



TEFC SERIES

Floor Ceiling Air Conditioners 3D Inverter Heat Pump

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 (100 ~ 240 ft)



12k - 18k BTU/h



24k - 42k BTU/h



48k - 60k BTU/h

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 with IW Standby.
- Automatic Defrosting.
- Factory Tested.
- Low Temperature Cooling Down to -15° C & High
- Temperature Cooling up to 48° C Ambient.
- R410A Refrigerant.

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.
- Centrifugal Multi Blowers.
- Automatic Up & Down and Left & Right Swing.
- Sleep Mode.
- Turbo Cooling Function with Multi-Speed DC Fan Control.
- 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.		TEFC	018P 0A-RWI053	024P 0A-RWI070	036P 0A-RWJ105	048P 0A-RWI140	060P 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)	27,978(2.4)	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)	18 (5.3)				
Refrigerant Control		Electronic Expansion Valve @ Outdoor Unit									
Fan	Type	Centrifugal Fan									
	Speed	3									
	Air Flow CFM (m ³ /hr) - Hi	588 (1000)		706(1200)		1118(1900)		1354 (2300)		1471 (2500)	
	Noise Level (dbA) Hi/Lo	42 / 32		48/40		53/46		55/46		56/46	
	Motor (Watts)	40		65		140		190		200	
Coil Type:		Grooved Copper Tubes - Aluminum Hydrophilic 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		0.64		0.86		0.90
Controls		LCD Wireless Remote Control									
Refrigerant Connections inches (mm)		See Outdoor Unit Data									
Drain Connections inches (mm)		3/4 (20)									
Dimensions inches (mm)	Height	8 7/8 (225)		8 7/8 (225)		9 5/8 (245)		9 5/8 (245)		9 5/8 (245)	
	Width	48 (1220)		48 (1220)		55 7/8 (1420)		66 7/8 (1700)		66 7/8 (1700)	
	Depth	27 1/2 (700)		27 1/2 (700)		27 1/2 (700)		27 1/2 (700)		27 1/2 (700)	
Panel Net Weight Lbs (kgs)		85.8 (39)		88.0 (40)		105.6 (48)		129.8 (59)		129.8 (59)	



12k, 18k BTU/h



24k BTU/h



36k 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		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)		
Dimensions inches (mm)	Length	66 (20)		98 (30)		98 (30)		164 (50)		164 (50)		
	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)		
Net Weight Lbs (kgs)	Depth	15 3/8 (396)		16 3/4 (427)		17 3/8 (440)		16 1/4 (412)		16 3/4 (427)		
		103.4 (47)		147.4 (67)		202.4 (92)		232 (105)		265 (121)		



42k, 48k, 60 BTU/h



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.