



Submittal Data Sheet

6 ton, 230V, VRV EMERION HR

REYQ72AATJA

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
- Increased piping lengths of up to 361 ft. vertical separation between ODU and IDU provide additional application flexibility compared to previous VRV systems
- 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 45 minutes of operational data
- Integrates with new Daikin HERO ecosystem, an IoT-based remote monitoring and diagnostics platform. Available Spring of 2022





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PERFORMANCE

Outdoor Unit Model No.	REYQ72AATJA	Outdoor Unit Name:	6 ton, 230V, VRV EMERION HR
Type:	Heat Recovery	Unit Combination:	
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	69,000	Rated Heating Capacity (Btu/hr):	77,000
Nom Cooling Capacity (Btu/hr):	72,000	Nom Heating Capacity (Btu/hr):	81,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	15.70 / 12.80	Heating COP (Non-Ducted/Ducted):	4.4 / 3.6
IEER (Non-Ducted/Ducted):	28.00 / 23.00	Heating COP 17F (Non-Ducted/Ducted):	2.5 / 2.4
		SCHE (Non-Ducted/Ducted):	26.10 / 22.00

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 3	Compressor Stage:	
Power Supply Connections:		Capacity Control Range (%):	7 - 100
Min. Circuit Amps MCA (A):	27.3	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	30.0	Airflow Rate (H) (CFM):	6200
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	3/4
Rated Load Amps RLA(A):	11.1	Liquid Pipe Connection (inch):	3/8
Dimensions (Height) (in):	65-3/8	H/L Pressure Connection (inch)	5/8
Dimensions (Width) (in):	36-5/8	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-1/8	Sound Pressure (H) (dBA):	58
Net Weight (lb):	509	Sound Power Level (dBA):	

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SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	23.4	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	361
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540	Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):			

DIMENSIONAL DRAWING

