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TOSOT

Technology, Outstanding, Style, Originality & Trust

R32

Multi Ultra Heat

- Ultra Low-Ambient Heating Down to -30°C (-22°F)
- Support Up to 6 Indoor Units on A Single Outdoor System
- DC Inverter Twin Rotary Compressor
- High Efficiency Performance (Up to 21.0 SEER2 / 10.0 HSPF2)
- R32 Refrigerant Technology
- Optional Wi-Fi & 24V Backup Heater Integration



Advanced R32 Technology for True Multi-Zone Comfort.

SCAN QR CODE FOR MORE INFO



HEAT PUMP

Model		TMH18D32MO	TMH24D32MO	TMH30D32MO	TMH36D32MO	TMH42D32MO	TMH48D32MO	TMH60D32MO
SYSTEM PARAMETER (NON-DUCTED INDOOR UNITS)								
Cooling Capacity (@ 95°F)	Btu/h	18,000	24,000	28,400	36,000	42,000	48,000	55,000
Heating Capacity (@ 47°F)	Btu/h	18,000	24,000	30,000	36,000	42,000	48,000	55,000
Heating Capacity (@ 5°F)	Btu/h	13,800	21,600	27,000	36,000	37,800	37,800	36,400
SEER2 / EER2		21.0 / 12.0	21.0 / 13.3	21.0 / 13.6	21.0 / 12.0	21.0 / 13.0	21.0 / 12.0	21.0 / 11.7
HSPF2 (Region IV / V)		10.0 / 8.0	10.0 / 8.0	10.0 / 8.0	10.0 / 8.0	10.0 / 8.0	10.0 / 8.0	10.0 / 10.0
COP (@ 47°F / @ 5°F)		3.90 / 2.00	3.90 / 2.00	4.19 / 2.07	3.56 / 2.10	3.90 / 2.10	3.90 / 2.10	3.75 / 1.90
SYSTEM PARAMETER (DUCTED INDOOR UNITS)								
Cooling Capacity (@ 95°F)	Btu/h	18,000	24,000	28,400	36,000	42,000	48,000	55,000
Heating Capacity (@ 47°F)	Btu/h	18,000	24,000	30,000	36,000	42,000	48,000	55,000
Heating Capacity (@ 5°F)	Btu/h	13,600	21,600	26,000	33,000	36,000	36,000	31,000
SEER2 / EER2		18.0 / 11.7	18.0 / 12.0	18.0 / 12.0	18.0 / 11.7	18.0 / 12.0	18.0 / 11.7	19.0 / 11.7
HSPF2 (Region IV / V)		8.1 / 7.2	8.1 / 7.2	8.1 / 7.2	8.1 / 7.0	8.1 / 7.0	8.1 / 7.0	8.0 / 7.0
COP (@ 5°F)		1.86	1.86	1.88	1.90	1.90	1.90	2.30
SYSTEM PARAMETER (MIXED DUCTED & NON-DUCTED INDOOR UNITS)								
Cooling Capacity (@ 95°F)	Btu/h	18,000	24,000	28,400	36,000	42,000	48,000	55,000
Heating Capacity (@ 47°F)	Btu/h	18,000	24,000	30,000	36,000	42,000	48,000	55,000
Heating Capacity (@ 5°F)	Btu/h	13,700	21,600	26,400	34,000	37,000	37,000	32,000
SEER2 / EER2		19.0 / 11.8	19.0 / 12.2	19.0 / 12.2	19.0 / 11.8	19.0 / 12.2	19.0 / 11.8	20.0 / 11.8
HSPF2 (Region IV / V)		9.0 / 7.5	9.0 / 7.5	9.0 / 7.5	9.0 / 7.4	9.0 / 7.4	9.0 / 7.4	9.0 / 7.4
COP (@ 5°F)		1.80	1.80	1.81	1.84	1.84	1.84	2.20
OUTDOOR UNIT DATA								
Cooling Temperature Range	°F / °C	-22 ~ 118 / -30 ~ 48						
Heating Temperature Range	°F / °C	-22 ~ 75 / -30 ~ 24						
Refrigerant Type		R32						
Compressor Type		DC Inverter Twin Rotary						
Metering Device		Electronic Expansion Valve						
Sound Pressure Level	dB(A)	51	52	53	54	54		54
Dimensions (W x H x D)	in	32 23/64 x 21 21/32 x 13 55/64	37 61/64 x 25 63/64 x 15 53/64	40 5/32 x 32 33/64 x 16 52/64		40 5/32 x 32 33/64 x 16 52/64		38 55/64 x 49 49/64 x 16 11/64
Net Weight	lbs	79	113	146	174	174		225
Max Indoor Units		2	3	4	4	5		6
REFRIGERANT PIPING								
Refrigerant Pre-charged (R32)	oz	31.8	60.0	77.6	95.3	95.3		112.9
Line Set Size (Liquid - Gas) - Flared Connections	in	Line Set Sized by Indoor Unit Valve Size						
Pre-Charged Length	ft	33	99	131		164		197
Max Distance / Elevation	ft	66 / 49		82 / 82				
ELECTRICAL								
Power Supply		208 - 230V / 1Ph / 60Hz						
MCA / MOCP	A	14.5 / 20.0	19.5 / 25.0	23.0 / 30.0	30.0 / 35.0	30.0 / 35.0		37.5 / 40.0
Main Power Wire Size	AWG	Per Local Code						
Interconnecting Wire Size	AWG	14 / 2						











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