

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



# Alliance R32 Cassette Light Commercial INVERTER

MODEL: FOUCI36-R32, 48, & 60

- 3 models, **3-phase**
- Heating/Cooling
- Low noise output and Energy-efficient
- Indoor airflows from 330m<sup>3</sup> to 2000m<sup>3</sup>
- Eco-friendly with easy-to-use controllers
- Max. pipe length to outdoor unit up to 75m



**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](http://www.allianceafrica.co.za)

# New Alliance R32 Cassette Light Commercial (Inverter)



With features like quiet operation and high energy efficiency, the new Alliance R32 Cassette Inverter range is beautifully designed and innovatively space-saving units, that blend perfectly into any environment. Large selection of single and three-phase cassettes that are suitable for household and business applications.

Indoor Model			FOUCI36/3-R32	FOUCI48/3-R32	FOUCI60-R32	
Power supply (Indoor)		V,HZ,Ph	220-240V,1Ph, 50Hz	220-240V,1Ph, 50Hz	220-240V,1Ph, 50Hz	
Cooling	Capacity	Btu/h	36000 (9200~39000)	48000( 12000~54000)	52000 (14000~55000)	
	Input	W	3950 (900~4200)	4980 (810~6350)	5700 (1000~6250)	
	EER	W/W	2.67	2.82	2.67	
	Current	A	6(1.4~6.7)	8.0(1.8~10.3)	8.8(2.1~10.7)	
Heating	Capacity	Btu/h	38000(9500~42000)	55000(14000~59000)	62000(15000~65000)	
	Input	W	3000(800~3950)	4580(910~5900)	5700(1020~6350)	
	COP	W/W	3.71	3.52	3.19	
	Current	A	4.5(1.2~5.83)	7.5(1.9~9.6)	8.8(2.1~10.8)	
	Input	W	157	157	157	
	Speed(hi/mi/lo)	r/min	700/630/570	712/648/584	736/672/608	
Indoor coil	a.Number of rows		3,0	3	3,0	
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	
	c.Fin spacing	mm	1,3	1,3	1,3	
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	
	f.Coil length x height x width	mm	2135x210x40.11	980x252x40.11+980x252x40.11	980x252x40.11+980x252x40.11	
	g.Number of circuits		10	10	10	
Indoor air flow (Hi/Mi/Lo)		m <sup>3</sup> /h	1700/1530/1300	1900/1750/1600	2000/1850/1650	
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	51/48/46/40	51.5/49.0/46.5/38.5	53/50.5/45.5/40	
Indoor unit	Dimension (W x Dx H)(body)	mm	830x830x245	830x830x287	830x830x287	
	Packing (W x Dx H)(body)	mm	910x910x290	910x910x330	910x910x330	
	Dimension (W x Dx H)(panel)	mm	950x950x55	950x950x55	950x950x55	
	Packing (W x Dx H)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90	
	Net/Gross weight(body)	kg	27.2/31.2	29.3/33.5	29.3/33.5	
	Net/Gross weight	kg	6/9	6/9	6/9	
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	
Drainage water pipe dia.		mm	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)
Controller		Standard	Remote Control	Remote Control	Remote Control	
Operation temperature		°C	16~30	16~30	16~30	
Room temperature	Cooling	°C	16~32	16~32	16~32	
	Heating	°C	0-30	0-30	0-30	

Outdoor Model			FOUCI36X/3-R32	FOUCI48X/3-R32	FOUCI60X-R32
Power supply		V,HZ,Ph	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz
Max. input consumption		W	5000	5000	7300
Max. current		A	22.5	10	32
	Type		ROTARY	ROTARY	ROTARY
	Capacity	W	10010	10010	13700
	Input	W	2765	2765	3700
	Rated current(RLA)	A	5.38	5.38	7.02
	Input	W	150	150	250
	Capacitor	uF	/	/	/
	Speed	r/min	950/850/700	950/850/700	850/400
	b.Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	21x22
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube	Φ7,Inner groove tube
f.Coil length x height x width	mm	995x762x44	995x762x44	990x924x66	
g.Number of circuits		4	4	14	
Outdoor air flow			4000	4000	5600
Outdoor sound pressure level (Hi/Mi/Lo)		dB(A)	63	64.0	65
Throttle type			EXV	EXV	EXV+Throttle valve
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1145x500x1080
	Net/Gross weight	Kg	66.9/71.5	80.5/85	82.5/97
Refrigerant type	Type		R32	R32	R32
	GWP		675	675	675
		Kg	2.4	2.4	2.9
Design pressure		MPa	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)
	Max. refrigerant pipe length	m	75	75	75
	Max. difference in level	m	30	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-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.