



VRP® Variable Refrigerant Packaged Heat Pump

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING Btu	VOLTAGE	FRIEDRICH MODEL

Item	Description	QTY.	CHECK LIST
VPAL2	Architectural louver - 30° Blade angle		Louvers One required per unit
VRSC2	Architectural louver - 30° Blade angle - Custom color (Special order)		
VRPXALA	Architectural louver - 30° Blade angle		
VRPXSCA	Architectural louver - 30° Blade angle - Custom color (Special order)		
VRPXALB	Architectural louver - 30° Blade angle		
VRPXSCB	Architectural louver - 30° Blade angle - Custom color (Special order)		
VRPXALC	Architectural louver - 30° Blade angle		
VRPXSCC	Architectural louver - 30° Blade angle - Custom color (Special order)		Wall Plenums One required per unit
VPAPW1-8	Vert-I-Pak/VRP floating chassis, telescoping wall plenum - 4"-8" wall depth		
VPAPW1-14	Vert-I-Pak/VRP floating chassis, telescoping wall plenum - 8"-14" wall depth		
VRPXWPA-8	VRP floating chassis, telescoping wall plenum - 4"-8" wall depth		
VRPXWPA-14	VRP floating chassis, telescoping wall plenum - 8"-14" wall depth		
VRPXWPB-8	VRP floating chassis, telescoping wall plenum - 4"-8" wall depth		
VRPXWPB-14	VRP floating chassis, telescoping wall plenum - 8"-14" wall depth		
VRPXWPC-8	VRP telescoping wall plenum - 4"-8" wall depth		Access Panels One required per unit
VRPXWPC-14	VRP telescoping wall plenum - 8"-14" wall depth		
VPRG4	Vert-I-Pak/VRP louvered access panel - left in-swing		
VPRG4R	Vert-I-Pak/VRP louvered access panel - right in-swing		Required for VRP07
VRPXAP1	VRP louvered access panel (left and right in-swing)		
VRPXAPPR1	VRP hanging perimeter return access panel		Filter Accessories
VPDP2	VRP07 auxiliary drain pan (Required)		
VRPXFK-2	Filter bracket kit for 2" deep filters (up to MERV 13) - includes gasket		Wall Controllers One required per unit
VPFKU	Telescoping filter bracket kit for 2" - 4" deep filters (up to MERV 13) - includes gasket		
VRPXWCT4	Wired standard VRP wall controller		
VRPXEMRT(A/B)4	Wired energy management wall controller		Optional Energy Management Accessories
VRPXEMWRT(A/B)4	Wireless (to the unit) energy management controller		
EMOCT4	Energy management online connection kit		
EMRAF4	Energy management online remote access fee		
EMROS4	Energy management wired remote occupancy sensor		
EMRTS4	Energy management remote temperature sensor		
EMRDS4	Energy management door switch		
EMCWP4	Energy management J-box wall-plate		
EMRWOS4	Energy management wireless remote occupancy sensor		

Unit Features

VRP[®]

Unitary Package Design

- Low upfront installed cost
- Ease of replacement or maintenance
- "In closet" installation provides maximum design flexibility
- No structural requirements to support rooftop systems
- No hiding fields of condensing units
- Patented telescoping plenum adapts to more installation types
- Unique free-floating chassis means no metal-to-metal contact
- Reduced noise from vibration transfer improves guest experience
- Fully insulated cabinets for improved sound characteristics

Precision Inverter[®] Technology

- Highly efficient - up to 18.0 SEER2
- Low ambient operation down to 0° F
- Economical to operate - Huge savings in operational costs
- Precise cooling or heating to match the required capacity
- Reaches desired temperature faster than conventional air conditioners
- Quieter operation than conventional air conditioners
- Improved guest comfort



