



Submittal Data Sheet

12 Ton, 230V R32 EMERION HR
REYA144AATJA

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





Submittal Data Sheet

12 Ton, 230V R32 EMERION HR

REYA144AATJA

PERFORMANCE

Outdoor Unit Model No.	REYA144AATJA	Outdoor Unit Name:	12 Ton, 230V R32 EMERION HR
Type:	Heat Recovery	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Capacity (Btu/hr):	138,000
Rated Cooling Capacity (Btu/hr):	138,000	Nom Heating Capacity (Btu/hr):	162,000
Nom Cooling Capacity (Btu/hr):	144,000	Heating COP (Non-Ducted/Ducted):	3.30/3.35
EER (Non-Ducted/Ducted):	11.20/11	Heating COP 17F (Non-Ducted/Ducted):	2.10/2.10
IEER (Non-Ducted/Ducted):	22.7/19.70	SCHE (Non-Ducted/Ducted):	19.60/15.00
Heating COP 5F (Non-Ducted/Ducted):	1.96/1.91*		

* 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):	50	Airflow Rate (H) (CFM):	9675
Max Overcurrent Protection (MOP) (A):	60	Gas Pipe Connection (inch):	1-1/8
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):	65
Net Weight (lb):	825	Sound Power Level (dB):	85

Submittal Data Sheet 12 Ton, 230V R32 EMERION HR REYA144AATJA

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

