

VANTIX™



Vantix™ Line Air Handlers



Air Handler SH3VZ

Motor:
Constant CFM

Valve Type:
Thermostatic Expansion
Valve (TXV)

Efficiencies:
up to 16 SEER2

Features:

o Constant CFM Motor:

- When paired with a 24V two-stage thermostat, the air handler runs in 3-speeds to match airflow with outdoor unit

o Diagnostics - Easy & Quick Diagnostics & Ongoing Monitoring with Bluetooth Technology:

- The Russell™ by Rheem Vantix™ Line with the Russell™ by Rheem Contractor App via Bluetooth technology, features up to 62% faster overall diagnostics over other residential HVAC brands¹

o No Dip Switches = Fast Seamless Final Installation

- The Russell™ by Rheem Vantix™ Line, with Russell™ by Rheem Contractor App-based commissioning via Bluetooth technology, features up to 54% faster installation over other residential HVAC brands¹

o New Russell by Rheem® Air Handler Control Board (AHC):

- Enables constant CFM airflow
- Introduces Bluetooth connectivity for access to advanced diagnostic information from the Contractor App on your mobile device

o Aluminum Indoor Coil Design:

- Are constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant

o Quieter Sound Levels:

- Provided by sturdy cabinet construction with 1.0 inch of foil faced insulation for quieter sound characteristics

o Versatile 4-Way Convertible Compact Design:

- Allows for upflow, downflow, horizontal left and horizontal right applications, even in the smallest of spaces

o Rugged Steel, Compact Cabinet Construction:

- Designed for added strength and versatility

o Field-installed Auxiliary Heater Kits:

- Provide exact heat for indoor comfort and include circuit breakers which meet UL and cUL requirements for service disconnect

o Less than 2% Cabinet Air Leakage at 1-inch H2O:

- When tested in accordance with ASHRAE standard 193

¹Per a 2022 MIAT Residential HVAC Time Study on base and mid-tier Vantix™ Line products and commercially available competitor units of similar product tier.

Russell™ by Rheem Vantix™ Line Air Handlers - SH3VZ Nomenclature

S	H	3	V	Z	24	17	S	T	A	N	N	J
Brand	Product Category	Airflow Stages	Motor Type	Refrigerant	Capacity BTU/HR	Width	Efficiency	Metering	Major Series	Controls	Coil Series	Voltage
Russell by Rheem	H - Air Handler	3+ Stage	V - Constant CFM	Z - R-410A	24 - 24,000 [7.03 kW] 36 - 36,000 [10.55 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	17 - 17.5" 21 - 21" 24 - 24.5"	S - Standard	T - TXV	A - 1st Design	N - Non - Comm	N - N Coil	J - 208-240/1/60

Available Models
SH3VZ2417STANNJ
SH3VZ3617STANNJ
SH3VZ4821STANNJ
SH3VZ6024STANNJ



Cabinet Dimensions

Model	Height (in)	Width (in)	Depth (in)	Net Weight (lbs)
SH3VZ2417STANNJ	42 1/2	17 1/2	21 11/16	92
SH3VZ3617STANNJ	42 1/2	17 1/2	21 11/16	96
SH3VZ4821STANNJ	50 1/2	21	21 11/16	128
SH3VZ6024STANNJ	55 1/2	24 1/2	21 11/16	161

Preliminary Product Data²

Model	Voltage	Phase	Hertz	HP	RPM	Circuit Amps	Minimum Circuit Ampacity	Maximum Overcurrent Protection
SH3VZ2417STANNJ	208-230	1	60	1/3	300 - 1300	2.8	3.5	15/15
SH3VZ3617STANNJ	208-230	1	60	1/2	300 - 1300	4.6	5.8	15/15
SH3VZ4821STANNJ	208-230	1	60	3/4	300 - 1300	5.8	7.3	15/15
SH3VZ6024STANNJ	208-230	1	60	3/4	300 - 1300	5.3	6.6	15/15

² COMING SOON: Ratings data is for reference only. Complete rated system performance data will be included in the full Product Specification Sheet which will be available by June 15. Please refer to www.ahridirectory.org for official ratings.

GENERAL TERMS OF LIMITED WARRANTY³

Russell by Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

Conditional Parts
(Registration Required).....Ten (10) Years

³ For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

Russell by Rheem Heating, Cooling & Water Heating • 5600 Old Greenwood Road
Fort Smith, Arkansas 72908 • www.RussellbyRheem.com