VRP07
Shown with field-supplied
MERV 13 filter option



VRP12



VRP24

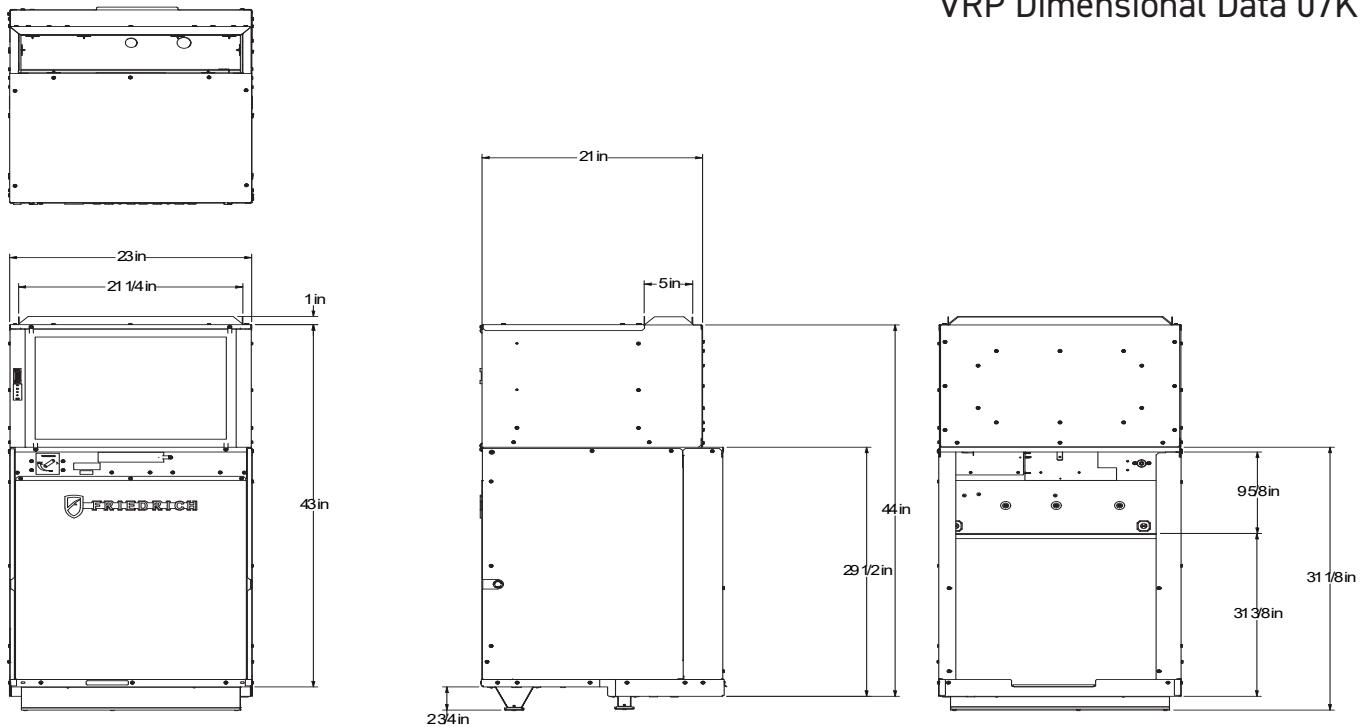


VRP36

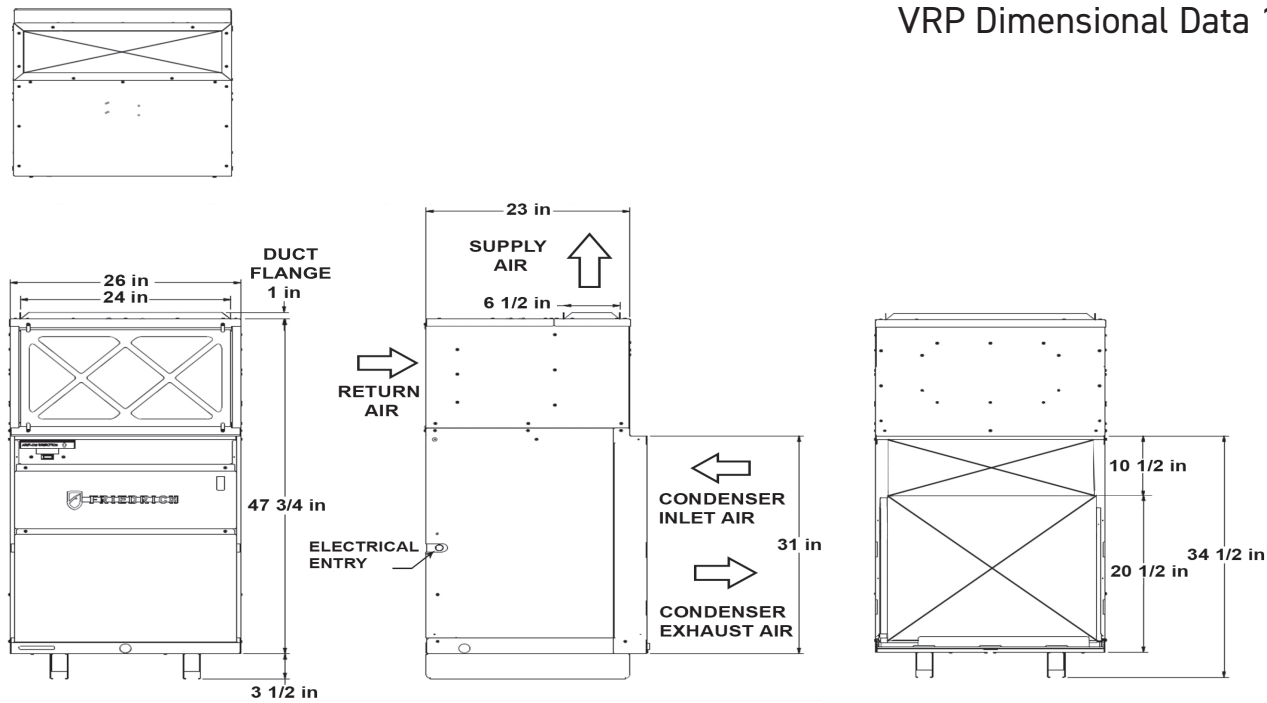


Unit Dimensions

VRP Dimensional Data 07K

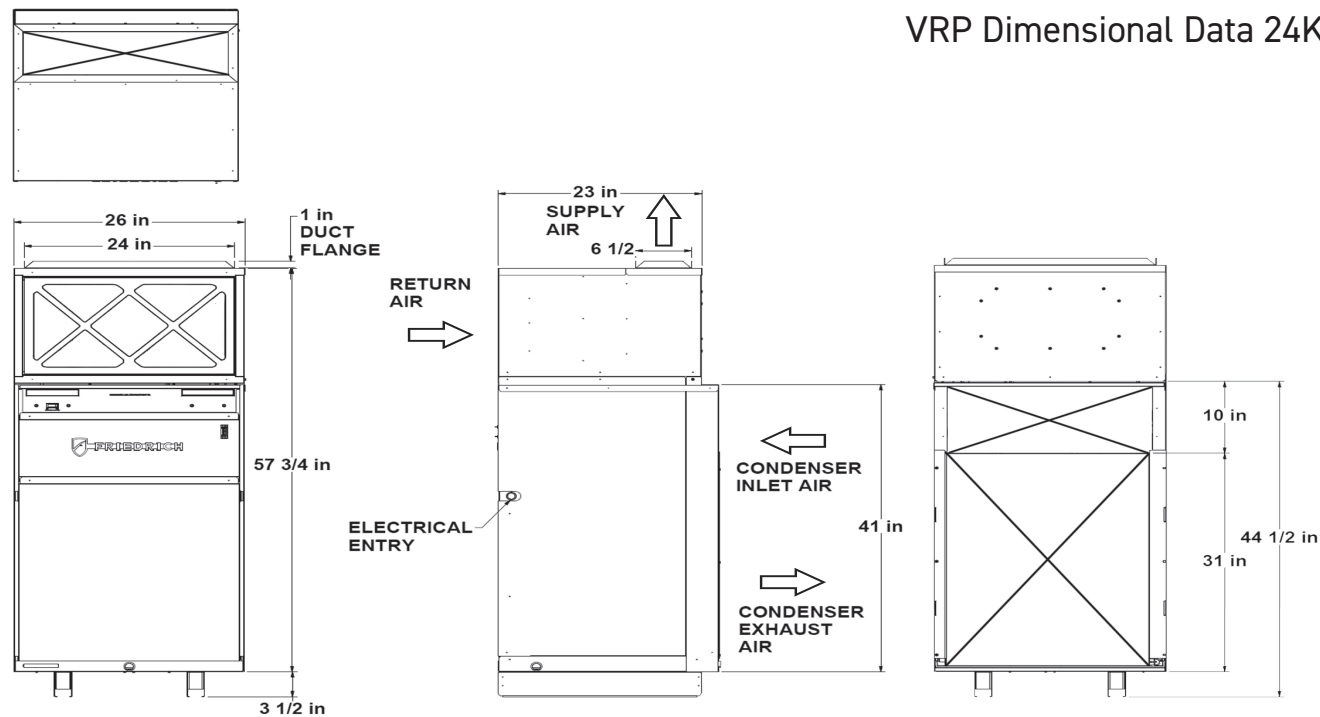


VRP Dimensional Data 12K

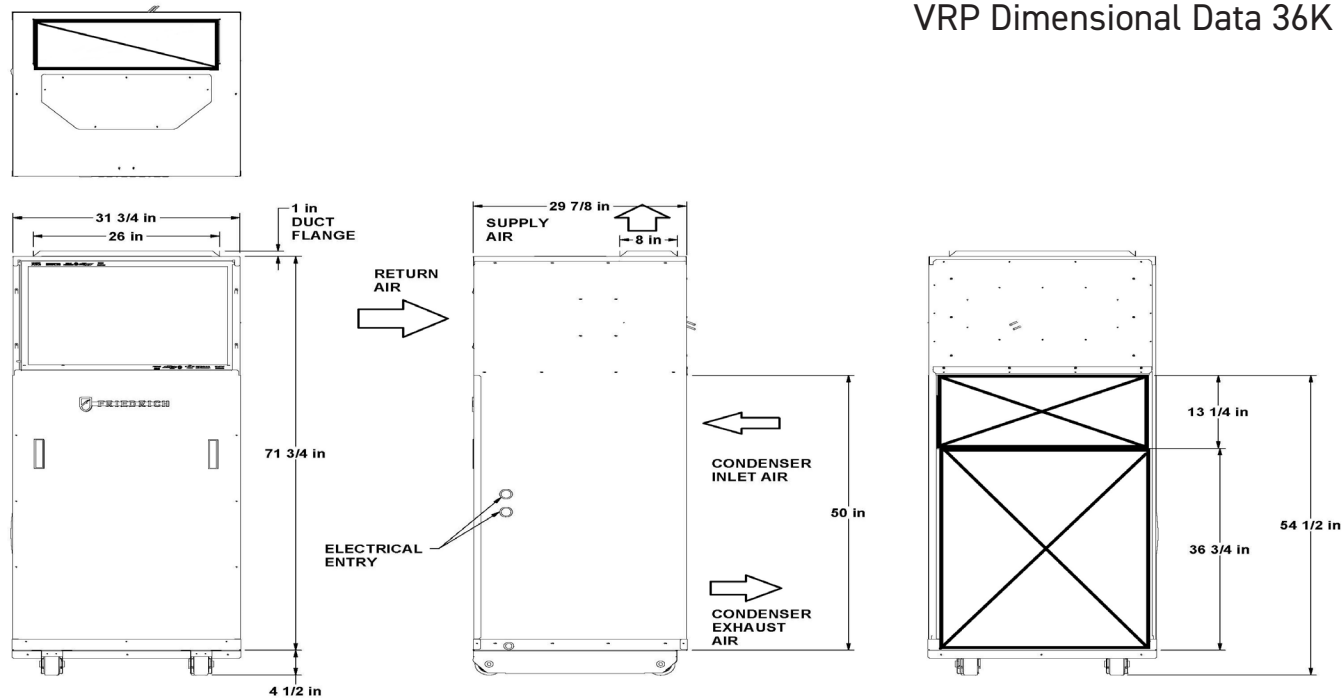


Unit Dimensions

VRP Dimensional Data 24K



VRP Dimensional Data 36K



VRP®

Model Specifications

Model	VRP07K/VRP07R		VRP12K/VRP12R		VRP24K/VRP24R		VRP36K
COOLING PERFORMANCE DATA (COOLING STANDARDS: 95°F DB/75°F OUTDOOR, 80°F DB/67° WB INDOOR)							
