CITY**MULTI**®

18-TON TQRYP2164AL41AN





Job Name:

System Reference: Date:

460V MODULAR WATER-SOURCE VRF HEAT PUMP SYSTEM



ACCESSORIES

Optical Relay for Flow Switch (One Piece)______RIBTE24B Transformer 50VA (One Piece) _____TR50VA015 2" Temp sensor, optional (One Piece) ZM-TW200NPT KIT 2" EPIV Valve (One Piece) EV200S761ARXME BC Controller (Required)_____for details see BC Controller Submittals Joint Kit______for details see Pipe Accessories Submittal

NOTE:

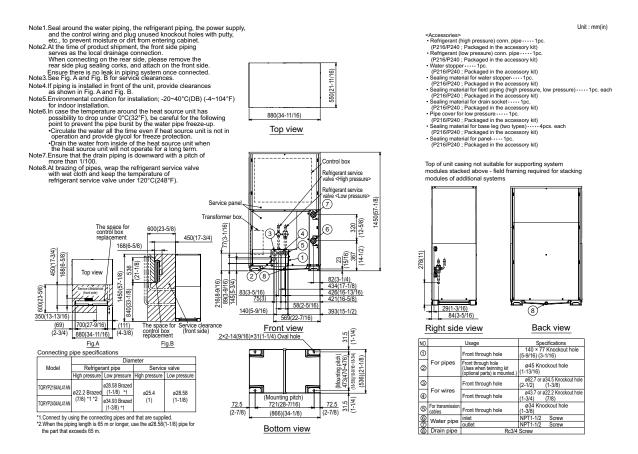
Requires two transformers

Requires no exptical relay
Requires two temp sensors per one EPIV valve if optional temps sensors are used.

| Specifications | | | System |
|--|--------------------------|---------------|--|
| Unit Type | | | TQRYP2164AL41AN |
| Cooling Capacity (Nominal) | | BTU/H | 216,000 |
| Heating Capacity (Nominal) | | BTU/H | 243,000 |
| Operating Temperature Range | Cooling (Indoor) | °F WB [°C WB] | 59~75 [15.0~24.0] |
| | Heating (Indoor) | °F DB [°C DB] | 59~81 [15.0~27.0] |
| Operating Water Temperature Range ¹ | Cooling/Heating | °F [°C] | 50~113.0 [10~45.0] |
| External Dimensions (H x W x D) | | In. [mm] | 57-1/8 x 34-11/16 x 21-11/16 [1,450 x 880 x 550] |
| Net Weight | | Lbs. [kg] | 574 [260] |
| External Finish | | | Galvanized steel sheets |
| Electrical Power Requirements Voltage, Phase, Hertz, Power Tolerance | | ver Tolerance | 460, 3, 60, ±10% |
| Minimum Circuit Ampacity | | Α | 31.0 |
| Maximum Overcurrent Protection | | A | 50 |
| SCCR | | kA | 5 |
| | | G/min (gpm) | 50.7 |
| Flow Rate | | L/min | 192 |
| | | psi | 6.53 |
| Pressure Drop | | Ft. | 15.1 |
| Operation Volume Range | | G/min (gpm) | 26.4~63.4 |
| | | m3/h | 6.0~14.4 |
| Refrigerant Piping Diameter (From Twinning Kit to First Joint or Header) | Liquid (High Pressure) | In. [mm] | 7/8 [22.2] Brazed (Pipe Size Dependent on Piping Length) |
| | Gas (Low Pressure) | In. [mm] | 1-1/8 [28.58] Brazed |
| Max. Total Refrigerant Line Length | | Ft. | 2,460 |
| Max. Refrigerant Line Length (Between ODU & IDU) | | Ft. | 541 |
| Max. Control Wiring Length | | Ft. | 1,640 |
| Indoor Unit Connectable | Total Capacity | <u>'</u> | 50.0~150.0% of heatsource unit capacity |
| | Model/Quantity | | P06~P96/2.0~50.0 |
| Sound Pressure Level | | dB(A) | 58.0/58.0 |
| Compressor Operating Range | | | 13.0% to 100.0% |
| Compressor | Type x Quantity | | Inverter scroll hermetic x 1 |
| Compressor Motor Output | kW | | 14.5 |
| Refrigerant | Type x Original Charge | | R410A x 25.0 lbs. + 13.0oz. [11.7 kg] |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch at 4.15 Mpa (601 psi) |
| | Inverter Circuit | | Over-heat protection, Over-current protection |
| | Compressor | | Over-heat protection |
| Lubricant | | | MEL32 |
| AHRI Ratings (Ducted/Non-ducted) | EER | | 11.2/10.9 |
| | IEER | | 19.0/21.2 |
| | COP | | 4.75/5.23 |
| | SCHE | | 19.7/19.7 |
| NOTES: | | | · |

123°F EWT (Entering water temperature) is possible with glycol.

OUTDOOR UNIT: TQRYP2164AL41AN – DIMENSIONS







Specifications are subject to change without notice.