

OMEGA INVERTER TECHNOLOGY

Engineered to elevate efficiency and comfort
..... to the next level!

TEFS SERIES Floor Standing Air Conditioners 3D Inverter Heat Pump

Cooling Nominal: 36,000-60,000 Btuh (10.5-17.5 kW)
Heating Nominal: 40,000-60,000 Btuh (11.7-17.5 kW)



TEFS

Product Features

- ✓ Up to 19 SEER in Cooling Mode.
- ✓ Ideal for Small Commercial & Industrial Applications
- ✓ Auto Restart.
- ✓ Energy Saving Motion Sensor.
- ✓ Low Voltage Start Up.
- ✓ Automatic Defrosting.
- ✓ Factory Tested.
- ✓ Low Temperature Cooling Down to -18°C & High Temperature Cooling up to 48° C Ambient

Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ DC outdoor Fan Motor.
- ✓ Electronic Expansion Valve.
- ✓ Super Quiet Operation.
- ✓ High Efficiency Coils with Hydrophilic Fins.
- ✓ Corrosion Resisting Cabinet with Protective Coating.
- ✓ High & low Pressure Protection.
- ✓ Discharge Temperature Protection.
- ✓ Phase Loss & Overcurrent Protection.
- ✓ PFC & IPM Module Protection.
- ✓ Self-Diagnostics.

Indoor Unit Features

- ✓ Built in LCD Control with Panel Display(Standard).
- ✓ Wireless LCD Remote Control (Standard).
- ✓ Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- ✓ Sleep Mode.
- ✓ Automatic Up & Down and Left & Right Swing.
- ✓ Turbo Cooling Function with Multi-Speed DC Fan Control.
- ✓ Easy Maintenance and Cleanable Cartridge Filters.
- ✓ Easy Connect Flare Connections.
- ✓ Indicating Light Display
- ✓ Low Temperature Dry function.
- ✓ Central Control & Long Distance Monitoring Option.
- ✓ Anti-Freezing & Anti-High Temperature Protection.
- ✓ Sensor Malfunction Alarm.
- ✓ Communication Malfunction Alarm.



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

OMEGA INVERTER TECHNOLOGY

Engineered to elevate efficiency and comfort
..... to the next level!

INDOOR UNIT

MODEL NO.	TEFS	036P 0A-RBJ105	060P 0A-RBH175	
Cooling Capacity Btuh (kw)	Nominal	36,000 (10.5)	60,000 (17.5)	
	Minimum	10,920 (3.20)	21,666 (6.35)	
	Maximum	39,250 (11.5)	56,298 (16.5)	
Heating Capacity Btuh (kw)	Nominal	40,000 (11.7)	60,000 (17.6)	
	Minimum	9,890 (2.9)	19,782 (5.8)	
	Maximum	48,490 (14.5)	68,478 (20.0)	
Efficiency	SEER	Btuh/w (w/w)	19 (5.6)	17 (5.0)
Refrigerant Control		Electronic Expansion Valve @ Outdoor Unit		
Fan	Type	Centrifugal Fan		
	Speed	3	3	
	Air Flow CFM (m ³ /hr) - Hi	1059 (1800)	1059 (1800)	
	Noise Level (dbA) Hi/Lo	52 / 48	56 / 50	
	Motor (Watts)	170	170	
Coil Type:		Grooved Copper Tubes-Aluminum Hydrophilic Fin		
Air Filter		Cleanable Cartridge Type		
Electrical	Voltage-Phase-Frequency	220/240-1-N/A(3D)		
	Range	min 198 - max 264		
	FLA	0.64	0.90	
Controls		LCD Wireless Remote Control		
Refrigerant Connections inches (mm)		See Outdoor Unit Data		
Drain Connections inches (mm)		3/4 (20)		
Dimensions inches (mm)	Height	73 5/8 (1870)	73 5/8 (1870)	
	Width	22 7/8 (581)	22 7/8 (581)	
	Depth	15 1/2 (395)	15 1/2 (395)	
Net Weight Lbs (kgs)		123.6 (56)	130.1 (59)	

OUTDOOR UNIT

MODEL NO.	TCHE	036P 0A-RLJ105	060P 0A-RLH175	
Compressor Type		DC Inverter Rotary		
Outdoor Fan	No of Fans	1	2	
	Noise Level (dbA)	63	63	
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin		
Electrical	Voltage-Phase-Frequency	220/240-1-N/A(3D)		
	Range (min-max)	min 198 - max 264		
	Rated Amps (RLA)	19.0	21.0	
	Cooling Power. Input Nom. (W)	4150	4580	
	Min. Circuit Amps (MCA)	24.8	27.6	
	Max Fuse Amps (MOCP)	40	45	
Refrigerant R410 (oz./kgs.)		124 / 3.5	194 / 5.5	
Refrigerant Connections inches (mm)	Type	Flare		
	Liquid	3/8 (10)	3/8 (10)	
	Suction	5/8 (16)	3/4 (19)	
MAX Pipe Distance Ft.(m)	Height	49 (15)	98 (30)	
	Length	98 (30)	164 (50)	
Dimensions inches (mm)	Height	43 3/8 (1100)	53 3/4 (1365)	
	Width	43 3/8 (1107)	42 3/4 (1085)	
	Depth	17 3/8 (440)	16 3/4 (427)	
Net Weight		Lbs (kgs)	202.4 (92)	265 (121)

TEFS SERIES

Floor Standing Air Conditioners
3D Inverter Heat Pump

Cooling Nominal: 36,000-60,000 Btuh (10.5-17.5 kW)
Heating Nominal: 40,000-60,000 Btuh (11.7-17.5 kW)



36,000 btuh



60,000 btuh



Standard Wireless Controller

Notes:

- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting.
Cooling: 80/67 0 F (27/19° C) DB/WB indoor & 950 F (35° C) outdoor ambient temperature.
- Ratings are based on indoor and outdoor connected by 16ft (5m) of tubing.
- Refrigerant metering device is installed at the outdoor unit as standard.
- Flare fittings are provided for connecting indoor and outdoor units.
- Insulation of both liquid and suction line is required.
- Outdoor units are shipped with full operating charge.
- For details of model number nomenclature, please refer to publication OGMNM-0415.

OMEGA
ENVIRONMENTAL
TECHNOLOGIES LLC.
17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 795 2830
Fax: 714 966 1649
info@omegainverter.com
www.omegainverter.com



ISO 14001 ISO 9001

OTEC
AIR CONDITIONING
Showroom & Technology Center
11380 Interchange Circle North
Miramar, FL 33025, USA
Tel: 305 731 2140, 888 840 7550
Fax: 954 212 8280
info@otecus.com
www.otecus.com