

**Omega VSHP replacement chassis** is the ideal replacement for Omega's VSHP units. The chassis unit is our OEM direct drop-in allowing for a fast, simple and easy installation.

The Omega unit features modern components and works seamlessly with the existing advanced microprocessor controller providing the user with silent, energy efficient, and reliable year-round operation.

Factory tested and fully charged with R-410A makes Omega the preferred replacement option.

### STANDARD FEATURES

- Factory charged and tested
- High efficiency compressors
- Microprocessor Controller Compatible
- High and Low-Pressure safety switches
- Freeze Protection sensor
- Entering & Leaving Water Temperature sensors
- Thermal Expansion Valve (TXV) & Filter Drier
- R-410A Environmentally friendly refrigerant
- Refrigerant service access ports
- Heavy gauge galvanized sheet metal
- 1-Year Parts and 5-Year Compressor Warranty

### QUICK & EASY

Omega VSHP replacement chassis units are the OEM replacement to existing unit for a quick and easy installation. Simply remove old chassis, and slide in new Omega chassis. All connections are plug-n-play with no wiring modifications required. Water connections match existing cabinet and hose connections for a seamless transition.

### SAFETY

Replacement chassis comes standard with a host of safety features to protect unit from unwanted operating conditions: high-pressure and low-pressure safety switches to shut down unit before damage can occur and water temperature sensing for pre-emptive detection of water flow issues.

### COMFORT & RELIABILITY

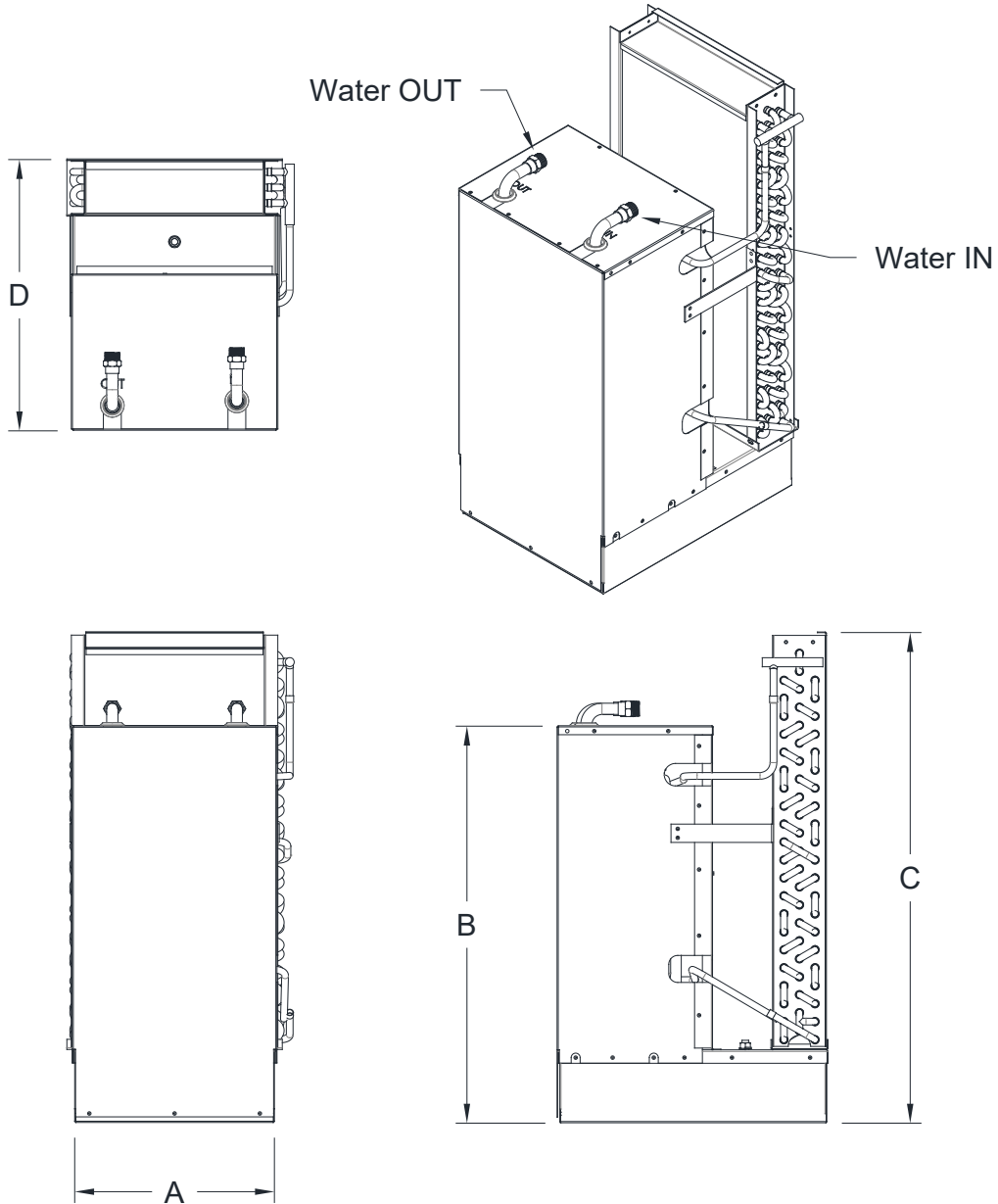
Quiet and reliable operation from the use of quality components and construction. High-efficiency compressor ensures silent and reliable operation. Unit integrates with existing advanced microprocessor controller and continuously monitors operation of the unit for fault-free start-ups and optimal operation. All new Omega units come with our standard 1-year parts and 5-year compressor warranty.

