



**RPC
SERIES**



OMEGA VPCS PREMIUM



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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 harness connectors and factory tested and fully charged with R-410A, 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
- R-410A refrigerant
- 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
- Geothermal Option
- Coated Air Coil for Formicary Corrosion 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

