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TOSOT

Technology, Outstanding, Style, Originality & Trust

R32

Charmo 20

- Eco-Friendly R32 Refrigerant
- High Energy Efficiency – SEER2 up to 21.0
- Heating Operation Down to -13°F (-25°C)
- Built-In Wi-Fi Control
- Whisper-Quiet Operation – as low as 24 dB(A)
- Anti-Corrosion Fin Coating
- Multiple Comfort Modes & Fan Speeds



Efficient. Quiet. Built for All Climates.

SCAN QR CODE FOR MORE INFO



HEAT PUMP

Model		TWH09CD32AO	TWH12CD32AO	TWH18CD32AO	TWH24CD32AO	TWH30CD32AO	TWH36CD32AO
SYSTEM PARAMETER							
Cooling Temperature Range	°F / °C	0 ~ 118 / -18 ~ 48					
Heating Temperature Range	°F / °C	-13 ~ 75 / -25 ~ 24					
Refrigerant Type		R32					
Compressor Type		DC Inverter Rotary					
Metering Device		Capilliary				Electronic Expansion Valve	
Dimensions (W x H x D)	in	28 13/16 x 21 27/32 x 12 63/64		31 37/64 x 21 27/32 x 13 25/32	37 23/32 x 25 63/64 x 15 53/64	39 3/8 x 29 3/8 x 16 13/16	
Net Weight	lbs	53	56	71	94	117	123
Sound Pressure Level	dB(A)	47	48	54	54	54	54
All-match Compatible		No					
REFRIGERANT PIPING							
Refrigerant Pre-charged (R32)	oz	18.7	17.6	32.5	42.3	56.4	
Line Set Size (Liquid - Gas) - Flared Connections	in	Line Set Sized by Indoor Unit Valve Size					
Pre-Charged Length	ft	25					
Max Distance / Elevation	ft	66 / 40		131 / 82			
ELECTRICAL							
Power Supply		208 - 230V / 1Ph / 60Hz					
MCA / MOCP	A	10 / 15	12 / 15	13 / 15	15 / 20	27 / 30	23 / 35
Main Power Wire Size	AWG	Per Local Code					
Interconnecting Wire Size	AWG	14 / 4					



WALLMOUNT

Model		TWH09CD32AI	TWH12CD32AI	TWH18CD32AI	TWH24CD32AI	TWH30CD32AI	TWH36CD32AI
SYSTEM PARAMETER							
Cooling Capacity (@ 95°F)	Btu/h	9,100	12,000	18,000	24,000	30,000	33,600
Heating Capacity (@ 47°F)	Btu/h	10,000	12,000	17,000	22,400	30,000	34,000
Heating Capacity (@ 5°F)	Btu/h	7,600	9,100	12,100	15,700	23,000	24,600
SEER2 / EER2		20.5 / 12.5	19.0 / 9.75	20.0 / 11.95	19.0 / 11.9	22.0 / 11.0	21.0 / 11.0
HSPF2 (Region IV / V)		8.8 / 6.8	8.5 / 7.3	8.5 / 7.0	8.5 / 6.7	9.0 / 7.0	8.5 / 7.5
COP (@ 47°F / @ 5°F)		3.81 / 1.94	3.52 / 1.80	3.89 / 1.85	3.61 / 1.75	3.20 / 1.80	3.05 / 1.80
INDOOR UNIT DATA							
Air Flow (Min - Max)	CFM	159 - 353	182 - 424	282 - 618	412 - 677	441 - 794	
Sound Pressure Level (Min - Max)	dB(A)	24 - 41	27 - 47	34 - 53	36 - 51	36 - 53	
Dehumidification	pt/hr	1.69	2.96	3.80	5.28	7.40	
Dimensions (W x H x D)	in	32 7/8 x 10 53/64 x 7 7/8		37 1/8 x 13 7/64 x 9 11/16	42 7/16 x 13 7/64 x 9 11/16	42 7/16 x 13 7/64 x 9 11/16	
Net Weight	lbs	20		29	33	35	
REFRIGERANT PIPING							
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4" - 3/8"		1/4" - 1/2"		1/4" - 5/8"	
ELECTRICAL							
Power Supply		208 - 230V / 1Ph / 60Hz (Powered by the Outdoor Unit)					

R32 INVERTER AHRI CERTIFIED www.ahridirectory.org ETL Intertek ncep