

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.



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

Notes:
Design, specification and performance data is subject to change without notice
Certifications and emblems shown are applicable to selected models only. Please contact Omega for details.

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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 (m³/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		202.4 (92)	265 (121)

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36,000 btuh



60,000 btuh



Standard Wireless Controller

Notes:

1. 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.
2. Ratings are based on indoor and outdoor connected by 16ft (5m) of tubing.
3. Refrigerant metering device is installed at the outdoor unit as standard.
4. Flare fittings are provided for connecting indoor and outdoor units.
5. Insulation of both liquid and suction line is required.
6. Outdoor units are shipped with full operating charge.
7. For details of model number nomenclature, please refer to publication OMGNM-0415.

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