



OMEGA VPCS PREMIUM

RPC
SERIES



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OMEGA VPCS

RPC SERIES

Omega VPCS replacement chassis unit is the only OEM recommended replacement for the original Johnson Controls high efficiency VPCS chassis units. The chassis is a direct drop-in for a fast, simple and easy installation. The Omega VPCS unit features an advanced control board, modern components and chassis noise cancelling base providing the user with silent, energy efficient, and reliable year-round operation.



Matching plug-n-play harness connectors, and upgraded control board with live status readings and data logging, makes Omega the preferred replacement option.

COMPARISON CHARTS

OMEGA VPCS		
OMEGA MODEL	REPLACES EXISTING MODEL	NOMINAL SIZE (TONS)
RPC-JC-VPCS-030	VPCS09	3/4
RPC-JC-VPCS-040	VPCS12	1
RPC-JC-VPCS-050	VPCS15	1 ¼
RPC-JC-VPCS-060	VPCS18	1 ½
RPC-JC-VPCS-080	VPCS24	2
RPC-JC-VPCS-100	VPCS30	2 ½
RPC-JC-VPCS-120	VPCS36	3

QUICK & EASY

Omega VPCS 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
- Premium Efficiency compressors and components
- High and Low-Pressure safety switches
- Temperature sensors
- 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 Blower Kits
- Geothermal Option
- Coated Air Coil for Corrosion Leak Protection
- Anti-Corrosion Heat Exchanger
- Hose Connection Adapters
- 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-VPCS-030	R410A	3/4	375	9,700	15.2	12,800	5.0	2.4	4.3	6
RPC-JC-VPCS-040		1	450	11,900	15.5	15,000	5.0	2.8	3.1	7
RPC-JC-VPCS-050		1 ¼	520	14,800	16.4	16,900	5.1	3.8	5.0	11
RPC-JC-VPCS-060		1 ½	700	18,400	16.0	21,400	5.6	5	9.9	23
RPC-JC-VPCS-080		2	850	24,300	16.0	28,900	5.7	6.2	5.1	12
RPC-JC-VPCS-100		2 ½	1075	30,100	16.6	34,000	5.6	7.5	6.3	14
RPC-JC-VPCS-120		3	1200	36,300	15.3	44,000	5.1	9	6.7	15

* 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-VPCS-030	17 ¼	19	43 ¼	4 ¾	20 ¾	½ FPT	½ FPT	100
RPC-JC-VPCS-040	17 ¼	19	43 ¼	4 ¾	20 ¾	½ FPT	½ FPT	110
RPC-JC-VPCS-050	17 ¼	19	43 ¼	4 ¾	20 ¾	½ FPT	½ FPT	115
RPC-JC-VPCS-060	17 ¼	19	43 ¼	4 ¾	20 ¾	½ FPT	½ FPT	135
RPC-JC-VPCS-080	21 ¼	19	43 ¼	4 ¾	20 ¾	¾ FPT	¾ FPT	155
RPC-JC-VPCS-100	21 ¼	19	43 ¼	4 ¾	20 ¾	¾ FPT	¾ FPT	165
RPC-JC-VPCS-120	21 ¼	19	43 ¼	4 ¾	20 ¾	¾ FPT	¾ FPT	170

