

OMEGA INVERTER TECHNOLOGIES

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



TECM



TECS

TE(CM,CS,CL) SERIES Cassette 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)



TECL

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.
- ✓ 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

- ✓ Wireless LCD Remote Control (Standard).
- ✓ Double Wired Remote Control (Optional).
- ✓ Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- ✓ 4 Direction Airflow.
- ✓ Low Noise Design.
- ✓ Sleep Mode.
- ✓ Automatic Up & Down Swing.
- ✓ Turbo Cooling Function with Multi-Speed DC Fan Control.
- ✓ Built in Drain Pump.
- ✓ 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.



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

OMEGA INVERTER TECHNOLOGIES

Engineered to elevate efficiency and comfort to the next level!

INDOOR UNIT

MODEL NO.	TEC	M018P	S024P	S036P	L048P	L060P
		0A-RW1063	0A-RW1070	0A-RW1105	0A-RW1140	0A-RW1175
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)	8,188 (2.4)	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)	50,498 (14.8)	56,298 (16.5)
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	17 (5.0)	18 (5.3)	19 (5.6)	18 (5.3)	17 (5.0)
	Btuh/w (w/w)					
Refrigerant Control		Electronic Expansion Valve @ Outdoor Unit				
Fan	Type	Coaxial Turbo Fan				
	Speed	3	3	3	3	3
	Air Flow CFM (m³/hr) - Hi	447 (760)	765 (1300)	1095 (1860)	1354 (2300)	1412 (2400)
	Noise Level (dbA) Hi/Lo	46 / 37	46 / 38	49 / 43	52 / 41	53 / 41
	Motor (Watts)	40	65	110	150	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	0.18	0.29	0.5	0.68	0.68
Controls		LCD Wireless Remote Control				
Refrigerant Connections inches (mm)		See Outdoor Unit Data				
Drain Connections inches (mm)		1 (25)				
Body Dimensions inches (mm)	Height	9 3/4 (240)	9 3/4 (240)	12 5/8 (320)	11 3/8 (290)	11 3/8 (290)
	Width	23 3/8 (596)	33 1/8 (840)	33 1/8 (840)	35 7/8 (910)	35 7/8 (910)
	Depth	23 3/8 (596)	33 1/8 (840)	33 1/8 (840)	35 7/8 (910)	35 7/8 (910)
Body Net Weight Lbs (kgs)		44 (20)	57.2 (26)	68.2 (31)	94.6 (43)	94.6 (43)
Panel Dimensions inches (mm)	Height	2 (50)	2 3/8 (60)	2 3/8 (60)	2 1/2 (65)	2 1/2 (65)
	Width	26 3/8 (670)	37 3/8 (950)	37 3/8 (950)	41 (1040)	41 (1040)
	Depth	26 3/8 (670)	37 3/8 (950)	37 3/8 (950)	41 (1040)	41 (1040)
Panel Net Weight Lbs (kgs)		7.7 (3.5)	15.4 (7)	15.4 (7)	17.6 (8)	17.6 (8)

OUTDOOR UNIT

MODEL NO.	TCHE	018P	024P	036P	048P	060P
		0A-RL1063	0A-RL1070	0A-RL1105	0A-RL1140	0A-RL1175
Compressor Type		DC Inverter Rotary				
Outdoor Fan	No of Fans	1	1	1	2	2
	Noise Level (dbA)	56	57	63	59	63
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin				
Electrical	Voltage-Phase-Frequency	220/240-1-N/A(3D)				
	Range (min-max)	198 - 264				
	Running Amps (RLA)	7.2	11.5	19.0	21.0	21.0
	Cooling Pwr. Input Nom. (W)	1440	2550	4150	4580	4580
	Min. Circuit Amps (MCA)	9.4	15.0	24.8	27.6	27.6
	Max Fuse Amps (MOCP)	15	25	40	45	45
Refrigerant R410 (oz./kgs.)		45 / 1.4	70 / 2.2	124 / 3.5	141 / 4.0	194 / 5.5
Refrigerant Connections inches (mm)	Type	Flare				
	Liquid	1/4 (7)	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)
MAX Pipe Distance Ft.(m)	Height	49 (15)	49 (15)	49 (15)	98 (30)	98 (30)
	Length	66 (20)	98 (30)	98 (30)	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)
	Width	37 1/2 (955)	38 5/8 (980)	43 3/8 (1107)	37 3/4 (958)	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)
Net Weight Lbs (kgs)		103.4 (47)	147.4 (67)	202.4 (92)	232 (105)	265 (121)

TE(CM,CS,CL) SERIES Cassette 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)



18,000 btuh



24,000 btuh



36,000 btuh



48,000 - 60,000 btuh



Standard Wireless Controller



Optional Wired Controller

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 OGMN-1214.

OMEGA
ENVIRONMENTAL
TECHNOLOGIES LLC.

17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 796 2830
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@otecus.com
www.otecus.com