

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Floor Standing INVERTER

FOUFSI96 - 96 000Btu

- Wide application usage in private or public places.
- Unique fan design for optimal heat exchange .
- Condenser designed with fine fins and an inner-threaded heat exchange pipe.
- Heat dissipation with refrigerant .
- Wide operational temperature range (-7°C to 52°C) .
- Side discharge casing making for more convenient installations.
- Long pipe designs allowing for several installation choices .



Alliance

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fourways^o

Alliance Floor Standing

- **Wide application usage** - for public places such as shopping malls, restaurants, ball rooms, schools, hotels, meeting rooms, and supermarkets, creating a comfortable and pleasant environment.
- **DC inverter scroll technology** - allowing for higher efficiencies, wider operation frequencies and lower noise.
- **Unique fan design for optimal heat exchange** - enhances fan efficiency and heat exchange effect, at the same time decreasing fan vibrations and improving comfort.
- **Condenser designed with fine fins and an inner** - threaded heat exchange pipe. Through the simulation of wind field and stream, the condenser heat exchange effect is considerably improved.
- Voltage range for operation is wider, safer, and reliable - can remain stable under wider voltage range (342V-456V), thus ensuring the safety of the unit.
- **Heat dissipation with refrigerant** - allowing for reliability and no damage to electrical components, thereby ensuring reliable operation of the compressor at very high ambient temperatures.
- Wide operational temperature range (-15°C to 52°C).
- **Side discharge casing making for more convenient installations** - the outdoor unit is smaller and lighter in weight, saving space by 30% and allowing installations within walls.
- **Long pipe designs allowing for several installation choices** - up to 50m in length and heights up to 30m.



Model				FOUFSI96	
Nominal Capacity At Rated ESP		Cooling	Btu/h	96000.00	
			kW	28.10	
		Heating	Btu/h	102000.00	
			kW	30.00	
EER / C.O.P			W/W	2.44/3.00	
			Btu/h.W	8.34/10.20	
Electrical Data	Power supply		V-Hz-Ph	380-415-50-3	
	Power input ¹	Cooling	kW	11.50	
		Heating	kW	10.00	
	Rated Power input ²		kW	15.40	
	Input current ¹	Cooling	A	19.70	
		Heating	A	17.10	
	Rated current ²		A	24.60	
	Max. Overcurrent Protection		A	25.00	
	Min/Max Voltage		V	342/456	
Power cord spec		mm²xpcs	2.50×5.00		
Refrigerant	Type			R410A	
Air Flow Volume			m³/h	4000.00	
Indoor Unit	Model of Indoor Unit			FOUFSI96	
	Sound Pressure Level dB (A) (H/M/L)*		dB (A)	63.00/60.00/57.00	
	Sound Power Level dB (A) (H/M/L)*		dB (A)	73.00/70.00/67.00	
	Fan Motor	Speed(H/M/L)*	rpm	585/530/460/405	
		Power output	HP	0.28	
		Insulation class		B	
		Capacitor	uF	10.00	
	Fan	Type		Centrifugal	
	Evaporator	Material		copper tube-Aluminum fin	
		Face Area	sq.ft	9.11	
			m²	0.85	
		Pipe Diameter	mm	φ9.52	
		Fin type		Hydrophilic-window/aluminum	
		Length(L) x Height(H) x Width(W)	mm	1037x816x66	
	Dimension	Outline dimension (WxDxH)	mm	1200.00×400.00×1850.00	
	Weight	Net Weight	kg	129.00	
Gross Weight		kg	141.00		
Outdoor Unit	Model of Outdoor Unit			FOUFSI96X	
	Sound Pressure Level		dB (A)	63.00	
	Sound Power Level		dB (A)	73.00	
	Compressor	Type		Rolling piston type rotary	
		Capacity	kW	20.10	
	Fan	Type		Axial-flow	
		Quantity		2.00	
		Length(L) x Height(H) x Width(W)	mm	1075×38×1584	
	Dimension	Outline dimension (WxDxH)	mm	940.00×460.00×1615.00	
	Weight	Net weight	kg	160.00	
		Gross weight	kg	174.00	
Operation temp		Cooling	°C	-7~52	
		Heating	°C	<-15>~-24	
Connection Pipe	Length		m	7.50	
	Max Distance	Height	m	30.00	
		Length	m	50.00	

Note:

*1.The cooling (heating) capacity stated above is measured under following conditions conditions :

Indoor Condition: 27°C-81°F - DB/19°C66.°F WB;

Outdoor Condition: 35°C-95.4°F - DB/24°C75.6°F WB.

corresponding to standard external static pressure.*

2.Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to environmental change.

Alliance

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