

Submittal Data: TVRF-SHC72K/220V 72,000 BTU/h VRF Condenser Heat Recovery

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
Unit Designation	Schedule No.	

- GENERAL FEATURES**
- Sensorless DC Inverter Fan Motor
 - Compact Design
 - Non-Polar CAN Technology for Improved Communication Efficiency
 - Increased Energy Savings through Higher Efficiency
 - Fast Start-up in Heating Mode
 - Patented 2 Stage Oil Separation Technology & Improved Oil Return Control Technology
 - Smaller Impact on Power Grid
 - Allows for Flexible Installation



Performance

US Ton	6	
Cooling		
Rated Capacity	69,000 BTU/h 20.2 kW	
Heating		
Rated Capacity	77,000 BTU/h 22.5 kW	
Capacity Modulation Range	10 ~ 100 %	
Operating Range		
Cooling (Min-Max)	23~122°F (-5~50°C)	
Heating (Min-Max)	-4~75°F (-20~24°C)	

Unit Data

Fan		
Type x Qty		Axial-flow x 2
Output Power		670+670 W
Airflow		
		6710 CFM 11400 m³/h
ESP		82 Pa
Compressor		
Type		Inverter Scroll
Sound Pressure Level		60 dB(A)
Indoor Units		
Max Qty		13
Total Capacity		50 - 135 %
Dimensions & Weights		
Unit Dimensions (WxHxD)		52.75x63.25x30.13-in
Weight		666 LBS

Electrical & Power Supply

Normal Operational Voltage	208/230 V, 3 Phase, 60 Hz	
MCA	32 A	
MOCP/Breaker Size	47 A	

Refrigerant and Piping

Refrigerant Type	R410A
High Pressure Gas Pipe Size (OD)	5/8-in
Low Pressure Gas Pipe Size (OD)	3/4-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Brazed
MAX Refrigerant Pipe Length	541-ft
MIN Refrigerant Pipe Length	10-ft

