

Serenity Vertical Hi-Rise • 44VH Series

*Brings comfort to
every room*



The Serenity® Vertical Hi-Rise Model series 44VH Water-Source Heat Pump is one of the most efficient and economical commercial application options available. With simultaneous heating and cooling individual space capabilities paired with whisper quiet control and innovative engineering, the Serenity® Series is unquestionably the best solution for comfort, efficiency and reliability.

MODEL:

**44VH • Unit Sizes 9 to 36
@ 60Hz - R410A**

FEATURES:

- Exceeds ASHRAE 90.1 efficiencies
- Removable chassis allows staged installation and ease of maintenance
- High efficiency constant volume ECM
- Multiple discharge air configurations with the option to have knock outs
- TXV metering device
- Cabinet and chassis sections can be staged during the installation process
- Labor saving Chassis section is a one-piece slide in unit with quick connects
- Stainless steel braided hose kits for connection from piping risers to chassis
- Double isolation compressor mounting for quiet operation



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DIMENSIONAL DATA

Unit Size	Footprint A x B	Supply Grille Nominal DW x DH	Cabinet SSS/SWC Height	Cabinet LSS/LWC Height	Filter Sizes
9, 12	17x17 (432 x 432)	15 x 10 (281 x 254)	88 (2236)	80 (2013)	14 x 24 (356 x 610)
15, 18	20x20 (508 x 508)	18 x 10 (457 x 254)	88 (2236)	80 (2013)	16 x 25 (406 x 635)
24	24x24 (610 x 610)	22 x 10 (559 x 254)	88 (2236)	80 (2013)	20 x 25 (508 x 635)
30, 36	24x24 (610 x 610)	22 x 10 (559 x 254)	88 (2236)	80 (2013)	20 x 30 (508 x 762)

GENERAL INFORMATION

Unit Size	CFM	GPM	Cooling		Heating		Compressor		Charge (oz)
			Capacity (btuh)	EER	Capacity (btuh)	COP	Qty.	Type	
9	300	2.25	10,000	16	12,000	5	1	Rotary	34.0
12	400	3.00	12,500	16	14,500	5	1	Rotary	32.5
15	500	3.75	15,500	16	17,500	5	1	Rotary	39.0
18	625	4.50	18,500	16	21,000	5	1	Scroll	46.0
24	800	6.00	25,500	16	28,500	5	1	Scroll	69.5
30	1000	7.50	31,500	16	34,000	5	1	Scroll	79.0
36	1200	9.00	36,000	16	40,200	5	1	Scroll	77.0

ELECTRICAL DATA

Unit Size	Voltage	Horsepower - RPM	Blower FLA	Compressor RLA / LRA	Total FLA	MCA	Breaker Size
9	208/1	1/4-1600	1.1	3.7 / 29	4.8	5.8	15
	265/1	1/4-1600	1.0	3.5 / 22	4.5	5.4	15
12	208/1	1/4-1600	1.4	4.7 / 25	6.1	7.6	15
	265/1	1/4-1600	1.2	4.2 / 22	5.4	6.5	15
15	208/1	1/3-1075	1.8	5.6 / 22	7.4	8.8	15
	265/1	1/3-1075	1.6	5.0 / 28	6.6	7.9	15
18	208/1	1/3-1075	1.8	9.0 / 47.5	10.8	13.1	20
	265/1	1/3-1075	1.6	7.3 / 43.0	8.7	10.5	15
24	208/1	1/3-1075	2.4	10.9 / 62.9	13.3	16.1	25
	265/1	1/3-1075	2.1	9.0 / 54.0	11.1	13.4	20
30	208/1	1/3-1075	3.2	13.5 / 75.5	16.7	20.1	30
	265/1	1/3-1075	2.9	11.2 / 60.0	14.1	16.5	25
36	208/1	1/2-1075	3.7	14.1 / 72.2	17.8	21.4	30
	265/1	1/2-1075	3.3	12.2 / 72.0	15.5	18.6	30

For more information, please visit engineered-comfort.com