

208~230V Heat Recovery

Model:
TVRF-SHC168K/220V



Specifications	Unit	Parameter
Model	—	TVRF-SHC168K/220V
Performance		
Rated Cooling Capacity (*1)	kBtu/h	168
Rated Heating Capacity (*2)	kBtu/h	189
Power Input	Cooling(kw)	14.52
	Heating(kw)	16.43
Sound Pressure Level	dB(A)	65
Operating Temperature Range	Cooling (Outdoor) °C/°F	-5~52/23~125.6
	Heating (Outdoor) °C/°F	-20~24/-4~75
AHRI Ratings(Ducted/Non-Ducted)		
EER	W/W	10.6/10.6
IEER	—	18/20
COP	W/W	2.05~3.2/2.05~3.4
Electrical Data		
Power Supply	V/Ph/Hz	208/230/3/60
Maximum Overcurrent Protection (MOP)	A	70
Minimum Circuit Amps (MCA)	A	57
Fan		
Type x Quantity	—	Axial-flow×2
Air Flow Volume	CFM	9417
Fan Motor Power Output	W	750+750
Max.External Static Pressure (ESP)	Pa/In.W.G	82/0.33
Compressor		
Compressor Type x Quantity	—	Inverter Scroll×2
Compressor Refrigerant Oil Type	—	FVC68D or FV-68H
Compressor Refrigerant Oil Charge Volume	L/Gal	7.2/1.9
Refrigerant Piping		
Connection Pipe	High Pressure Gas(mm/inch)	Φ22.2/Φ7/8
	Low Pressure Gas(mm/inch)	Φ28.6/Φ1-1/8
	Liquid(mm/inch)	Φ15.9/Φ5/8
Max. Equivalent Connection Pipe Length (ODU to IDU)	m/ft	165/541
Refrigerant Charge	kg/oz	11.7/412.7
Refrigerant	—	R410A
Dimension/Weight		
Dimensions (H×W×D)	mm/inch	1740×1340×765 (68-1/2×52-3/4×30-1/8)
Net Weight	kg/lbs	395/871
Other		
Indoor Unit	Total Capacity (%)	50%~135%
	Max Connectable Quantity	29
Certification	—	ETL/AHRI
Condenser Fin Color	—	Gold
Protection Devices	High Pressure	High pressure sensor, High pressure switch 601 psi (4.15 MPa)
	Inverter Circuit	Over-heat protection, Over-current protection
	Compressor	Discharge temp protection, Over-current protection

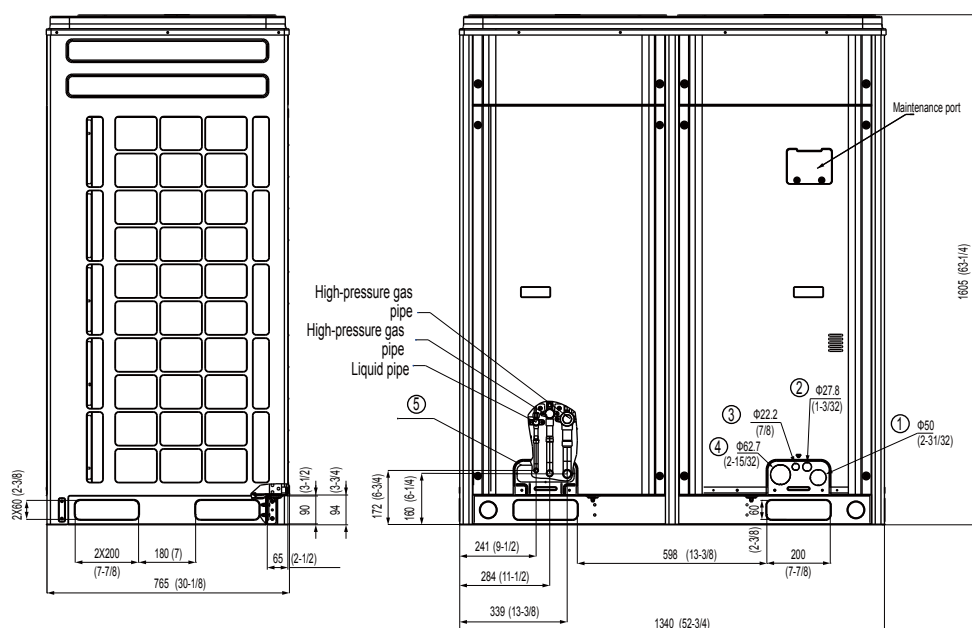
*1 Cooling | Indoor: 80°F (26.7°C) DB / 67°F (19°C) WB; Outdoor: 95°F (35°C) DB

*2 Heating | Indoor: 70°F (21.1°C) DB / Outdoor: 47°F (8.3°C) DB / 43°F (6°C) WB

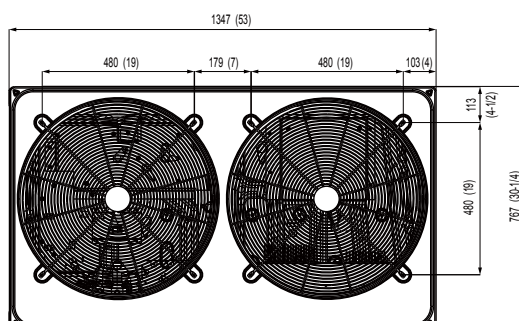
Job Name:		Date:	
System Reference No.:			
Engineer Signature:			

Specifications subject to change without prior notice.

Technical drawing of the 1000 Series Drainage Panel. The top view shows a rectangular panel with overall dimensions of 1200 (47-114) by 729 (28-314). The front view shows a panel with a height of 630 (24-314) and a width of 729 (28-314). The panel features a central drainage channel with a width of 15 (5/8) and a height of 22 (7/8). The panel is labeled "A" and "2:1".



No.	Usage	Size mm(in.)
①	Wire	Φ 50(2-31/32)
②		Φ 27.8(1-3/32)
③		Φ 22.2(7/8)
④		Φ 62.7(2-15/32)
⑤	Pipe	180X53(7X2)



Unit:mm(in.)