



OMEGA INVERTER TECHNOLOGY

INVERTER
TECHNOLOGY
EXPERT

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



TE(LP-MP)

TELP(MP) SERIES

Ducted Fan Coil

R32 Inverter Heat Pump 50-60Hz

Cooling Nominal: 12,000~60,000 BTU/h (3.6~16.0 kW)

Heating Nominal: 13,650~62,000 BTU/h (4.0~18.2 kW)

Product Features

- ✓ WIFI Built-in
- ✓ Up to 21 SEER in Cooling Mode.
- ✓ Piping Distance up to 200 ft.
- ✓ Ideal for Small Commercial & industrial Applications
- ✓ Auto Restart.
- ✓ Heat Pump.
- ✓ Low-Voltage Start Up.
- ✓ Factory Tested.
- ✓ Low Temperature Cooling Down to -5° C & High Temperature Cooling up to 50° C ambient.

Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ Electronic Expansion Valve.
- ✓ Super Quiet Operation.
- ✓ High-Efficiency Coils with Gold Fins.
- ✓ Corrosion-Resistant 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).
- ✓ Wireless Remote Control (Optional).
- ✓ Slim Duct Type
- ✓ Matches Space Capacity and Noise Requirement
- ✓ Flexible Air Intake
- ✓ Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- ✓ Sleep Mode.
- ✓ Turbo Cooling Function with Multi-Speed Fan Control.
- ✓ Built-in Drain Pump (Optional).
- ✓ Easy Maintenance .
- ✓ Dual Drainage
- ✓ Low Temperature Dry Function.
- ✓ Anti-Freezing & Anti-High Temperature Protection.
- ✓ Sensor Malfunction Alarm.
- ✓ Communication Malfunction Alarm.
- ✓ Programmable 24 hours On/Off Timer.
- ✓ Under/Over Voltage protection.
- ✓ Reserved Fresh Air Interface



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001



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INDOOR UNITS - R32 FULL DC INVERTER HEAT PUMP

MODEL NO.	TELP(MP)	TELP112 JOT-LCL036	TELP118 JOT-LCL053	TELP124 JOT-LCL070	TEMP136 JOT-LCL105	TEMP148 JOT-LCL140	TEMP160 JOT-LCL160
Cooling Capacity BTU/h (kW)	Nominal	12,000 (3.6)	18,000 (5.3)	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
	Minimum	2,040 (0.6)	2,115 (0.6)	7,500 (2.2)	10,500 (3.1)	12,000 (3.5)	14,000 (4.1)
	Maximum	16,600 (4.9)	19,050 (5.6)	25,500 (7.5)	42,000 (12.3)	54,000 (15.8)	62,000 (18.2)
SEER		21	21	21	21	21	19
Heating Capacity BTU/h (kW)	Nominal	13,650 (4.0)	19,800 (5.8)	26,900 (7.9)	40,000 (11.7)	55,000 (16.1)	62,000 (18.2)
	Minimum	2,380 (0.7)	2,600 (0.6)	7,900 (2.3)	11,200 (3.3)	14,000 (4.1)	15,000 (4.4)
	Maximum	18,450 (5.4)	20,820 (6.1)	28,500 (8.4)	46,000 (13.5)	62,000 (18.2)	70,000 (20.5)
SCOP (Btu/W)		13.7	13.7	13.7	14.7	13.7	13.7
Energy Class		A++				A+	
Indoor Fan	Voltage-Phase-Frequency	220-240V / 1Ph / 50-60Hz					
	Air Flow CFM (m³/hr)	470 (800)	530 (900)	912 (1550)	1180 (2000)	1353 (2300)	1470 (2500)
	Noise Level - Hi/Lo (dBa)	53/45	53/45	58/46	62/54	63/55	63/56
	Full Load Amps (FLA)	0.6	0.6	1.3	1.1	1.2	1.9
Controls		Remote Controller (Std.) - Wired Controller (Opt.)					
Refrig. Conn. In. (mm) - Flare		See Outdoor Unit Data					
Drain Conn. In. (mm) NPT		1 (25)					
Body Dimensions inches (mm)	Height	8 1/4 (210)	8 1/4 (210)	10 1/2 (270)	10 1/2 (270)	9 7/8 (250)	9 7/8 (250)
	Width	36 1/4 (920)	36 1/4 (920)	36 1/4 (920)	45 (1140)	55 1/8 (1400)	55 1/8 (1400)
	Depth	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)	28 (710)	28 3/8 (720)	28 3/8 (720)
Net Weight Lbs (kgs)		61.7 (28)	61.7 (28)	68.3 (31)	90.4 (41)	94.8 (43)	94.8 (43)

TELP(MP) SERIES

Ducted Fan Coil

R32 Inverter Heat Pump 50-60Hz

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Heating Nominal: 13,650~62,000 BTU/h (4.0~18.2 kW)



12k~18k Btu/h



24k ~ 36k Btu/h



48k ~ 60k Btu/h

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 OMGNM-0221

OUTDOOR UNIT - R32 FULL DC INVERTER HEAT PUMP

MODEL NO.	TCHB	TCHB112 JOT-LSL036	TCHB118 JOT-LSL053	TCHB124 JOT-LSL070	TCHB136 JOT-LTL105	TCHB148 JOT-LTL140	TCHB160 JOT-LTL160
Compressor Type		Full DC Inverter Rotary					
Energy Class		A++					
Outdoor Fan	No. of Fans	1	1	1	1	1	1
	Noise Level - Hi (dba)	62	62	64	67	70	68
Coil Type:		Grooved Copper Tubes / Gold Fin					
Electrical	Voltage-Phase-Frequency	220-240V / 1Ph / 50-60Hz				380-418V / 3Ph / 50-60Hz	
	Range (min-max)	min:176 ~ max:265				min: 304 ~ max: 450	
	Comp. Pwr. Input Nom. (W)	1160	1680	2290	3300	4760	6060
	Min. Circuit Amps (MCA)	13.0	13.5	15.0	20.5	21.5	14.0
Refrigerant Charge R32 (oz. / kg.)	Max Fuse Amps (MOCP)	20	20	25	35	35	15
	Type	Flare					
Connections inches (mm)	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Suction	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.8)	5/8 (15.8)	5/8 (15.8)
Max Pipe Distance Ft.(m)	Height	47.5 (15)		80 (25)		95 (30)	
	Length	95 (30)		160 (50)		195 (60)	
Dimensions inches (mm)	Height	23 7/8 (605)	23 7/8 (605)	27 5/8 (700)	31 5/8 (804)	28 3/8 (720)	28 3/8 (720)
	Width	30 3/4 (780)	30 3/4 (780)	33 3/8 (845)	35 7/8 (910)	39 3/4 (1010)	39 3/4 (1010)
	Depth	12 1/8 (307)	12 1/8 (307)	13 1/2 (342)	14 7/8 (378)	17 1/4 (436)	17 1/4 (436)
Net Weight	Lbs (kgs)	72.6 (33)	72.6 (33)	96.8 (44)	121.3 (55)	169.8 (77)	182.9 (83)



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