



## Submittal Data Sheet

10 Ton, 230V, R32 EMERION HR  
REYA120AATJA

### FEATURES

- Low ambient cooling operation down to -4°F (-20°C) with a field setting and the addition of wind covers onto the outdoor unit
- Expanded Heating operation down to -22°F as standard
- New improved D4 net provides faster communication speeds and larger data volume compared to the D3 net up to 30 times the amount of data compared to D3 net
- Reduced install and commissioning time through auto addressing feature with D4 communications protocol
- R-32 system with lower Global Warming Potential (GWP), provides improved efficiency compared to R410A and requires lower total system charge
- Increased energy savings through new improved VRT technology with evaporation temperature control at each indoor unit (BS or SSOV required)
- New remote field setting option that allows data retrieval and field setting changes of units on the system from anywhere, without the need for physical access to each room
- New field setting that allows reuse of R410A piping network for new R32 system, eliminating need to replace for retrofit applications
- Seven segment display to read refrigerant temperatures and pressure on digital display
- Vertical separation up to 361 FT with field setting
- Ease of field piping connections to service valves
- 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
- 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
- Built-in data recorder to store up to 45 minutes of operational data
- Integrates with new Daikin HERO ecosystem, an IoT based remote monitoring and diagnostics platform
- Engineered for ease of installation and service with three-segment panel design
- Extend benefits of inverter technology to custom terminal units and AHUs through AHU integration kits





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### PERFORMANCE

|                                     |                                                           |                                      |                                                           |
|-------------------------------------|-----------------------------------------------------------|--------------------------------------|-----------------------------------------------------------|
| Outdoor Unit Model No.              | REYA120AATJA                                              | Outdoor Unit Name:                   | 10 Ton, 230V, R32 EMERION HR                              |
| Type:                               | Heat Recovery                                             | Rated Heating Conditions:            | Indoor (°F DB/WB): 70 / 60<br>Ambient (°F DB/WB): 47 / 43 |
| Rated Cooling Conditions:           | Indoor (°F DB/WB): 80 / 67<br>Ambient (°F DB/WB): 95 / 75 | Rated Heating Capacity (Btu/hr):     | 114,000                                                   |
| Rated Cooling Capacity (Btu/hr):    | 114,000                                                   | Nom Heating Capacity (Btu/hr):       | 135,000                                                   |
| Nom Cooling Capacity (Btu/hr):      | 119,000                                                   | Heating COP (Non-Ducted/Ducted):     | 3.5/3.5                                                   |
| EER (Non-Ducted/Ducted):            | 11.1/11.1                                                 | Heating COP 17F (Non-Ducted/Ducted): | 2.25/2.25                                                 |
| IEER (Non-Ducted/Ducted):           | 23.00/20.20                                               | SCHE (Non-Ducted/Ducted):            | 19.50/13.20                                               |
| Heating COP 5F (Non-Ducted/Ducted): | 1.75/1.64*                                                |                                      |                                                           |

\* 5F COP is provided for reference only

### 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 (%):    | 3 - 100  |
| Min. Circuit Amps MCA (A):            | 40                | Airflow Rate (H) (CFM):        | 8965     |
| Max Overcurrent Protection (MOP) (A): | 45                | Gas Pipe Connection (inch):    | 7/8      |
| Dimensions (Height) (in):             | 65-3/8            | Liquid Pipe Connection (inch): | 1/2      |
| Dimensions (Width) (in):              | 48-13/16          | H/L Pressure Connection (inch) | 3/4      |
| Dimensions (Depth) (in):              | 30-1/8            | Sound Pressure (H) (dBA):      | 61       |
| Net Weight (lb):                      | 739               | Sound Power Level (dB):        | 82       |

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### SYSTEM DETAILS

|                                        |                                        |                                   |          |
|----------------------------------------|----------------------------------------|-----------------------------------|----------|
| Refrigerant Type:                      | R-32                                   | Cooling Operation Range (°F DB):  | 23 - 122 |
| Holding Refrigerant Charge (lbs):      | 25.8                                   | Heating Operation Range (°F WB):  | -22 - 60 |
| Additional Charge (oz/ft):             | Check Install manual or selection tool | Max. Pipe Length (Vertical) (ft): | 361      |
| Max. Pipe Length (Total) (ft):         | 3,280                                  | Cooling Range w/Baffle (°F DB):   | -4 - 122 |
| Max Height Separation (Ind to Ind ft): | 98                                     |                                   |          |

### DIMENSIONAL DRAWING

