

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Light Commercial Underceiling **INVERTER**

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

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



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New Alliance Light Commercial Underceiling Inverter Range



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

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 (FOUUI36/1/A model) allows maximum flexibility in location of the outdoor unit. As with all Alliance products, these new Underceilings are backed by Fourways Group branches in all major metropolitan areas.

Indoor Model			FOUUI36/1/A	FOUUI36/A/3	FOUUI48/A	FOUUI60/A
Power supply (Indoor)		V,Hz,Ph	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50
Cooling	Capacity	Btu/h	36000	36000 (9300-37000)	48000 (12000-48600)	55000 (14000-56000)
	Input	W	3768	4000 (9300-37000)	5700 (950-5800)	6700(1150-6900)
	Current	A	17.2	6.9 (9300-37000)	10.3 (2.3-10.5)	11.0 (3.1-11.5)
	EER	W/W	2.80	2.64	2.47	2.41
Heating	Capacity	Btu/h	38000	40000 (9500-41400)	53000 (14000-57000)	61000 (15000-67000)
	Input	W	3094	3250 (850-3680)	5100 (1000-5780)	5700 (1100-6500)
	Current	A	14.1	5.8 (1.6-6.3)	9.5 (2.5-10.4)	9.0 (2.2-10.9)
	COP	W/W	3.60	4	3.05	3.14
Indoor fan motor	Input	W	96	96	166	166
	Capacitor	uF	/	/	2.5	2.5
	Speed(Hi/Med/Lo)	r/min	1300/1100/1225	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 aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	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	10
Indoor air flow (Hi/Mi/Lo)	m ³ /h		2048/1767/1403	1955/1728/1504	2300/2170/2000	2340/2180/2020
Indoor sound pressure level (Hi)	dB(A)		52/46/40	51/48/44	54/52/50	53.5/50.5/49.5
Indoor unit	Dimension (WxDxH)	mm	1650x675x235	1650x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1725x755x313	1725x755x318	1725x755x318	1725x755x318
	Net/Gross weight	kg	40.3/46.9	41.5/48	40.4/46.8	40.4/47
Design pressure	MPa		4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe diameter	mm		ODØ25	ODØ25	ODØ25	ODØ25
Refrigerant piping	Liquid side/Gas side		Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")
Controller		Standard	Wired control	Wired control	Remote 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			FOUUI36X/1/A	FOUUI36XA/3	FOUUI48X/A	FOUUI60X/A
Power supply		V,Hz,Ph	220-240-1-50	380-415-3-50	380-415-3-50	380-415-3-50
Max. input consumption		W	4500	5000	6700	7600
Max. input current		A	21	10	14	14
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	Btu/h	32380	8095	10010	13700
	Input	W	2600	2200	2765	3700
	Rated current(RLA)	A	5.1	10	5.38	7.02
Outdoor fan motor	Input	W	150	133	293.3	142
	Capacitor	F	/	5	10	5
	Speed(Hi)	r/min	950	870/-820	850	880/810
Outdoor coil	Number of rows		2	2	2.6	2
	Tube pitch(a)* row pitch(b)	mm	25.4x22	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.3	1.3	1.5	1.6
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Ø9.52, Inner groove tube	Ø9.52, Innergroove tube	Ø9.52, Innergroove 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 ³ /h		4300	5000	5000	7650
Throttle type			Capillary +EXV	Throttle Valve	Throttle Valve	Throttle Valve
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	946x410x810	946x410x810	952x415x1333
	Packing(WxDxH)	mm	1090x500x875	1090x500x885	1090x500x885	1095x495x1480
	Net/Gross weight	kg	67.2/72.9	77.9/82.7	86.7/91.4	107.1/121.3
Refrigerant	Type /Quality		R410A	R410A	R410A	R410A
	Charged quantity	kg	3.2	3	3.65	4
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		Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø15.9(3/8"/5/8")
	Max. pipe length		65	30	50	50
	Max. difference in level		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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JHB & Central: (011) 704-6320
 Bloemfontein: 083 381 0074
 Gqeberha (PE): (041) 484-6413
 CPT: (021) 556-8292

KZN: (031) 579-1895
 Pretoria: (012) 643-0445
 EL: (043) 722-0671

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