Voltage	230/208	265	230/208	265	230/208	265	230/208
Cooling Btu (Rated)	7,000		11,500		23,400		35,600
Cooling Btu (Min. - Max)*	3,800 - 10,000		5,400 - 16,000		14,500 - 28,000		21,400 - 38,400
Outdoor Operating Range (°F)	55 - 115		55 - 115		55 - 115		55 - 115
Power (W)	636		1,000		2,166		3,390
SEER2	16.5		18.0		17.5		17.0
EER2	11.0		11.5		10.8		10.5
Sensible Heat Ratio	0.83		0.8		0.75		0.72
Cooling Amps	2.97	2.75	4.3	3.74	9	7.95	14.8
HEAT PUMP PERFORMANCE DATA							
Heating Btu (Rated @ 47°F)	7,000		11,500		22,000		33,000
Heating Btu (@ 17°F)	4,300		6,200		13,000		20,800
Heating Btu (Min. - Max)	2,800 - 9,000		4,000 - 14,000		12,000 - 26,000		9,000 - 33,000
Heat Pump Outdoor Operating Range (°F)*	0 - 70		0 - 70		0 - 70		0 - 70
COP (Rated @ 47°F)	3.2		3.4		3.4		3.3
HSPF2	7.2		7.6		7.6	7.4	7.8
Heating Power (W)	641		1,189		1,896		2,930
Heating Amps	2.9	2.69	4.3	3.48	9.0	7.7	12.8

*Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

Due to continuing research in technology, specifications are subject to change without notice.

Model	VRP07K/VRP07R	VRP12K/VRP12R	VRP24K/VRP24R	VRP36K
Dimensions (W x D x H)	22 ¹⁵ / ₁₆ " x 22 ¹³ / ₁₆ " x 44 ¹⁵ / ₁₆ "	26 ¹ / ₈ " x 25 ¹ / ₈ " x 52"	26 ¹ / ₈ " x 25 ¹ / ₈ " x 62"	31 ³ / ₄ " x 29 ⁷ / ₈ " x 77 ¹ / ₄ "
Shipping Dimensions (W x D x H)	25" x 25" x 48 ¹ / ₄ "	28 ¹ / ₈ " x 27 ³ / ₈ " x 54 ¹ / ₂ "	28 ¹ / ₈ " x 27 ³ / ₈ " x 64 ¹ / ₂ "	34" x 35" x 81"
Net Weight (lbs.)	161	215	255	330
Shipping Weight (lbs.)	165	276	316	357
R-32 Charge (oz.)	29.0	40.0	59.0	60.0

One or more of the following patents may apply: 10408504, 10436457, 10488083. Additional patents pending.

