

VRF Heat Recovery	MODEL: TVRF-SHC120K/220V	<b>TOSOT</b>
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Job Name: \_\_\_\_\_  
 Engineer Name: \_\_\_\_\_  
 System No: \_\_\_\_\_

Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Date: \_\_\_\_\_

**OUTDOOR VRF SYSTEM FEATURES**

- \* Emergency Function
- \* Emergency Operation Of Compressor
- \* Emergency Operation Of Fan
- \* Highly Anticorrosive Golden Fins
- \* Low Noise Of Outdoor Unit
- \* New Oil Return Control
- \* Compact Design
- \* Five-Way Piping Connection
- \* Five Efficient Operation Modes

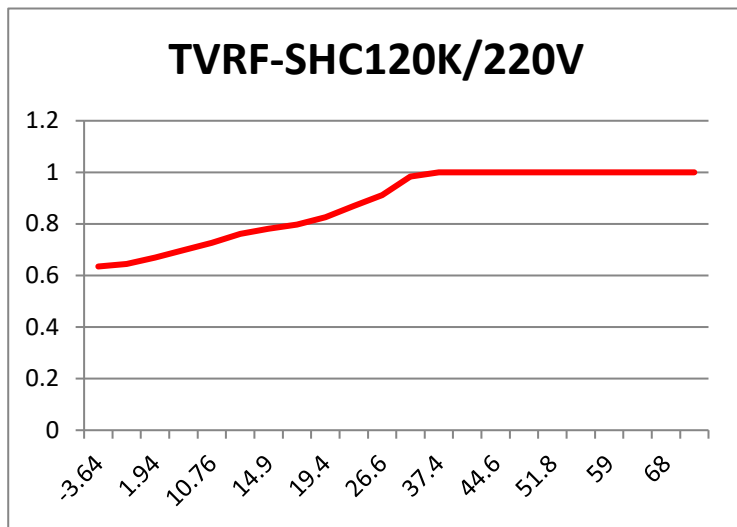


Specifications		Model Name
Unit Type		TVRF-SHC120K/220V
Nominal Cooling Capacity	Btu/h	120,000
Nominal Heating Capacity	Btu/h	135,000
External Dimensions WxHxD	In.	52-3/4 x 63-1/4 x 30-1/8
	mm	1340 x 1605 x 765
Net Weight	Lbs. / Kg	794/360
Electrical Power Requirements	Voltage, Phase, Hertz	208/230V, 3-phase, 60HZ
Cooling Power Input	KW	9.58
Heating Power Input	KW	10.42
Minimum Circuit Ampacity (MCA)	A	62
Maximum Circuit Breaker Size	A	80
Piping Diameter (Braze) (In./mm)	Low pressure Gas Pipe	1 1/8   28.6
	High Pressure Gas Pipe	3/4   19.05
	Liquid Pipe	1/2   12.7
Indoor Unit	Total Capacity	50 to 135% of Outdoor Unit Capacity
	Model/Quantity	
Maximum Number of Connected IDUs	units	20
Min. Capacity Range of Connected IDU	kBtu/h	60
Max. Capacity Range of Connected IDU	kBtu/h	162
Sound Pressure Level	dB(A)	63

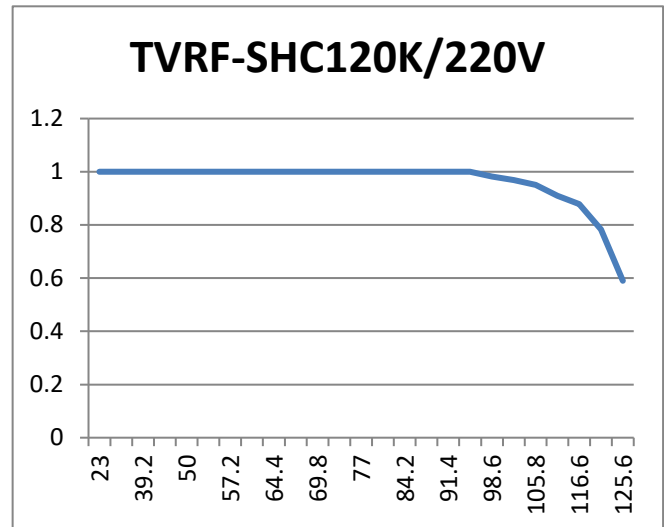
For continual product development, TOSOT reserves the right to change specifications without notice.

