

# VRF T3 modular outdoor unit



|                  |                             |
|------------------|-----------------------------|
| Series           | VRF T3 modular outdoor unit |
| Model            | WSTBY-J610-DT1ZB-I          |
| QCC Registration | Performace                  |
| Capacity         | 13.1 TON / 46 KWH           |
| Region           | UAE                         |

## Features



High EER And COP



180° Sine Wave Control



High efficiency DC fan motor

# VRF T3 modular outdoor unit

|              |                                |
|--------------|--------------------------------|
| Power Supply | 380~415V,3N,50/60Hz (V~,Hz,Ph) |
|--------------|--------------------------------|

## Capacity

|             |            |                |
|-------------|------------|----------------|
| Cooling(T1) |            |                |
| 62 (kW)     | 17,71 (TR) | 212000 (Btu/h) |
| Cooling(T3) |            |                |
| 47,50 (kW)  | 13,57 (TR) | 162000 (Btu/h) |
| Heating     |            |                |
| 62 (kW)     | 17,71 (TR) | 212000 (Btu/h) |

## Electric Data

|                               |            |
|-------------------------------|------------|
| Rated Cooling Power Input(T1) | 17,71 (kW) |
| Rated Cooling Current(T1)     | 27,95 (A)  |
| Rated Cooling Power Input(T3) | 16,96 (kW) |
| Rated Cooling Current(T3)     | 26,77 (A)  |
| Rated Heating Power Input(T1) | 15,12 (kW) |
| Rated Heating Current(T1)     | 23,86 (A)  |

## Outdoor Fan

|              |         |
|--------------|---------|
| Material     | Plastic |
| Type         | Axial   |
| Fan Quantity | 2       |

## Performance

|                            |                |
|----------------------------|----------------|
| EER (T1)                   |                |
| 3,5 (W/W)                  | 12 Btu/(h*W)   |
| EER (T3)                   |                |
| 2,8 (W/W)                  | 9,55 Btu/(h*W) |
| COP (T1)                   | 4,1 (W/W)      |
| CSPF (T1)                  | 14 Btu/(h*W)   |
| Max. Input Consumption     | 31900 (W)      |
| MCA /Max. Current          | 51 (A)         |
| MFA/select Circuit breaker | 63 (A)         |

## Outdoor fan motor

|                             |             |
|-----------------------------|-------------|
| Model                       | DW1000A-ZL  |
| Type                        | DC Inv      |
| Brand                       | SHANGQI     |
| Insulation Class            | B           |
| Safe Class                  | IP54        |
| Output Power x Fan quantity | 1000×2 (W)  |
| Speed                       | 930 (r/min) |

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Compressor

|                                      |                           |
|--------------------------------------|---------------------------|
| Model                                | AA55PHDG-D1Y2             |
| Number                               | 2                         |
| Type                                 | DC inv                    |
| Brand                                | Hitachi                   |
| RPM                                  | 15~140 (rps)              |
| Capacity                             | 26630 (W)                 |
| Input                                | 8700 (W)                  |
| Power Supply                         | 380~415,50/60,3 (Ph-V-Hz) |
| Operating Frequency                  | 45~420 (Hz)               |
| Crankcase                            | 40~80 (W)                 |
| Compressor refrigerant Oil           | 1100(FV68H) (ml)          |
| Additional refrigerant oil （factory） | 5500 (ml)                 |

Indoor Coil

|                               |                          |
|-------------------------------|--------------------------|
| Number Of Row                 | 2                        |
| Tube Pitch(a)x Row Pitch(b)   | 22×19.05 (mm)            |
| Fin Pitch                     | 1,5 (mm)                 |
| Fin Material                  | Hydrophilic aluminum fin |
| Tube Outside Dia.And Material | φ7， Inner grooved (mm)   |
| Coil Length x Height x Width  | 1802×1320×38.1 (mm)      |
| Number of circuits            | 30*2*2                   |

Refrigerant type/Quantity

|                |           |
|----------------|-----------|
| Type           | R410A     |
| Charged Volume | 19000 (g) |
| Design Presure | 4,2 (MPa) |

Refrigerant Pipe

|                                |                    |
|--------------------------------|--------------------|
| Liquid Side                    | 22,2 (mm)          |
| Gas Side                       | 35 (mm)            |
| Max.Length                     | 1000 (m)           |
| Ambient Temp (Cooling/Heating) | -10~55/-20~24 (°C) |

Wiring specification

|                               |                |
|-------------------------------|----------------|
| Power Wiring （ODU）            | 5X16 (mm2)     |
| A.B signal wiring （ODU）       | 2X0.75 (mm2)   |
| A.B signal wiring （to IDU）    | 2X0.75 (mm2)   |
| Stuffing Quantity (20/40/40H) | 6/12/12 (Unit) |

Air Flow Volume

|             |              |
|-------------|--------------|
| 17058 (CFM) | 29000 (m3/h) |
| Noise Level | 45-63 (dB/A) |

Dimension (W×D×H)

|                    |                    |
|--------------------|--------------------|
| 1850×825×1760 (mm) | 1925×930×1930 (mm) |
|--------------------|--------------------|

Weight

|       |          |
|-------|----------|
| Net   | 384 (kg) |
| Gross | 407 (kg) |