

## 208~230V Heat Recovery

**Model:**  
**TVRF-SHC120K/220V**



| Specifications                                        | Unit                       | Parameter                                                     |
|-------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| Model                                                 | —                          | TVRF-SHC120K/220V                                             |
| <b>Performance</b>                                    |                            |                                                               |
| Rated Cooling Capacity ( *1 )                         | kBtu/h                     | 120                                                           |
| Rated Heating Capacity ( *2 )                         | kBtu/h                     | 135                                                           |
| Power Input                                           | Cooling(kw)                | 9.58                                                          |
|                                                       | Heating(kw)                | 10.42                                                         |
| Sound Pressure Level                                  | dB(A)                      | 63                                                            |
| Operating TemperatureRange                            | Cooling ( Outdoor ) °C/°F  | -5~52/23~125.6                                                |
|                                                       | Heating ( Outdoor ) °C/°F  | -20~24/-4~75                                                  |
| <b>AHRI Ratings(Ducted/Non-Ducted)</b>                |                            |                                                               |
| EER                                                   | W/W                        | 11/11.5                                                       |
| IEER                                                  | —                          | 22.8/22                                                       |
| COP                                                   | W/W                        | 2.25~3.3/2.25~3.5                                             |
| <b>Electrical Data</b>                                |                            |                                                               |
| Power Supply                                          | V/Ph/Hz                    | 208/230/3/60                                                  |
| Maximum Overcurrent Protection (MOP)                  | A                          | 60                                                            |
| Minimum Circuit Amps (MCA)                            | A                          | 50                                                            |
| <b>Fan</b>                                            |                            |                                                               |
| 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                                                       |
| <b>Compressor</b>                                     |                            |                                                               |
| Compressor Type x Quantity                            | —                          | Inverter Scroll×2                                             |
| Compressor Refrigerant Oil Type                       | —                          | FVC68D or FV-68H                                              |
| Compressor Refrigerant Oil Charge Volume              | L/Gal                      | 6.6/1.74                                                      |
| <b>Refrigerant Piping</b>                             |                            |                                                               |
| 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                                                         |
| <b>Dimension/Weight</b>                               |                            |                                                               |
| Dimensions (H×W×D)                                    | mm/inch                    | 1605×1340×765<br>(63-1/4×52-3/4×30-1/8)                       |
| Net Weight                                            | kg/lbs                     | 360/794                                                       |
| <b>Other</b>                                          |                            |                                                               |
| Indoor Unit                                           | Total Capacity ( % )       | 50%~135%                                                      |
|                                                       | Max Connectable Quantity   | 19                                                            |
| 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            |

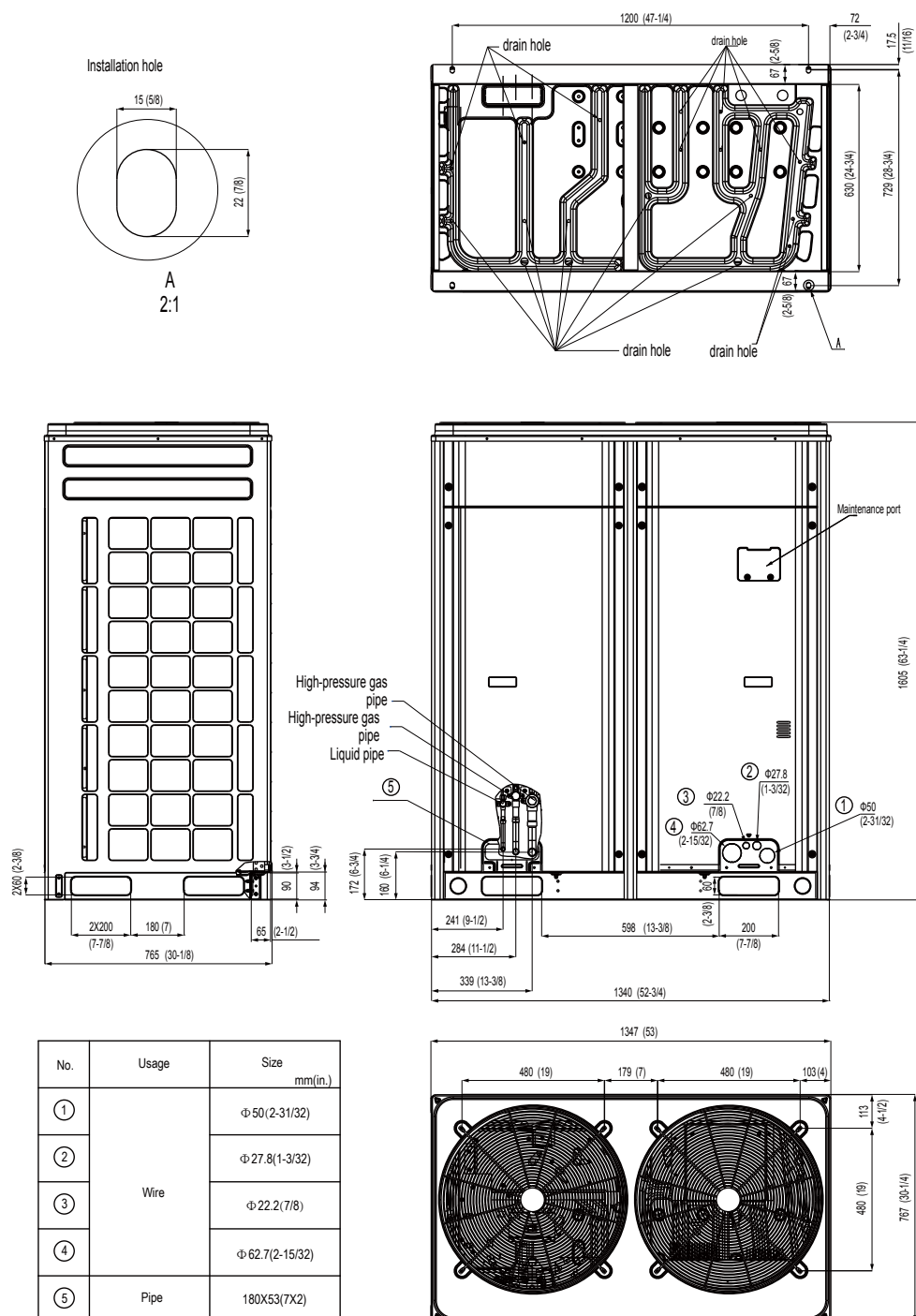
\*1 Cooling | Indoor: 80°F ( 26.7°C ) DB / 67°F ( 19°C ) WB; Outdoor: 95°F ( 35°C ) DB

\*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-SHC120K/220V.



Unit:mm(in.)