



# rio

DC Inverter-driven ductless split systems

16 SEER



w - efficiency (16 SEER) • Heat Pump systems • Compact & Quiet Design

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## Features

- G10 Inverter Technology
- Low Ambient Cooling to 5° F (208-230Volt systems)
- Low voltage start-up
- Intelligent Defrost
- Intelligent Pre-heating
- Comfortable Sleep Mode
- Auto Swing (Vertical)
- Multiple Fan Speeds
- Auto Clean
- Dry Anti-mildew design
- LED display
- Automatic Operation
- Self-diagnosis
- Memory Function
- Timer
- Control lock
- Fan Delay function



Model		RIO09HP115V1A	RIO12HP115V1A	RIO09HP230V1B	RIO12HP230V1B	RIO18HP230V1A	RIO24HP230V1A
System Type		Heat Pump					
Power Supply		115V / 60Hz	115V / 60Hz	208-230V / 60Hz	208-230V / 60Hz	208-230V / 60Hz	208-230V / 60Hz
Rated Current Cooling	Amps	9.0	15.0	3.9	5.4	7.9	11.5
Rated Current Heating	Amps	9.5	15.5	3.4	4.7	11.8	13.0
System Performance							
Cooling Capacity (Min-Max)	Btu/h	9,000 (3,500-11,000)	11,800 (3,300-12,500)	9,000 (3,800-11,500)	12,000 (3,300-12,500)	18,000 (4,500-21,000)	22,000 (6,400-24,000)
Heating Capacity (Min-Max)	Btu/h	9,800 (2,500-11,000)	13,000 (3,400-13,500)	9,000 (3,300-11,500)	12,000 (3,400-12,500)	19,200 (4,000-23,000)	24,200 (4,100-26,600)
SEER/EER		16 / 12.0	16 / 9.4	16 / 9.8	16 / 9.2	16 / 11.1	16 / 10.0
HSPF/COP		8.6/3.5	8.6/2.9	8.5/3.4	8.5/3.4	8.0/2.8	8.5/3.0
Indoor Unit							
Air Flow	CFM	329/276/223/188	341/288/235/200	330/282/194/141	341/294/206/153	471/400/330/271	589/441/306/206
Sound Pressure Level - T/H/M/L	db (A)	40/37/35/32	40/37/35/32	43/38/32/26	44/39/33/28	48/43/38/34	49/43/39/34
Unit Dimension (WxHxD)	inches	30.3 x 11.1 x 7.9	30.3 x 11.1 x 7.9	30.3 x 11.1 x 7.9	30.3 x 11.1 x 7.9	34 x 12.0 x 8.5	39.7 x 12.4 x 8.7
Package Dimension (WxHxD)	inches	33.3 x 13.6 x 10.9	33.3 x 13.6 x 10.9	33.3 x 13.9 x 10.9	33.3 x 13.9 x 10.9	37.3 x 15.1 x 12.2	42.4 x 15.7 x 12.9
Net / Gross Weight	lb	19 / 26	19 / 26	19 / 25	20 / 27	27 / 35	33 / 44
Outdoor Unitz							
Compressor Type		DC Inverter-driven Twin rotary					
Sound Pressure Level	db (A)	53	55	49	52	56	53
Unit Dimension (WxHxD)	inches	33.4 x 21.2 x 12.6	33.4 x 21.2 x 12.6	28.0 x 21.7 x 12.5	28.0 x 21.7 x 12.5	37.6 x 27.6 x 15.6	37.6 x 27.6 x 15.6
Package Dimension (WxHxD)	inches	34.7 x 23.4 x 14.3	34.7 x 23.4 x 14.3	30.5 x 23.9 x 13.8	30.5 x 23.9 x 13.8	40.5 x 29.5 x 18.0	40.5 x 29.5 x 18.0
Net / Gross Weight	lb	75 / 84	75 / 84	64 / 73	68 / 77	106 / 117	115 / 126
Refrigerant / Charge	oz.	R410A / 37	R410A / 40.6	R410A / 26.1	R410A / 35.3	R410A / 45.9	R410A / 54.7
Line Set Size (Liquid - Suction)	inches	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Pre-Charge	Feet	25	25	25	25	25	25
Max. Line Run	Feet	66	66	50	50	82	82
Max. Elevation	Feet	33	33	33	33	33	33
MCA	Amps	13	15	10	10	15	17
MOCP	Amps	20	25	15	15	25	25
Interconnecting wire		AWG14 / 4					

\* Energy Star qualified model



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