



# OMEGA VSCS

RPC  
SERIES



# OMEGA VSCS SERIES

## RPC SERIES

Omega VCS replacement chassis unit is the only OEM recommended replacement for the original Johnson Controls VSCS & VSCH 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.



Matching harness connectors and factory tested and fully charged, makes Omega the preferred replacement option.

## COMPARISON CHARTS

OMEGA VSCS		
OMEGA MODEL	REPLACES EXISTING MODEL	NOMINAL SIZE (TONS)
RPC-JC-VCS-030	VSCS09 / VSCH09	3/4
RPC-JC-VCS-040	VSCS12 / VSCH12	1
RPC-JC-VCS-050	VSCS15	1 ¼
RPC-JC-VC*-060	VSCS18 / VSCH18	1 ½
RPC-JC-VCS-080	VSCS24	2
RPC-JC-VCS-100	VSCS30	2 ½
RPC-JC-VCS-120	VSCS36	3

\* Available in a VCH variant to replace existing VSCH18 (R22) units.

### QUICK & EASY

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

### SAFETY

ETL certified replacement chassis comes standard with high-pressure & low-pressure safety switches, and freeze stat to protect unit and ensure trouble-free operation.

### 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. All new units come standard with Omega's 1-year parts and 5-year compressor warranty.

## STANDARD FEATURES

- Factory charged and tested
- High efficiency compressors
- High and Low-Pressure safety switches
- Freeze stat
- Ultra Quiet sound package - Noise Cancelling Base
- Thermal Expansion Valve (TXV) & Filter Drier
- Refrigerant service access ports
- Heavy gauge galvanized sheet metal
- 1-Year Parts and 5-Year Compressor Warranty



## OPTIONS & ACCESSORIES

- Auto-Flow Balancing valve
- Auto Shut-Off Control valve
- ECM Fan Blower Kits
- Controls Upgrade Retro-Fit Kits
- Geothermal Option
- Coated Air Coil for Formicary Corrosion Protection
- Anti-Corrosion Heat Exchanger
- Hose Connection Adapters
- Service Cover Panel (VSCH Units)
- Return Air Panel

## PERFORMANCE DATA

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-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	610	17,600	13.0	22,600	4.2	4.5	4.9	11
RPC-JC-VCS-080		2	820	24,000	12.1	30,400	4.5	5.5	5.1	12
RPC-JC-VCS-100		2 ½	1000	30,000	13.6	36,500	4.3	6.5	6.5	15
RPC-JC-VCS-120		3	1200	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

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

<sup>2</sup> 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 ¼	15 ⅞	33 ⅞	3 ⅜	22 ¾	½ FPT	½ FPT	70
RPC-JC-VCS-040	14 ¼	15 ⅞	33 ⅞	3 ⅜	22 ¾	½ FPT	½ FPT	75
RPC-JC-VCS-050	17 ¼	19 ⅞	32 ⅜	4 ⅞	21 ¾	½ FPT	½ FPT	85
RPC-JC-VCS-060*	17 ¼	19 ⅞	32 ⅜	4 ⅞	21 ¾	½ FPT	½ FPT	100
RPC-JC-VCS-080	17 ¼	19 ⅞	32 ¾	4 ⅞	21 ⅞	¾ FPT	¾ FPT	125
RPC-JC-VCS-100	21 ¼	23 ⅞	32 ¼	4 ¼	21 ⅜	¾ FPT	¾ FPT	130
RPC-JC-VCS-120	21 ¼	23 ⅞	32 ¼	4 ¼	21 ⅜	¾ FPT	¾ FPT	135

\*Also available in VCH-060 to replace existing R-22 model VSCH18