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<b>Fan</b>			
Type x Quantity		Propellerx2	
Airflow Rate	CFM	8240	
Direct-drive inverter Motor Output	W	750+750	
<b>Compressor</b>			
Compressor Operation Range		12%~100%	
Compressor Type x Quantity		Inverter scroll typex2	
Compressor Motor Output	kW	7.15+3.88	
Compressor Crankcase Heater		Yes	
Refrigerant		R410A	
Lubricant		FVC68D	
High-pressure Protection Device		High pressure sensor, High pressure switch	
Compressor / Fan Protection Device		Over-current protection, Over-heat protection	
Inverter Protection Device		Over-current protection, Over-heat protection, High/Low voltage protection	
EER		11	
COP		3.3	
IEER		19/21	

**Heating Performance F / %**



**Cooling Performance F / %**

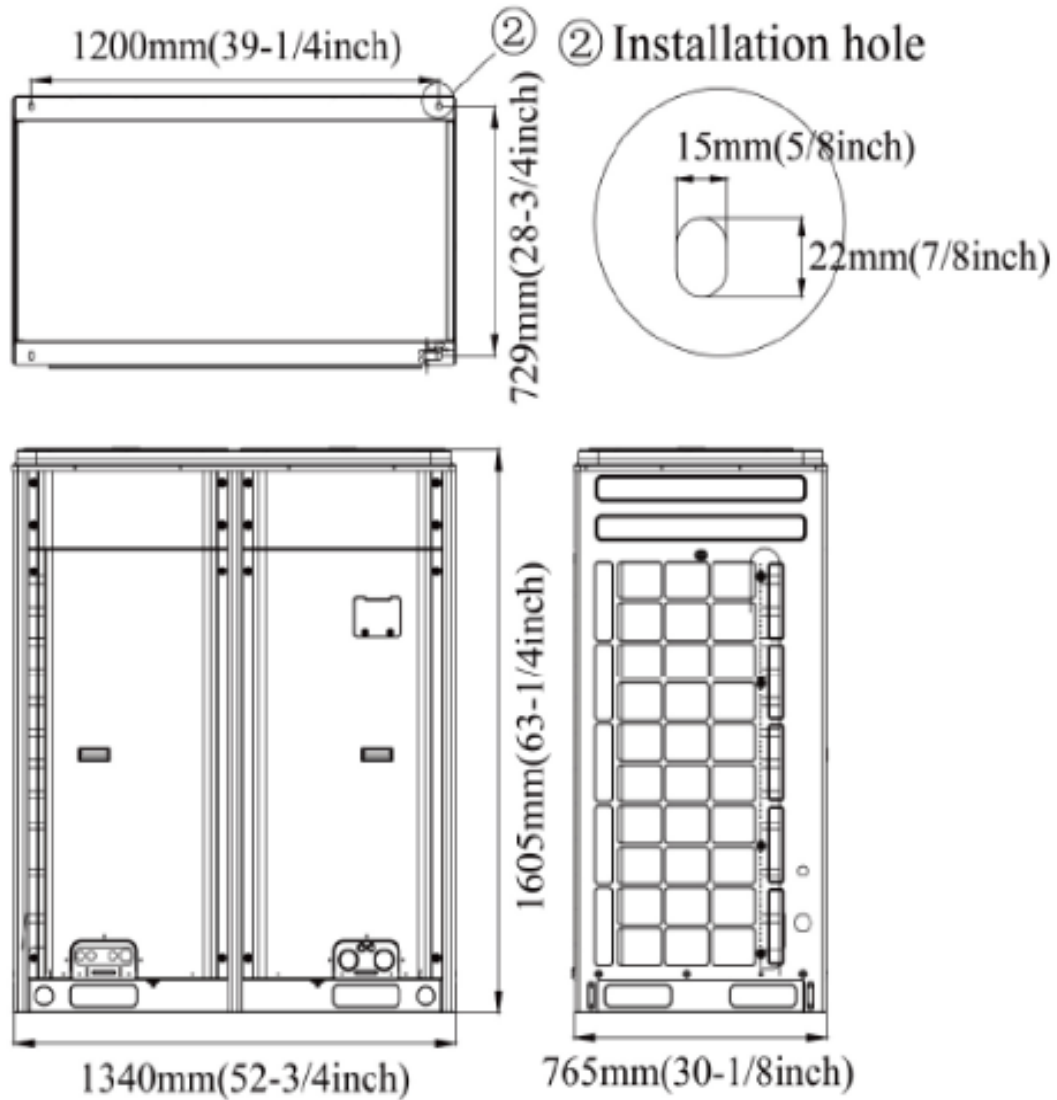


**Optional Controlling System**

- \* Wired Controller
- \* Centralized Controller
- \* Smart Zone Controller
- \* Long-Distance Monitoring Software
- \* Kit for Commissioning Software

**BMS Accessories**

- \* Communication Module (Modbus)
- \* BACnet Gateway
- \* Photoelectricity Insulation Converter

**Outline Dimension Diagram****TOSOT**

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