



**RPC
SERIES**

**JOHNSON
CONTROLS
VSCS**

JOHNSON CONTROLS VSCS

RPC SERIES

Omega VSCS replacement chassis unit is an ideal replacement and upgrade for the Johnson Controls VSCS chassis units. The chassis is a direct drop-in for a fast, simple and easy installation. The Omega VSCS unit features modern components and chassis noise cancelling base providing the user with silent, energy efficient, and reliable year-round operation.

A matching harness connector, and factory tested and fully charged with R-410A, makes Omega the preferred replacement option.



COMPARISON CHARTS

JOHNSON CONTROLS VSCS		
OMEGA MODEL	REPLACES JOHNSON CONTROLS MODEL	NOMINAL SIZE (TONS)
RPC-JC-VCS-030	VSCS09	3/4
RPC-JC-VCS-040	VSCS12	1
RPC-JC-VCS-050	VSCS15	1 ¼
RPC-JC-VCS-060	VSCS18	1 ½
RPC-JC-VCS-080	VSCS24	2
RPC-JC-VCS-100	VSCS30	2 ½
RPC-JC-VCS-120	VSCS36	3

QUICK & EASY

Omega VSCS chassis is dimensionally identical to old Johnson Controls VSCS unit for a quick and easy installation. Chassis comes with plug-n-play harness for quick connection to existing electrical box avoiding wire cutting modifications. Water connections are available with adapter kits to match various existing hose and cabinet connections for a seamless transition.

SAFETY

Replacement chassis comes standard with high-pressure and low-pressure safety switches, and freeze stat to protect unit from unwanted operating conditions such as air-flow blockages, water flow disruptions, and motor failures.

COMFORT & RELIABILITY

Quiet and reliable operation from the use of quality components and construction. High-efficient compressors and Ultra Quiet sound package come as standard ensuring silent year round unit operation. Thermostatic expansion valve (TXV) provides optimal and energy efficient operation. All new Omega units come standard with a 1-year parts and 5-year compressor warranty.

STANDARD FEATURES

- Factory charged and tested
- High efficiency compressors
- High and Low-Pressure safety switches
- Freeze temp sensor
- Ultra Quiet sound package
- 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

OPTIONS & ACCESSORIES

- Thermostat
- Auto-Flow Balancing valve
- Auto Shut-Off Control valve
- Geothermal Option
- Coated Air Coil for Formicary Corrosion Protection
- Cupro-Nickel coaxial condenser
- Air Filters
- Hose Connection Adapters
- Service Cover Panel
- Return Air Panel

PERFORMANCE DATA

OMEGA MODEL	REFRIG.	SIZE (TONS)	NOMINAL CFM	COOLING*		HEATING*		NOMINAL GPM	WPD	
				BTUH ¹	EER ¹	BTUH ²	COP ²		PSI	FT
RPC-JC-VCS-030	R410A	3/4	310	9,900	12.6	14,100	4.4	2.5	4.3	10
RPC-JC-VCS-040		1	475	13,000	13.3	16,600	4.4	3.0	4.5	10
RPC-JC-VCS-050		1 ¼	525	14,500	13.0	17,400	4.3	4.0	4.9	11
RPC-JC-VCS-060		1 ½	525	17,600	13.0	22,600	4.2	4.5	4.9	11
RPC-JC-VCS-080		2	525	24,000	12.1	30,400	4.5	5.5	5.1	12
RPC-JC-VCS-100		2 ½	525	30,000	13.6	36,500	4.3	6.5	6.5	15
RPC-JC-VCS-120		3	600	35,500	13.0	41,000	4.3	7.5	5.6	13

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

¹ Cooling performance based on 80F DB and 67F WB entering air conditions.

² Heating performance at 68F entering air.

DIMENSIONAL DATA

OMEGA MODEL	DIMENSIONS (INCHES)					WATER CONNECTION		WEIGHT (LBS)
	A	B	C	D	E	OUTLET	INLET	
RPC-JC-VCS-030	14 1/4	15 7/8	33 7/8	3 3/8	22 3/4	1/2 FPT	1/2 FPT	70
RPC-JC-VCS-040	14 1/4	15 7/8	33 7/8	3 3/8	22 3/4	1/2 FPT	1/2 FPT	75
RPC-JC-VCS-050	17 1/4	19 1/8	32 1/2	4 1/8	20 7/8	1/2 FPT	1/2 FPT	85
RPC-JC-VCS-060	17 1/4	19 1/8	32 1/2	4 1/8	20 7/8	1/2 FPT	1/2 FPT	100
RPC-JC-VCS-080	17 1/4	19 1/8	32 3/4	4 1/8	21 1/8	3/4 FPT	3/4 FPT	125
RPC-JC-VCS-100	21 1/4	23 1/8	32 1/4	4 1/4	21 3/8	3/4 FPT	3/4 FPT	130
RPC-JC-VCS-120	21 1/4	23 1/8	32 1/4	4 1/4	21 3/8	3/4 FPT	3/4 FPT	135

