

Colmac WaterHeat Air Source Technical Specifications

CxV	CxA-5	CxA-10	CxA-15	CxA-20	CxA-25	CxA-30
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Potable Water Circuit							
Inlet Connection (in)	0.75	0.75	1.5	1.5	1.5	1.5	1.5
Outlet Connection (in)	0.75	0.75	1.5	1.5	1.5	1.5	1.5
Minimum Water Temp. Differential (°F)	15	15	15	15	15	20	20
Design Flow Rate (gpm)	9	9	18	26	36	32	41
Unit External Head At Max Flow (ft-H2O)	27	27	28	17	4	15	1.5
Max Operating Water Pressure (psig)	150						
Water Circuit Volume (gal)	1	1	3.5	4.2	5.6	5.6	6.3
Internal Circ. Pump Material	304L stainless						
Internal Circ. Pump Horsepower	0.5						

Refrigeration Circuit							
Compressor	Hermetic Scroll						
Qty	1						
Horsepower	5	5	10	15	20	25	30
Refrigerant	R-410	R-134a					
Refrigerant Charge (lbs)	4	4	9	11	16	19	24
Max Operating Refrigerant Pressure (psig)	600	450					
Evaporator	Micro-channel						
Material	Aluminum						
Optional Coating	Electrocoat Evaporator Coating						
Condenser	Braze plate, double-wall, vented						
Plate Material	316L stainless						
Braze Material	Cu alloy						

Fan							
Standard Fan	AC Axial		ECM Axial		ECM Axial		
Material	Plastic Coated Steel						
Motor type	AC		ECM				
Motor horsepower	0.25	0.25	0.9		2		
Nominal Speed (rpm)	1400		1600				
Nominal Airflow (cfm)	4,000	4,000	4,000	4,000	10,000	10,000	10,000
Max. External Static (in-H2O)	0.1	0.1	0.1	0.1	0.5	0.5	0.5
Sound at 1 Meter dB(A)	71	71	74	74	80	80	80
High Static Pressure Fan Option	N/A		ECM Plenum				
Material	Steel, Aluminum						
Motor type	ECM						
Motor Horsepower	4.5						
Nominal Speed (rpm)	1540						
Nominal Airflow (cfm)			4,000	4,000	10,000	10,000	10,000
Max. External Static (in-H2O)			3.5	3.5	1.5	1.5	1.5
Sound at 1 Meter dB(A)			86	86	89	89	89

Misc.	
Controls	PLC, Modular
Cabinet Material	304L stainless
Optional Material	316L stainless

Weights and Dims							
Operating Weight, Axial/Plenum (lbs)	380	380	860/940	870/950	1350/1370	1490/1510	1500/1550
Crated Weight (lbs)	525	525	1,200	1,250	1,700	1,750	1,800
Crated Dims, LxWxH (in)	44x32x41	44x32x41	46x40x94	46x40x94	76x42x77	76x42x78	76x42x79