

TE (CM, CS) SERIES

Cassette Air Conditioners Inverter Heat Pump - 50~60Hz

Cooling Nominal: 12,000-60,000 BTU/h (3.5~16.0kW)

Heating Nominal: 14,000-60,000 BTU/h (4.0~17.0kW)

Long Piping Distance (100 ~ 240 ft)



Product Features

- Up to 19-SEER in cooling mode.
- Piping Distance up to 240 ft.
- 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 (Optional).
- Double Wired Remote Control (Optional).
- Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- Round-Flow Cassette.
- Side Outlet Air Connection Provision.
- 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 Controller & Long Distance Monitoring option.
- Anti-Freezing & Anti-High temperature Protection.
- Sensor Malfunction Alarm.
- Communication Malfunction Alarm.



Indoor Unit

MODEL NO.		TEC	M018P 0A-RWI053	S024P 0A-RWI070	S036P 0A-RWJ105	L048P 0A-RWI140	L060P 0A-RWG175	
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	Btuh/w (w/w)	17 (5.0)	18 (5.3)	19 (5.6)	18 (5.3)	17 (5.0)	
Refrigerant Control	Electronic Expansion Valve @ Outdoor Unit							
Fan	Type	Coaxial Turbo Fan						
	Speed	3						
	Air Flow CFM (m ³ /hr) - Hi	447 (760)						
	Noise Level (dba) Hi/Lo	46/ 37						
	Motor (Watts)	40						
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)		



12k, 18k BTU/h



24k BTU/h



36k BTU/h



42k, 48k, 60 BTU/h

Outdoor Unit

MODEL NO.		TCHE	018P 0A-RLI053	024P 0A-RLI070	036P 0A-RLJ105	048P 0A-RLI140	060P 0A-RLG175	
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)		
MAX Pipe Distance Ft.(m)	Suction	1/2 (12)	5/8(16)	5/8(16)	5/8(16)	3/4 (19)		
	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)		



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.
- Rating are based on indoor and outdoor connected by 16ft (5m) of tubing.. 3. Refrigerant metering device is installed at the indoor unit as standard. 4. Flare fittings are provided for connecting indoor an outdoor units. 5. Insulation of both liquid and suction line is required. 6. Outdoor units are shipped with full operating charge. 7. For details of model number nomenclature, please refer to publication OGMNM-0521.