



**RPC
SERIES**

OMEGA HCA



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Omega HCA replacement chassis unit is an ideal replacement and upgrade for the old McQuay HCA units. The chassis unit and electrical box are a direct drop-in for the existing McQuay unit allowing for a fast, simple and easy installation.

The Omega HCA unit features modern components and an advanced microprocessor control 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.



QUICK & EASY

Omega HCA replacement chassis kit with electrical box are dimensionally identical to old McQuay HCA unit for a quick and easy installation. Simply remove old chassis and electrical box and install new Omega chassis kit. The HCA unit can now be wired to a remote mounted thermostat. Chassis comes with plug-n-play harnesses for quick connection to new electrical box. Water connections match existing cabinet 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, water temperature sensing for pre-emptive detection of water flow issues, and condensate overflow switch to protect against water leaks into occupant suite.

COMFORT & RELIABILITY

Quiet and reliable operation from the use of quality components and construction. High-efficient compressors and built-in noise compressor cancelling base ensures silent unit operation. Advanced microprocessor controller continuously monitors operation of the unit for fault-free start-ups and optimal operation. All new Omega units comes with our standard 1-year parts and 5-year compressor warranty.

COMPARISON CHART

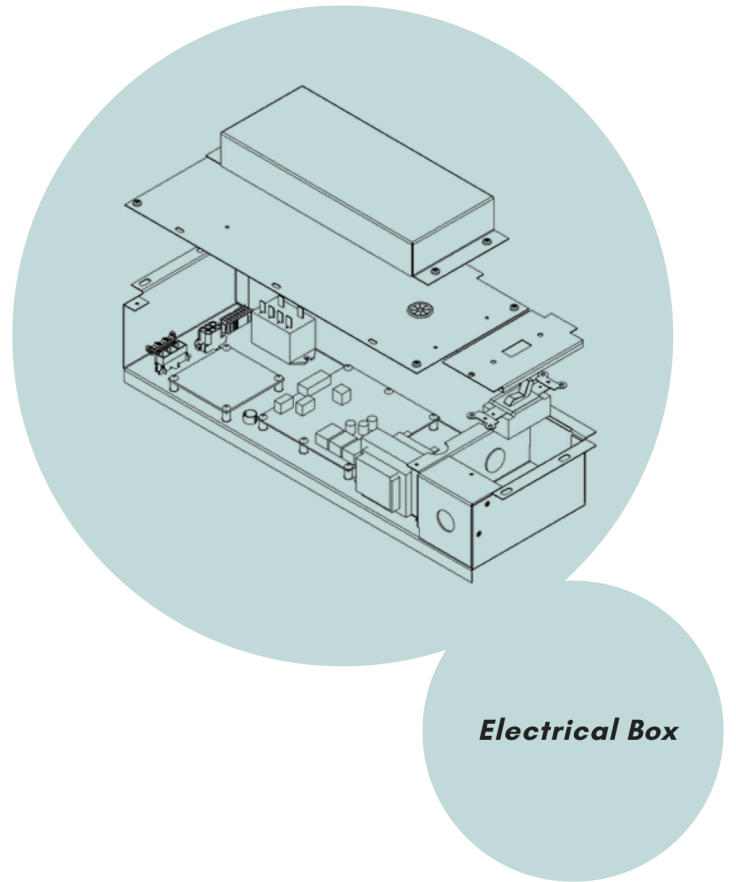
OMEGA HCA		
OMEGA MODEL	REPLACES EXISTING HCA MODEL*	NOMINAL SIZE (TONS)
RPC-MC-HCA-030	HC090A	3/4
RPC-MC-HCA-040	HC120A/HC140A	1
RPC-MC-HCA-060	HC200A	1 ½
RPC-MC-HCA-080	HC230A	2

*Only units without electric heat

NOTE: Replaces existing electrical box and controls with Omega electrical box kit

STANDARD FEATURES

- Factory charged and tested
- High efficiency compressors
- Electrical box with microprocessor controller
- Coated air coil for corrosion Protection
- Unit mounted power disconnect switch
- High and Low-Pressure safety switches
- Freeze Protection sensor
- Entering & Leaving water temperature sensors
- Thermal Expansion Valve (TXV) & Filter Drier
- Stainless Steel Drain Pan
- Refrigerant service access ports
- Heavy gauge galvanized sheet metal
- 1-Year Parts and 5-Year Compressor Warranty



OPTIONS & ACCESSORIES

- Remote mounted thermostat
- Auto-Flow balancing valve
- Auto Shut-Off Control valve

PERFORMANCE DATA

OMEGA MODEL	REFRIG.	SIZE (TONS)	NOMINAL CFM	COOLING*	HEATING*	NOMINAL GPM	WPD	
				BTUH ¹	BTUH ²		PSI	FT
RPC-MC-HCA-030	R410A	3/4	350	9,100	10,800	2.5	4.5	10.4
RPC-MC-HCA-040		1	420	11,000	14,100	3.0	3.7	8.5
RPC-MC-HCA-060		1 ½	625	17,600	21,400	4.5	7.0	16.1
RPC-MC-HCA-080		2	820	22,000	25,000	6.0	3.7	8.6

* 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)
	HEIGHT	WIDTH	DEPTH	OUTLET	INLET	
RPC-MC-HCA-030	41	18 3/4	12 3/4	1/2 FPT	1/2 FPT	70
RPC-MC-HCA-040				1/2 FPT	1/2 FPT	75
RPC-MC-HCA-060				1/2 FPT	1/2 FPT	103
RPC-MC-HCA-080				1/2 FPT	1/2 FPT	115

