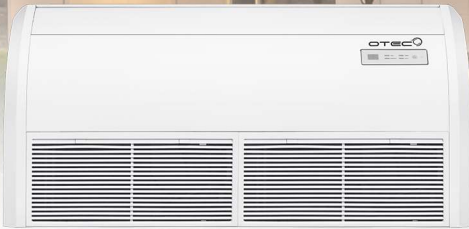




OMEGA INVERTER TECHNOLOGY

INVERTER
TECHNOLOGY
EXPERT

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



TEFC

TEFC SERIES

Floor-Ceiling

R32 Inverter Heat Pump 50-60Hz

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

Heating Nominal: 13,640~62,000 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

- ✓ WIFI Built-in
- ✓ Wireless Remote Control (Standard).
- ✓ Wired-Remote Control (Optional).
- ✓ Seven Gear Wind Speed
- ✓ Versatile Installation
- ✓ 104 Degree Wide Range Airflow
- ✓ Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- ✓ Sleep Mode.
- ✓ Turbo Cooling Function with Multi-Speed Fan Control.
- ✓ Dual Drainage
- ✓ 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.
- ✓ Under/Over Voltage protection.
- ✓ Built-in Surge protector.



OMEGA

DC INVERTER

O TEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001



OMEGA INVERTER TECHNOLOGY

INVERTER TECHNOLOGY EXPERT

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

INDOOR UNITS - R32 FULL DC INVERTER HEAT PUMP

MODEL NO.	TEFC	TEFC112 JOT-LWL036	TEFC118 JOT-LWL053	TEFC124 JOT-LWL070	TEFC136 JOT-LWL105	TEFC148 JOT-LWL140	TEFC160 JOT-LWL160
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 (0.62)	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)	52,000 (15.2)	57,000 (16.7)
SEER (W/W)		21.0	21.50	21.15	21.0	21.0	21.0
Heating Capacity BTU/h (kW)	Nominal	13,640 (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 (0.8)	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)	58,000 (17.0)	67,000 (19.6)
SCOP (W/W)		13.65	13.65	13.65	13.65	13.65	13.65
Energy Class		A++					
Electrical	Voltage-Phase-Frequency	220-240V / 1Ph / 50-60Hz					
	Air Flow CFM (m³/hr)	560 (950)	620 (1050)	795 (1350)	1180 (2000)	1355 (2300)	1355 (2300)
	Noise Level - Hi/Lo (dBa)	59/45	59/45	64/50	65/52	63/55	64/54
	Full Load Amps (FLA)	0.6	0.6	0.65	0.8	1.0	1.5
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	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)
	Width	41 1/2 (1055)	41 1/2 (1055)	41 1/2 (1055)	50 1/4 (1275)	64 3/8 (1635)	64 3/8 (1635)
	Depth	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)
Net Weight Lbs (kgs)		52.9 (24)	52.9 (24)	57.3 (26)	66.1 (30)	83.8 (38)	83.8 (38)

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 J77-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: 458	
	Comp. Pwr. Input Nom. (W)	1360	1660	2285	3210	3600	5410
	Min. Circuit Amps (MCA)	13.0	13.5	15.0	20.5	21.5	14.0
Max Fuse Amps (MOCP)	20	20	25	35	35	15	
Refrigerant Charge R32 (oz. / kg.)		33.51 / 0.95	33.51 / 0.95	47.62 / 1.35	74.08 / 2.10	67.02 / 1.90	91.71 / 2.60
Refrigerant Connections inches (mm)	Type	Flare					
	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)	33 3/4 (858)	33 3/4 (858)
	Width	30 3/4 (780)	30 3/4 (780)	33 1/4 (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)		66.1 (30)	66.1 (30)	88.2 (40)	121.3 (55)	169.8 (77)	182.9 (83)

TEFC SERIES

Floor-Ceiling

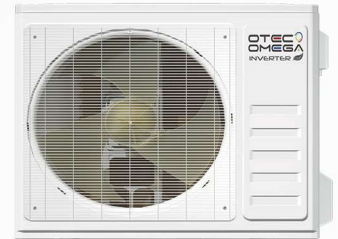
R32 Inverter Heat Pump 50-60Hz

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

Heating Nominal: 13,640~62,000 BTU/h (4.0~18.2 kW)



12k~18k Btuh



24k ~ 36k Btuh



48k ~ 60k Btuh

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



OMEGA
ENVIRONMENTAL
TECHNOLOGIES LLC.

17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 7952830
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@otecomega.com
wwwotecomega.com