.00	
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)	Ø9.52Ø/15.9(3/8"5/8")	Ø9.52Ø/15.9(3/8"5/8")	Ø9.52Ø/15.9(3/8"5/8")	Ø9.52Ø/15.9(3/8"5/8")	
	Max. pipe length	m	75	30	50	50	
	Max. difference in level	m	30	20	30	30	
Ambient temperature	Cooling	°C	-15-50	-15-50	-15-50	-15-50	
	Heating	°C	-15-24	-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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