



Submittal Data Sheet

22 ton, 230V, VRV EMERION HR

REYQ264AATJB

FEATURES

- New Simple and Stylish design with expanded line up with single-module units from 6 - 20T and dual-modules up to 40 T
- Space-saving 16 - 20 T single module units provide up to 34% footprint and up to 500 lbs./unit weight reduction compared to previous series
- High energy efficiency with IEERs up to 30.0 delivers up to 30% efficiency increase
- Year-round comfort and energy savings with Daikin's Variable Refrigerant Temperature technology (VRT)
- Heating down to -13°F as standard and high heating capacities at 17°F make it an ideal choice for all-electric heat pump solutions
- Continuous heating during defrost capability with single module (16 T - 20 T) and all dual module systems
- Hot gas defrost circuit allows for installation without base pan heater
- High dust and moisture protection with an IP55 rated sealed E-box
- Dual-fuel ready with connectivity to Daikin communicating gas furnace or all-electric heat pump heating for optimized operational costs based on utility rates
- Design flexibility to enlarge system from single to a dual-module without changes to installed main pipe sizes for phased installation or tenant fit-out buildings
- Local code compliance-ready from factory via alignment with compliance needs, such as OSHPD Seismic, Miami Dade Wind, and Chicago pressure relief codes
- Reduced wiring costs with up to 34% reduction in MCA values compared to previous series
- Engineered for ease of installation and service with three-segment panel design
- Factory ships with increased space for easy field piping connections to service valves.
- Built-in data recorder to store up to 40 minutes of operational data
- Integrates with new Daikin HERO ecosystem, an IoT-based remote monitoring and diagnostics platform.





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PERFORMANCE

| | | | |
|----------------------------------|--|--------------------------------------|---|
| Outdoor Unit Model No. | REYQ264AATJB | Outdoor Unit Name: | 22 ton, 230V, VRV EMERION HR |
| Type: | Heat Recovery | Unit Combination: | REYQ120AATJB + REYQ144AATJB |
| Rated Cooling Conditions: | Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / | Rated Heating Conditions: | Indoor (°F DB/WB): / Ambient (°F DB/WB): 47 / 43 |
| Rated Piping Length(ft): | | | |
| Rated Height Difference (ft): | | | |
| Rated Cooling Capacity (Btu/hr): | 252,000 | Rated Heating Capacity (Btu/hr): | 252,000 |
| Nom Cooling Capacity (Btu/hr): | 264,000 | Nom Heating Capacity (Btu/hr): | 297,000 |
| Cooling Input Power (kW): | | Heating Input Power (kW): | |
| EER (Non-Ducted/Ducted): | 11.20 / 10.10 | Heating COP (Non-Ducted/Ducted): | 3.7 / 3.2 |
| IEER (Non-Ducted/Ducted): | 21.20 / 18.00 | Heating COP 17F (Non-Ducted/Ducted): | 2.2 / 2.2 |
| | | SCHE (Non-Ducted/Ducted): | 21.20 / 16.00 |

OUTDOOR UNIT DETAILS

| | | | |
|---------------------------------------|-------------------------------|----------------------------------|-------------|
| Power Supply (V/Hz/Ph): | 208/230 / 60 / 3 | Compressor Stage: | Inverter |
| Power Supply Connections: | L1, L2, L3, Ground | Capacity Control Range (%): | - |
| Min. Circuit Amps MCA (A): | 36.5 + 47.8 | Capacity Index Limit: | - |
| Max Overcurrent Protection (MOP) (A): | 40 + 50 | Airflow Rate (H) (CFM): | 8965 + 9675 |
| Max Starting Current MSC(A): | | Gas Pipe Connection (inch): | 1-3/8 |
| Rated Load Amps RLA(A): | (10.5 + 10.6) + (10.0 + 15.8) | Liquid Pipe Connection (inch): | 3/4 |
| Dimensions (Height) (in): | 65-3/8 | H/L Pressure Connection (inch) | 1-1/8 |
| Dimensions (Width) (in): | 48-13/16 | H/L Equalizing Connection (inch) | |
| Dimensions (Depth) (in): | 30-1/8 | Sound Pressure (H) (dBA): | 67 |
| Net Weight (lb): | 712 + 785 | Sound Power Level (dBA): | |

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SYSTEM DETAILS

| | | | |
|--|-------------|-----------------------------------|----------|
| Refrigerant Type: | R-410A | Cooling Operation Range (°F DB): | 23 - 110 |
| Holding Refrigerant Charge (lbs): | 25.8 + 25.8 | Heating Operation Range (°F WB): | -13 - 60 |
| Additional Charge (oz/ft): | | Max. Pipe Length (Vertical) (ft): | 164 |
| Pre-charge Piping (Length) (ft): | | Cooling Range w/Baffle (°F DB): | - |
| Max. Pipe Length (Total) (ft): | 3,280 | | |
| Max Height Separation (Ind to Ind ft): | 98 | | |

DIMENSIONAL DRAWING

