

# OMEGA INVERTER TECHNOLOGY

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



TELP



TEMP



TEBP



TEHP

## TE(BP,LP,MP,HP) SERIES Ducted Air Conditioners 3D Inverter Heat Pump

Cooling Nominal: 18,000-60,000 Btuh (5.3-17.5 kW)  
Heating Nominal: 19,000-60,000 Btuh (5.6-17.5 kW)

### 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 -15° C & High Temperature Cooling up to 48° C ambient

### Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ Available 380~415V/3/50Hz in 60,000 Btuh Capacity.
- ✓ 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

- ✓ Wired Remote Control (Standard).
- ✓ Double Wired Remote Control (Optional).
- ✓ 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.
- ✓ Central Controller & Long Distance Monitoring Mption.
- ✓ Anti-Freezing & Anti-High Temperature Protection.
- ✓ Sensor Malfunction Alarm.
- ✓ Communication Malfunction Alarm.
- ✓ Programmable 24 hours On/Off Timer.



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

**ISO 14001 ISO 9001**

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INDOOR UNIT								
MODEL NO.	TE	BP018P 0A-RCI053	LP024P 0A-RCI070	MP036P 0A-RCJ105	MP048P 0A-RCI140	HP060P 0A-RCG175		
Cooling Capacity Btuh (kw)	Nominal	18,000 (5.3)	24,000(7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (17.5)		
	Minimum	5,459 (1.60)	7,506 (2.2)	10,920 (3.20)	20,472 (6.0)	21,666 (6.35)		
	Maximum	19,789 (5.80)	29,002 (8.50)	39,250 (11.5)	49,474 (14.8)	67,200 (19.7)		
Heating Capacity Btuh (kw)	Nominal	19,000 (5.60)	26,000 (7.6)	40,000 (11.7)	52,000 (15.2)	60,000 (17.6)		
	Minimum	4,776 (1.40)	8,188 (2.40)	9,890 (2.9)	17,742 (5.2)	19,782 (5.8)		
	Maximum	22,178 (6.50)	32,414 (9.50)	48,490 (14.5)	61,416 (18.0)	68,478 (20.0)		
Efficiency	SEER	Btuh/w (w/w)		18 (5.3)	18 (5.3)	19 (5.6)	18 (5.3)	17 (5.0)
Refrigerant Control		Electronic Expansion Valve @ Outdoor Unit						
Fan	Type	Centrifugal						
	Speed	4						
	Air Flow CFM (m³/hr) - Hi	588 (1000)	824 (1400)	1236 (2100)	1412 (2400)	2000 (3400)		
	Noise Level (dBa) Hi/Lo	39 / 28	46 / 40	52 / 44	53 / 45	56 / 49		
	Ext. Sta. Pressure(Max.) in(Pa)	0.60 (150)						
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 198 - max 264						
	FLA	0.32	0.5	1.04	1.13	1.59		
Controls	Wired Remote Control							
Refrigerant Connections inches (mm)	See Outdoor Unit Data							
Drain Connections inches (mm)	3/4 (20)							
Dimensions inches (mm)	Height	10 1/2 (266)	10 5/8 (268)	11 3/8 (290)	13 3/4 (350)	13 3/4 (350)		
	Width	40 7/8 (1037)	50 3/8 (1279)	48 1/4 (1226)	52 3/4 (1340)	52 3/4 (1340)		
	Depth	28 3/8 (721)	22 (558)	30 1/2 (775)	29 1/2 (750)	29 1/2 (750)		
Net Weight Lbs (kgs)	72.6 (33) 74.8 (34) 101.2 (46) 123.2 (56) 125.4 (57)							

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18,000 btuh



24,000 btuh



36,000 btuh



48,000 - 60,000 btuh



Standard Wired Controller



Optional Wireless Controller

OUTDOOR UNIT							
MODEL NO.	TCHE	018P 0A-RLI053	024P 0A-RLI070	036P 0A-RLJ105	048P 0A-RLI140	060P 0A-RLG175	060P 7A-RLG175
Compressor Type		DC Inverter Rotary					
Outdoor Fan	No of Fans	1	1	1	2	2	2
	Noise Level (dBa)	56	57	63	59	63	63
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin					
Compressor	Rated Amps (RLA)	7.2	11.5	19.0	21.0	21.0	24.0
	Power Input Nom. (W)	1440	2550	4150	4580	4580	4580
Electrical	Voltage-Phase-Frequency	220-240/1-N/A(3D)					
	Range (min-max)	198 - 264					
	Min. Circuit Amps (MCA)	9.4	15.0	24.8	27.6	27.6	10.6
	Max Fuse Amps (MOCP)	15	25	40	45	45	15
Refrigerant R410 ( oz./kgs. )	45 / 1.4		70 / 2.2	124 / 3.5	141 / 4.0	194 / 5.5	176 / 5.0
Refrigerant Connections inches (mm)	Type	Flare					
	Liquid	1/4 (7)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
	Suction	1/2 (12)	5/8 (16)	5/8 (16)	5/8 (16)	3/4 (19)	3/4 (19)
MAX Pipe Distance Ft.(m)	Height	49 (15)	49 (15)	49 (15)	98 (30)	98 (30)	98 (30)
	Length	66 (20)	98 (30)	98 (30)	164 (50)	164 (50)	164 (50)
Dimensions inches (mm)	Height	27 5/8 (700)	31 1/8 (790)	43 3/8 (1100)	53 1/8 (1349)	53 3/4 (1365)	53 3/4 (1365)
	Width	37 1/2 (955)	38 5/8 (980)	43 3/8 (1107)	37 3/4 (958)	42 3/4 (1085)	42 3/4 (1085)
	Depth	15 3/8 (396)	16 3/4 (427)	17 3/8 (440)	16 1/4 (412)	16 3/4 (427)	16 3/4 (427)
Net Weight	Lbs (kgs)	103.4 (47)	147.4 (67)	202.4 (92)	232 (105)	265 (121)	277 (126)

### 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 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-0515.

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ISO 14001 ISO 9001

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