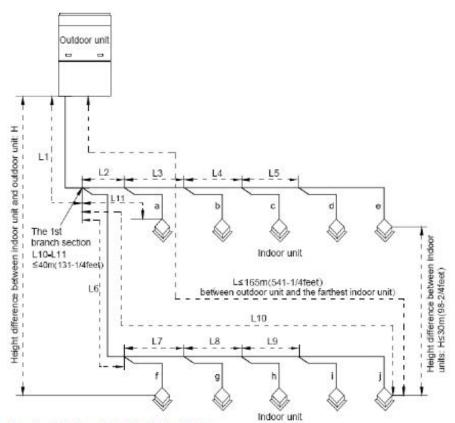


Submittal Data: TVRF	-OC72KHP/220V	72,	000 BTU/h VR	F Condenser Heat Pump
Job Name		Location	Date	
Purchaser		Engineer		
Submitted To		For 🗌 Reference	Approval	Construction
Unit Designation		Schedule No.		
GENERAL FEATURES				
-Sensorless DC Inverter Fan Moto	r		TOSC	TT
-Compact Design				-
-Non-Polar CAN Technology for In	proved Communication			
Efficiency				
-Increased Energy Savings through	n Higher Efficiency			
-Fast Start-up in Heating Mode				
-Patented 2 Stage Oil Separation T Return Control Technology			-	
-Smaller Impact on Power Grid			Unit Data	
-Allows for Flexible Installation		-	Ont Bat	и
Perform	ance	Fan		Drepeller v 1
		Type x Qty Output Power		Propeller x 1 750 W
US Ton	6	Airflow		
Cooling		Annow		6709 CFM 11400 m³/h
Rated Capacity	69,000 BTU/h	ESP		82 Pa
	20.2 kW			02 Fd
EER	13.65	Compressor Type x Qty		Inverter Scroll x 1
Heating		Sound Pressure Lev	el	61 dB(A)
Rated Capacity	77,000 BTU/h 22.5 kW	Indoor Units		
COP	14.72	Max Qty		16
	17.72	Total Capacity		50 - 135 %
Capacity Modulation Range	10 ~ 100 %	Dimensions & Weig		
Operating Range		Unit Dimensions (W	,	36.61×63.19×30.12-in
		Weight (Net/Gross)		496/518 LBS
Cooling (Min-Max)	23~126°F (-5~52°C)			
Heating (Min-Max)	-4~75° F (-20~24°C)	R	efrigerant and P	liping
		Refrigerant Type		R410A
Electrical & Po	wer Supply	Refrigerant Charge		236.3 oz
		Gas Pipe Size (OD)		7/8-in
Normal Operational Voltage	208/230 V, 3 Phase, 60 Hz	Liquid Pipe Size (OD)		3/8-in
		Oil Pipe Size (OD)		3/8-in
MCA	30 A	Connection Method	Longth	Flared
MOCD/Drooker Size		MAX Refrigerant Pipe MIN Refrigerant Pipe	•	541-ft 10-ft
MOCP/Breaker Size	60 A	and the gorant inper		10-11
INVERTER	RATIOA	ALR CERTI	FIED m	



L10: Length from the first branch to the farthest IDU; L11: Length from the first branch to the nearest IDU; Equivalent length of branch of IDU is 0.5m.

R410A Refrigerant System Total length (actual length) of fitting pipe		Allowable Value m(feet)	Fitting Pipe L1+L2+L3+L4++L9+a+b++i+j	
		1000(3280-3/4)		
Length of farthest	Actual length	165(541-1/4)	L1+L6+L7+L8+L9+j	
fitting pipe m(feet)	Equivalent length	190(623-1/4)		
Difference between the pipe length from the first branch of IDU to the farthest IDU and the pipe length from the first branch of IDU to the nearest IDU		40(131-1/4)	L10-L11	
Equivalent length from the first branch to the furthest piping (1)		40(131-1/4)	L6+L7+L8+L9+j	
Height difference between outdoor unit and indoor unit	Outdoor unit at upper	50(164)	1 <u></u> 1	
	Outdoor unit at lower	90(295-1/4)	3 	
Height difference between indoor units		30(98-2/4)	<u>. </u>	
Maximum length of Main pipe(2)		90(295-1/4)	L1	
From IDU to its nearest branch (3)		10(32-3/4)	a,b,c,d,e,f,g,h,i,j	

Notices:

(1) Normally, the pipe length from the first branch of IDU to the farthest IDU is 40m(131-1/4feet). Under the following conditions, the length can reach 90m(295-1/4feet).

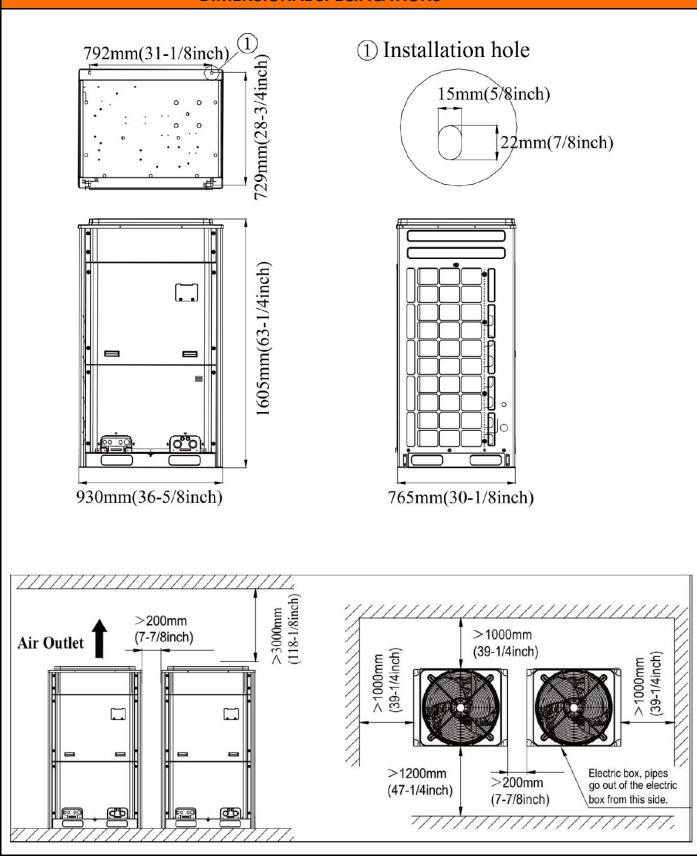
1) Actual length of pipe in total: L1+L2x2+L3x2+L4x2+...+L9x2+a+b+...+i+j≤1000m(3280- 3/4feet).

Length between each IDU and its nearest branch a, b, c, d, e, f, g, h, i, j≤40m(131-1/4feet).

 Difference between the pipe length from the first branch of IDU to the farthest IDU and the pipe length from the first branch of IDU to the nearest IDU: L10-L11≤40m(131-1/4feet).

(2) When the maximum length of the main pipe from ODU to the first branch of IDU is≥90m(295- 1/4feet), then adjust the pipe size of the gas pipe and liquid pipe of main pipe according to the following table.

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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