### OPTIONS & ACCESSORIES

- Thermostat
- Auto-Flow Balancing valve
- Auto Shut-Off Control valve
- Hose kits
- Geothermal Option
- Coated Air Coil for Formicary Corrosion Protection
- Air Filters

# OMEGA VSHP SERIES

## Omega VSHP Replacement Chassis



### Dimensional Data

Omega Model	Cabinet Size	Dimensions (inches)				Water Connection (in)		Weight (lbs.)
		A	B	C	D	Outlet	Inlet	
RPC-OM-VSHP-020	X	11 1/8	22	16 1/4	15	1/2 NH	1/2 NH	57
RPC-OM-VSHP-030		11 1/8	22	27 3/8	15	1/2 NH	1/2 NH	67
RPC-OM-VSHP-040		11 1/8	22	27 3/8	15	1/2 NH	1/2 NH	72
RPC-OM-VSHP-050	Y	13 1/4	22 1/4	28 1/4	18	1/2 NH	1/2 NH	93
RPC-OM-VSHP-060						1/2 NH	1/2 NH	95
RPC-OM-VSHP-080	Z	17 1/8	23 3/8	29 1/4	22 1/4	3/4 NH	3/4 NH	138
RPC-OM-VSHP-100						3/4 NH	3/4 NH	140
RPC-OM-VSHP-120						3/4 NH	3/4 NH	150

### Performance Data

Omega Model	Replaces Omega Model	Refrig.	Size (Tons)	Nominal CFM	Cooling*		Heating*		Nominal GPM	WPD	
					BTUH <sup>1</sup>	EER <sup>1</sup>	BTUH <sup>2</sup>	COP <sup>2</sup>		PSI	FT
RPC-OM-VSHP-020	VSHP-020	R-410A	1/2	200	5,800	12.2	7,200	4.3	1.5	1.7	4
RPC-OM-VSHP-030	VSHP-030	R-410A	3/4	350	8,900	12.5	11,900	4.6	2.5	4.8	11
RPC-OM-VSHP-040	VSHP-040	R-410A	1	460	11,600	13.7	14,700	4.7	3.0	4.8	11
RPC-OM-VSHP-050	VSHP-050	R-410A	1 1/4	530	15,100	15.5	17,200	4.8	4.0	6.2	14
RPC-OM-VSHP-060	VSHP-060	R-410A	1 1/2	630	17,900	14.5	22,500	4.5	4.5	8.7	20
RPC-OM-VSHP-080	VSHP-080	R-410A	2	820	22,000	13.3	29,500	4.4	6.0	4.4	10
RPC-OM-VSHP-100	VSHP-100	R-410A	2 1/2	1010	26,400	13.0	36,000	4.3	7.0	5.6	13
RPC-OM-VSHP-120	VSHP-120	R-410A	3	1200	36,000	12.8	46,700	4.2	9.0	8.0	18

\* Nominal capacity performance based on 86F EWT Cooling, 68F EWT Heating and rated CFM. Includes fan power 0.365W/CFM

<sup>1</sup> Cooling performance based on 80F DB and 67F WB entering air conditions.

<sup>2</sup> Heating performance at 68F entering air.

### Electrical Data

MODEL	Compressor Type	Supply Voltage	Compressor		
			QTY	RLA	LRA
RPC-OM-VSHP-020	Rotary	208-230/1/60	1	@ 3.0	15.0
RPC-OM-VSHP-030	Rotary	208-230/1/60	1	@ 3.7	22.0
RPC-OM-VSHP-040	Rotary	208-230/1/60	1	@ 4.7	25.0
RPC-OM-VSHP-050	Rotary	208-230/1/60	1	@ 5.6	26.0
RPC-OM-VSHP-060	Rotary	208-230/1/60	1	@ 7.4	33.0
RPC-OM-VSHP-080	Scroll	208-230/1/60	1	@ 10.9	62.9
RPC-OM-VSHP-100	Scroll	208-230/1/60	1	@ 13.5	72.5
RPC-OM-VSHP-120	Scroll	208-230/1/60	1	@ 15.4	83.9

**VERIFY EXISTING ELECTRICAL SERVICE IS ADEQUATE FOR NEW REPLACEMENT CHASSIS**