

EXPERIENCE THE
**ALLIANCE
DIFFERENCE**



Alliance **R32** Underceiling Light Commercial INVERTER

MODEL: FOUUI24-R32, 36,48 & 60

- Heating/Cooling
- Single & 3-phase models
- Powerful output with Inverter economy and eco-friendly refrigerant.
- Indoor airflows range from 853m³/h to 2200m³/h
- Easy-to-use controllers



Eco-Friendly:

Significantly reduces global warming potential by up to 75%.

Efficient:

Offers up to 12% higher efficiency and uses 40% less refrigerant.

Cost-Effective:

Lowers energy consumption and operational costs.

Safe:

Mildly flammable but non-explosive.

Recyclable:

Easier to reuse and recycle due to its single-component nature.

Alliance

www.allianceafrica.co.za

New Alliance R32 Underceiling Light Commercial (Inverter)

The new Alliance R32 Underceiling are easy to install on either the floor or ceiling. Ideal for conference rooms, boardrooms, hotels, etc., with a powerful 3 speed airflow of 2200 m³/h and inverter technology to ensure energy efficiency. The low noise and maximum pipe length of up to 75 metres allow maximum flexibility in the location of the outdoor unit.



Indoor Model			FOUUI24-R32	FOUUI36/1-R32	FOUUI36/3-R32	FOUUI48/1-R32	FOUUI48/3-R32	FOUUI60-R32
Power supply (Indoor)		V,Hz,Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling	Capacity	Btu/h	24000(10990~27100)	36000(9300~39000)	36000(9300~39000)	48000(12000~52000)	48000(12000~52000)	52000(14000~55000)
	Input	W	2300(750~2730)	3900(900~4250)	3900(900~4250)	5000(910~6200)	5000(910~6200)	5900(1100~6500)
	EER	W/W	3.06	2.71	2.71	2.81	2.81	2.58
	Single Phase Current	A	10.54(3.9~12.1)	17.0(4.2~19.0)	5.6(1.4~6.3)	21.9(5.8~27.8)	7.6(2.1~9.6)	8.9(3.1~10.8)
Heating	Capacity	Btu/h	26000(9280~29000)	40000(9600~43600)	40000(9600~43600)	55000(14000~60000)	55000(14000~60000)	62000(15000~66000)
	Input	W	1980(650~2940)	3350(800~3950)	3350(800~3950)	4800(950~5950)	4800(950~5950)	5950(1120~6350)
	COP	W/W	3.85	3.50	3.50	3.36	3.36	3.05
	Single Phase Current	A	8.7(3.5~10.60)	15.0(3.5~17.5)	5.0(1.2~5.83)	20.7(6.6~26.6)	7.4(2.2~9.2)	9.1(3.1~10.5)
Indoor fan motor	Input	W	96	96	96	96	96	200
	Capacitor	uF	/	/	/	/	/	/
	Speed(Hi/Med/Lo)	r/min	1202/1051/900	1160/1040/920	1160/1040/920	1300/1200/1100	1300/1200/1100	1350/1050/850
Indoor coil	Number of rows		3	3	3	3	3	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3	1.3	1.3	1.3
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	795x294x40.11	1300x294x40.11	1300x294x40.11	1300x294x40.11	1300x294x40.11	1300x294x40.11
	Number of circuits		7	10	10	10	10	10
Indoor air flow (Hi/Mi/Lo)	m ³ /h	1192/1023/853	1955/1728/1504	1955/1728/1504	2100/1850/1600	2100/1850/1600	2200/1950/1650	
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	49.5/45.5/36.5/22.5	51.5/48/45/39	51.5/48/45/39	51/49/43/35	51/49/43/35	53/50/42/36	
Indoor unit	Dimension (WxDxH)	mm	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1145x755x318	1725x755x318	1725x755x318	1725x755x318	1725x755x318	1725x755x318
	Net/Gross weight	kg	28/33.1	41.5/48	41.5/48	41.7/48.5	41.7/48.5	42.3/49.2
Design pressure	MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	
Drainage water pipe diameter	mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	
Refrigerant piping	Liquid side/Gas side	mm	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
Controller	Standard		Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	
Operation temperature	°C	16~30	16~30	16~30	16~30	16~30	16~30	

Outdoor Model			FOUUI24X-R32	FOUUI36X/1-R32	FOUUI36X/3-R32	FOUUI48X/1-R32	FOUUI48X/3-R32	FOUUI60X-R32
Power supply		V,Hz,Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz
Max. input consumption		W	3700	5000	5000	7300	7300	7500
Max. current		A	19	22.5	10	32	14	14
	Type		Twin-ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	7600	10010	10010	13700	13700	13700
	Input	W	2045	2765	2765	3700	3700	3700
	Rated current(RLA)	A	9.30	5.38	5.38	7.02	7.02	7.02
Outdoor fan motor	Input	W	80	150	150	250	250	250
	Speed	r/min	830/700/550	950/850/700	950/850/700	850/400	850/400	850/400
Outdoor coil	a.Number of rows		1.6	2	2	2.6	2.6	3
	b.Tube pitch(a)x row pitch(b)	mm	21x22	25.4x22	25.4x22	21x22	21x22	21x22
	c.Fin spacing	mm	1.3	1.3	1.3	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	900x609x22+540x609x22	995x762x44	995x762x44	990x924x66	990x924x66	990x924x66
	g.Number of circuits		4	4	4	14	14	14
Outdoor air flow		3500	4000	4000	5600	5600	5600	
Outdoor sound pressure level (Hi/Mi/Lo)	dB(A)	60.5	63	63	64	64	65	
Throttle type			EXV+Throttle valve	EXV	EXV	EXV+Throttle valve	EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	890x342x673	946x410x810	946x410x810	980x375x975	980x375x975	980x375x975
	Packing (W*D*H)	mm	995x398x740	1090x500x885	1090x500x885	1145x500x1080	1145x500x1080	1145x500x1080
	Net/Gross weight	Kg	41.9/45.2	66.9/71.5	80.5/85	82.5/97	90/105	92/107
Refrigerant type	Type		R32	R32	R32	R32	R32	R32
	GWP	Kg	675	2.4	2.4	675	675	675
Design pressure	MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	50	75	75	75	75	75
	Max. difference in level	m	25	30	30	30	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.