

208~230V Modular Heat Pump

Model:
TVRF-OC144KHP/220V



Specifications	Unit	Parameter
Model	—	TVRF-OC144KHP/220V
Performance		
Rated Cooling Capacity(*1)	kBtu/h	144
Rated Heating Capacity(*2)	kBtu/h	162
Power Input	Cooling(kw)	12
	Heating(kw)	12.5
Sound Pressure Level	dB(A)	64
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	—	21.6/21.6
COP	W/W	2.2~3.3/2.3~3.7
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
Max.External Static Pressure (ESP)	Pa/In.W.G	82/0.33
Compressor		
Compressor Type x Quantity	—	Inverter Scroll×2
Compressor Rated Load Amps (RLA)	A	21.0+21.0
Compressor Refrigerant Oil Type	—	FVC68D or FV-68H
Compressor Refrigerant Oil Charge Volume	L/Gal	7.2/1.9
Refrigerant Piping		
Connection Pipe	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 (63-3/16×52-3/4×30-1/8)
Net Weight	kg/lbs	360/794
Other		
Indoor Unit	Total Capacity(%)	50%~135% of outdoor unit
	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

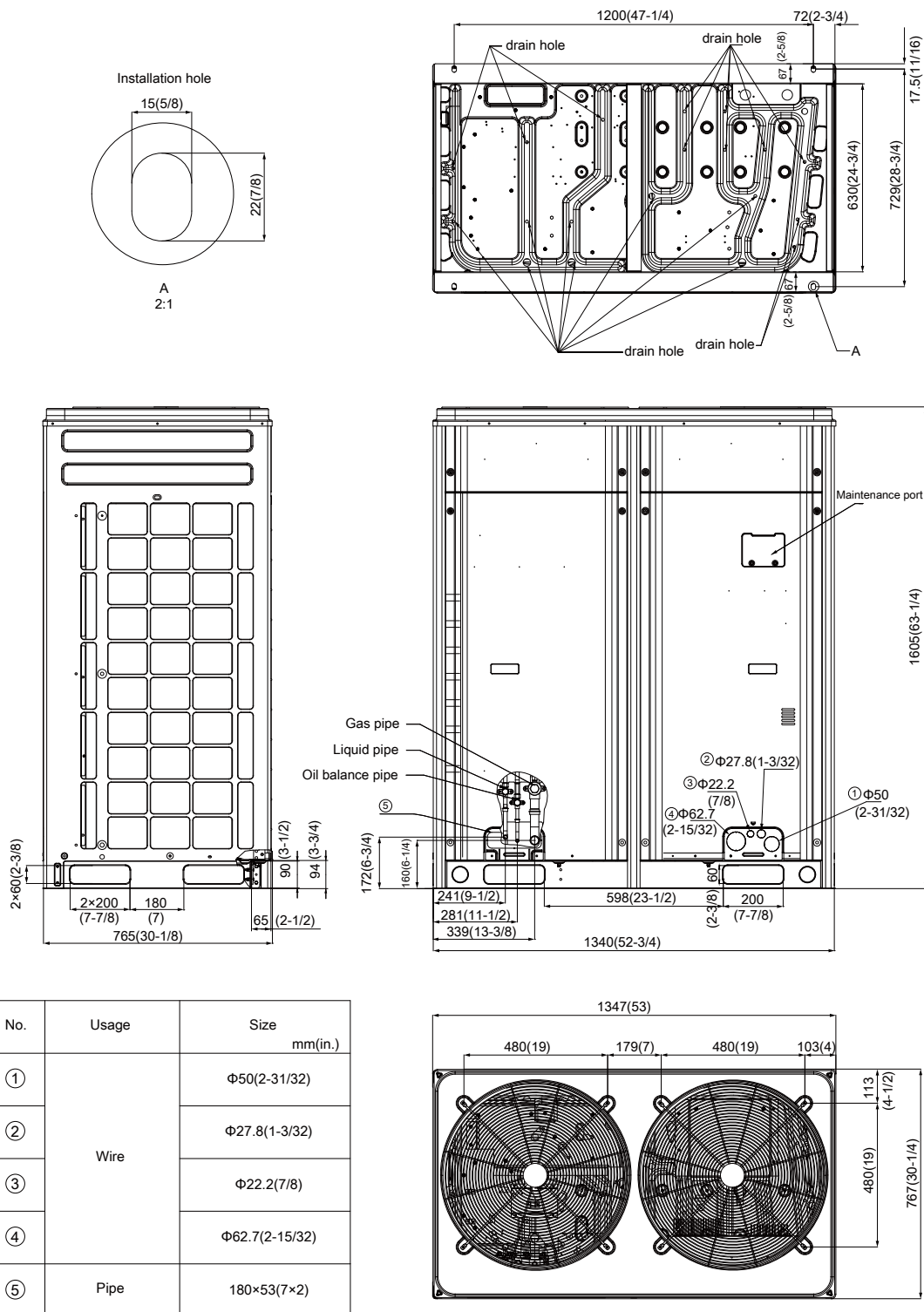
*1 Cooling | Indoor: 80°F(26.7°C)DB / 67°F(19°C)WB; Outdoor: 95°F(35°C)DB

*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-OC144KHP/220V.



Unit:mm(in.)