

208~230V Heat Recovery

Model:
TVRF-SHC144K/220V



Specifications	Unit	Parameter
Model	—	TVRF-SHC144K/220V
Performance		
Rated Cooling Capacity (*1)	kBtu/h	144
Rated Heating Capacity (*2)	kBtu/h	162
Power Input	Cooling(kw)	12.93
	Heating(kw)	12.8
Sound Pressure Level	dB(A)	64
Operating TemperatureRange	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	—	19/22
COP	W/W	2.05~3.2/2.2~3.55
Electrical Data		
Power Supply	V/Ph/Hz	208/230/3/60
Maximum Overcurrent Protection (MOP)	A	70
Minimum Circuit Amps (MCA)	A	55
Fan		
Type x Quantity	—	Axial-flow×2
Air Flow Volume	CFM	8240
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)	Φ12.7/Φ1/2
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	1605×1340×765 (63-1/4×52-3/4×30-1/8)
Net Weight	kg/lbs	370/816
Other		
Indoor Unit	Total Capacity (%)	50%~135%
	Max Connectable Quantity	23
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

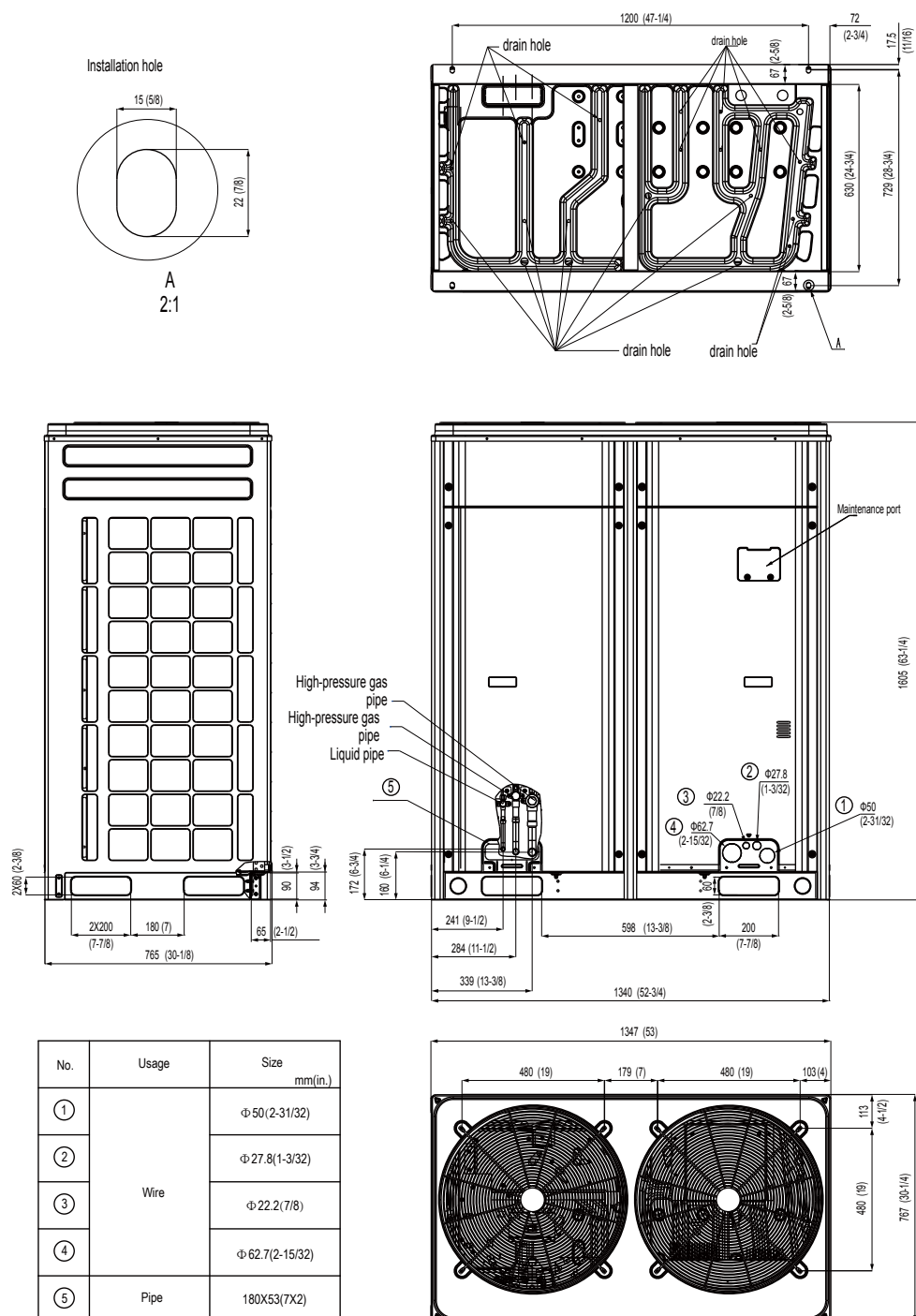
*1 Cooling | Indoor: 80°F (26.7°C) DB / 67°F (19°C) WB; Outdoor: 95°F (35°C) DB

*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.

Outline and Physical Dimensions of TVRF-SHC144K/220V.



Unit:mm(in.)