

# OMEGA INVERTER TECHNOLOGY

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

## TELP - TEMP SERIES

Slim Ducted Air conditioner

3D Inverter Heat Pump (50/60 Hz)

Cooling Nominal: 18,000-36,000 Btuh (5.3-10.5 kW)

Heating Nominal: 20,150-39,275 Btuh (5.9-11.5 kW)

### Product Features

- ✓ Up to 19 SEER in cooling mode.
- ✓ Ideal for Small Commercial & Hotel Guest Room Applications.
- ✓ Auto Restart.
- ✓ Electronic Expansion Valve.
- ✓ Low Voltage Start Up.
- ✓ Automatic Defrosting.
- ✓ Factory Tested.
- ✓ Low Temperature Cooling Down to -5° C & High Temperature Cooling up to 50° C ambient.

### Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ DC Outdoor Fan Motor.
- ✓ 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

- ✓ Wired Inverter Remote Control (Standard).
- ✓ 24V. Wall Thermostat (Optional).
- ✓ Fresh Air Intake.
- ✓ Wireless LCD Remote Control (Optional).
- ✓ Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- ✓ Sleep Mode.
- ✓ Turbo Cooling Function with Multi-Speed DC Fan Control.
- ✓ Built in Drain Pump.
- ✓ Easy Maintenance and Cleanable Cartridge Filters.
- ✓ Easy Connect Flare Connections.
- ✓ Low Temperature Dry Function.
- ✓ Anti-Freezing & Anti-High Temperature Protection.
- ✓ Sensor Malfunction Alarm.
- ✓ Communication Malfunction Alarm.
- ✓ Programmable 24 hours On/Off Timer.



OMEGA

DC INVERTER



O TEC  
AIR CONDITIONING

A Product of  
**OMEGA**  
Environmental  
Technologies LLC.

ISO 14001 ISO 9001



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## INDOOR UNIT

MODEL NO.	TELP / TEMP	TELP018 P0A-GCJ053	TELP024 P0A-GCJ070	TEMP036 P0A-GCI105
Cooling Capacity Btuh (kw)	Nominal	18,000 (5.3)	24,000(7.0)	36,000 (10.5)
	Minimum	7,854 (2.00)	11,950 (3.5)	22,540 (6.60)
	Maximum	19,125 (5.60)	27,325 (8.00)	43,715 (12.8)
Heating Capacity Btuh (kw)	Nominal	20,150 (5.90)	26,300 (7.70)	39,275 (11.5)
	Minimum	10,245 (3.00)	15,375 (4.50)	25,100 (7.35)
	Maximum	20,500 (6.00)	29,030 (8.50)	45,080 (13.2)
Efficiency	SEER   Btuh/w (w/w)	19 (5.5)	19 (5.5)	18 (5.1)
Refrigerant Control EXV		@Outdoor Unit		
Fan	Type	Centrifugal Fan with DC Motor		
	Speed / QTY	3 / 2	3 / 2	3 / 3
	Air Flow CFM (m³/hr) - Hi	470 (800)	620 (1050)	1060 (1800)
	Noise Level (dba) Lo/Hi	36 / 45	43 / 47	42 / 48
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin		
Air Filter		Cleanable Cartridge Type		
Electrical	Voltage-Phase-Frequency	220~240/1/N/A(3D)		
	Range (min-max)	198 ~ 264		
	FLA	0.30	0.30	1.02
Controls		Wired Remote Control		
Refrigerant Connections inches (mm)		See Outdoor Unit Data		
Drain Connections inches (mm)		1 (25.4)		
Body Dimensions inches (mm)	Height	8 1/4 (210)	8 1/4 (210)	10 1/4 (260)
	Width	47 3/4 (1214)	47 3/4 (1214)	56 1/8 (1425)
	Depth	18 3/8 (467)	18 3/8 (467)	25 3/8 (643)
Body Net Weight Lbs (kgs)		49.6 (22.5)	55.1 (25)	101.2 (46)

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18,000 btuh



24,000 btuh



Deluxe Wired Controller  
VAECD-G001  
(Standard)



36,000 btuh



Wireless Controller  
VAEWD-G001  
(Optional)



24V. Hotel Controller  
(Optional)

## OUTDOOR UNIT

MODEL NO.	TCHE	TCHE018 P0A-GGJ053	TCHE024 P0A-GMJ070	TCHE036 P0A-GGJ105
Compressor Type		DC Inverter Rotary		
Outdoor Fan	No of Fans	1	1	1
	Noise Level (dba)	52	54	55
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin		
Compressor	Rated Amps (RLA) - DC	7.1	8.7	5.05
	Power Input Nom. (W)	1005	2150	2575
Electrical	Voltage-Phase-Frequency	220~240/1/N/A(3D)		
	Range (min-max)	198 ~ 264		
	Min. Circuit Amps (MCA)	7.2	12.7	24.0
	Max Fuse Amps (MOCP)	15	15	30
Refrigerant R410 ( oz./kgs. )		63.4 / 1.8	84.4 / 2.4	134.5 / 3.8
Refrigerant Connections inches (mm)	Type	Flare		
	Liquid	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)
	Suction	1/2 (12.7)	5/8 (15.88)	5/8 (15.88)
MAX Pipe Distance Ft.(m)	Height	33 (10)	33 (10)	67 (20)
	Length	49 (15)	67 (20)	164 (50)
Dimensions inches (mm)	Height	27 5/8 (700)	33 1/8 (843)	37 5/8 (955)
	Width	36 1/2 (925)	37 3/4 (958)	41 3/8 (1050)
	Depth	14 3/8 (366)	15 1/2 (392)	13 5/8 (347)
Net Weight	Lbs (kgs)	99.1 (45)	129.8 (59)	176.1 (80)

### 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° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
- Ratings are based on indoor and outdoor connected by 16ft (5m) of tubing.
- Refrigerant metering device is installed as indicated above.
- Flare fittings are provided for connecting indoor and outdoor units.
- Insulation of both liquid and suction line is required for TCHE models.
- Outdoor units are shipped with full operating charge.
- For details of model number nomenclature, please refer to publication OGMNM-0417.

**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



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**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