Branch Circuit Controller



TVRF-SHCBU1T1
1 to 1



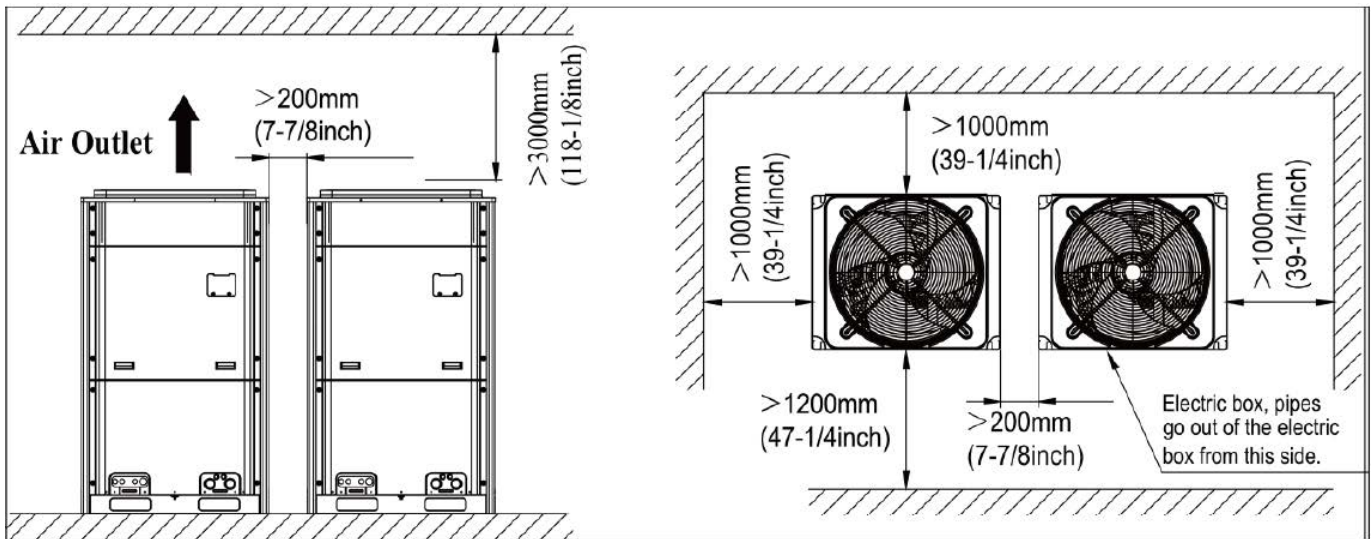
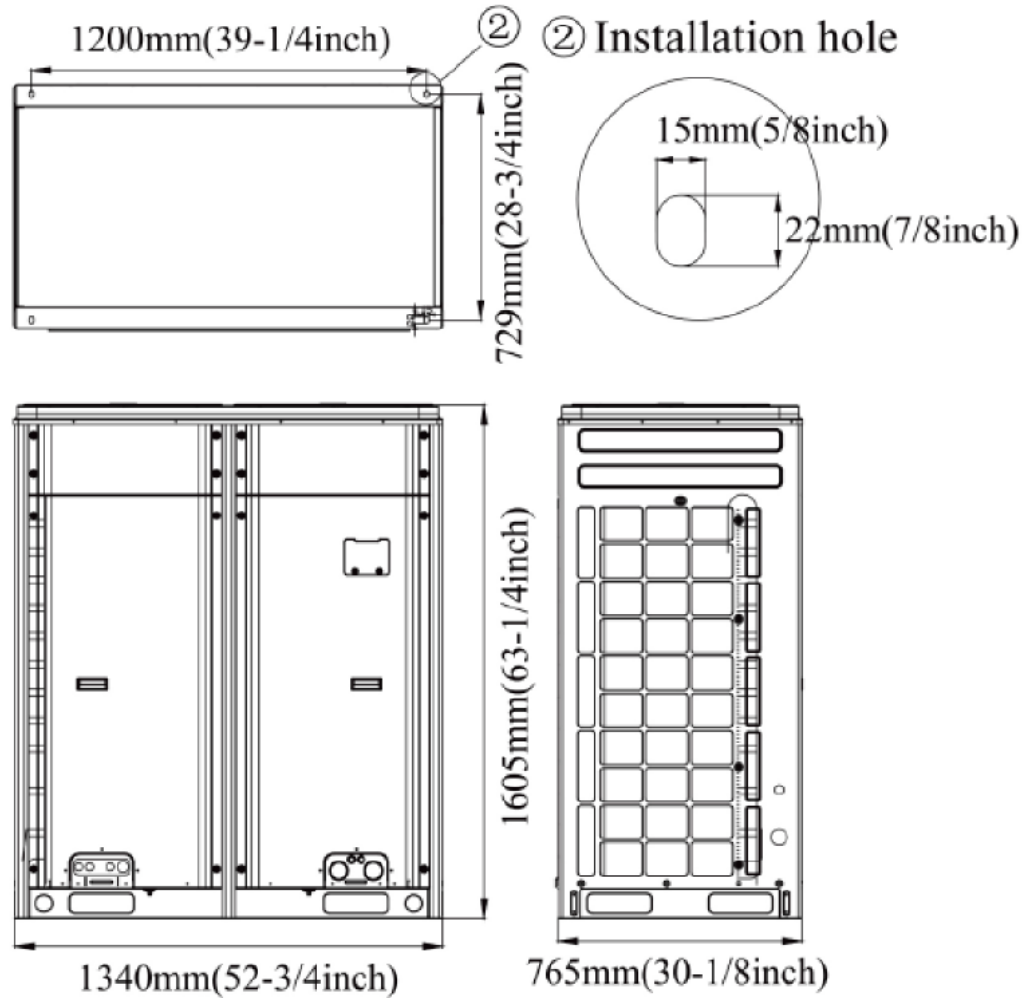
TVRF-SHCBU1T4
1 to 4



TVRF-SHCBU1T8
1 to 8

		WVRF-SHCBU1T1	WVRF-SHCBU1T4	WVRF-SHCBU1T8
Max IDU Branches	unit	1	4	8
Nbr. of connectable IDU for each branch	unit	8	8	8
Total connectable IDU	unit	8	32	64
Max. capacity of each branch	Btu	48,000	48,000	48,000
Max capacity of connectable IDU	Btu	48,000	153,000	222,000
Power Supply	V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Power Consumption	W	8	44	80
Maximum drive IDU	unit	1	4	8

DIMENSIONAL SPECIFICATIONS



Notes:

1. Recommended Interconnecting Cable Type Stranded Bare Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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