

Model #: EP2A-10
 Serial #: Q-27192011709

Year: 2017
 Size: 11 Tons

Outstanding Performance; Application Flexibility

EP2 Series Portable Chillers are available in capacities from 4 to 43 tons with air-cooled, water-cooled, or remote condensers models in a wide range of sizes to satisfy a wide-range of applications and process fluid cooling requirements.

Using quality components such as scroll compressors, micro-channel condensers, low-noise fans, stainless steel brazed plate evaporators, PLC controls, and color touch screen user interfaces, these chillers provide the best available technologies for unmatched performance and reliability in a chiller package.

Shipping Weight: 1,195 lbs

L: 6' 3"
 W: 2' 11"
 H: 5' 3"



Model EP2A-10
 (air-cooled, 10 ton capacity)

Dependable, Easy-to-Use, Wide Size Range

The Conair EP2 Series Portable Chillers offer superior performance with the combination of advance technologies, innovative design, and proven dependability to make this chiller the right choice for your process cooling needs.

Designed to perform and built to last, the EP2 controls are designed to be easy to understand and operate. These EP2 Series portable chillers provide a premium level of components for reliable, and simple operation.

In addition, our high-efficiency components and advanced options such as variable-speed compressors and fans provide energy savings options to meet the growing demands of increased efficiency and suitability in manufacturing.

► Simple operation and advanced monitoring from a new control

The EP2 Series Portable Chillers feature a 7-inch full color touchscreen HMI, with a sloped-stop enclosure, making viewing and operation quick and easy. Advanced monitoring, such as pump and compressor running hours, trending charts, and a digital pump pressure display, provide a wide range of useful information.

► Ready for severe-duty industrial cooling

The EP2 models are designed to meet severe-duty industrial cooling needs and provide additional resistance to harsh fluid conditions and operating environments. All EP2 chillers feature stainless steel pumps, stainless steel evaporators, and a process fluid circuit with corrosion-resistant materials to prevent rust and ensure clean, dependable operation for many years.

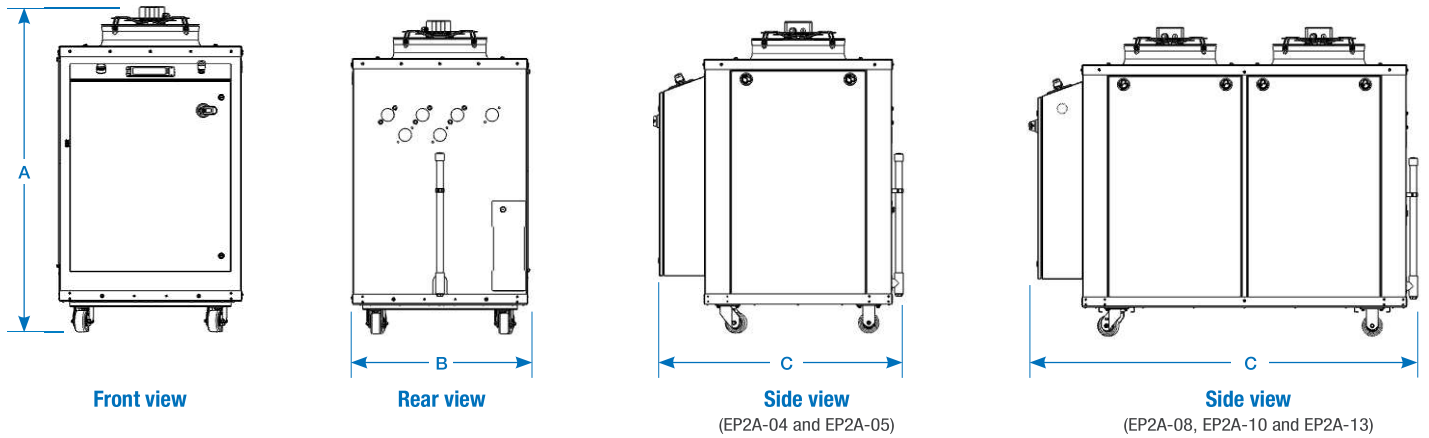
► Energy savings every day

From the standard high-efficiency scroll compressors, premium microchannel air-cooled condensers, and compact stainless steel evaporators to premium-efficiency EC condenser fan and variable-speed compressor options, Conair's EP2 Series Chillers offer the best available energy-savings through new technology and available options.

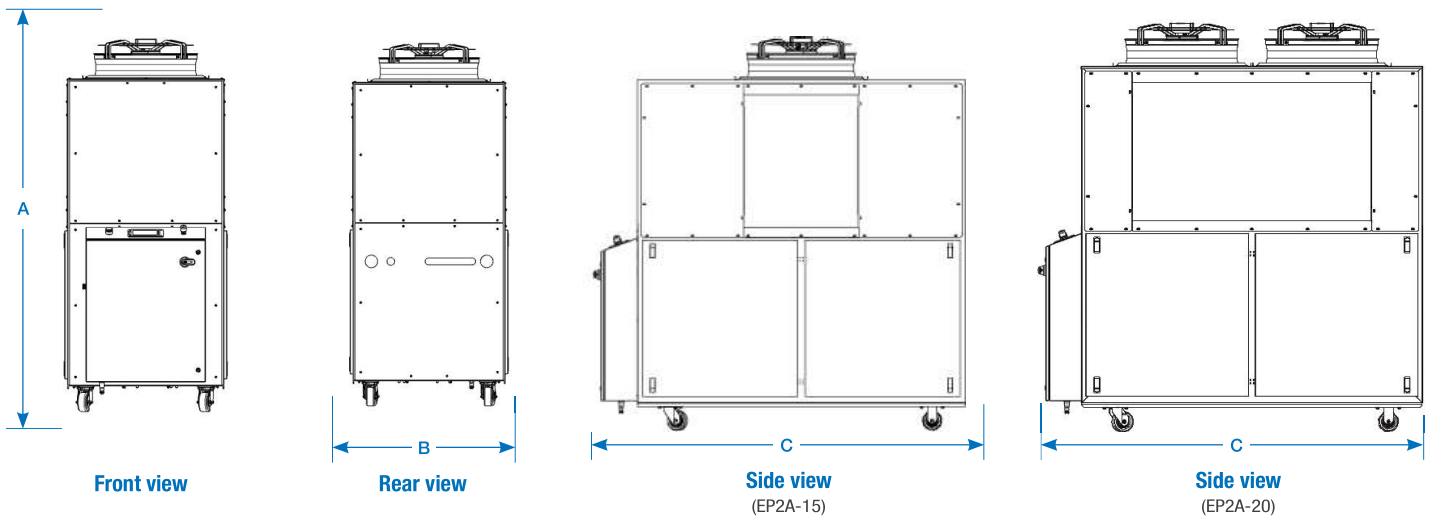


Specifications

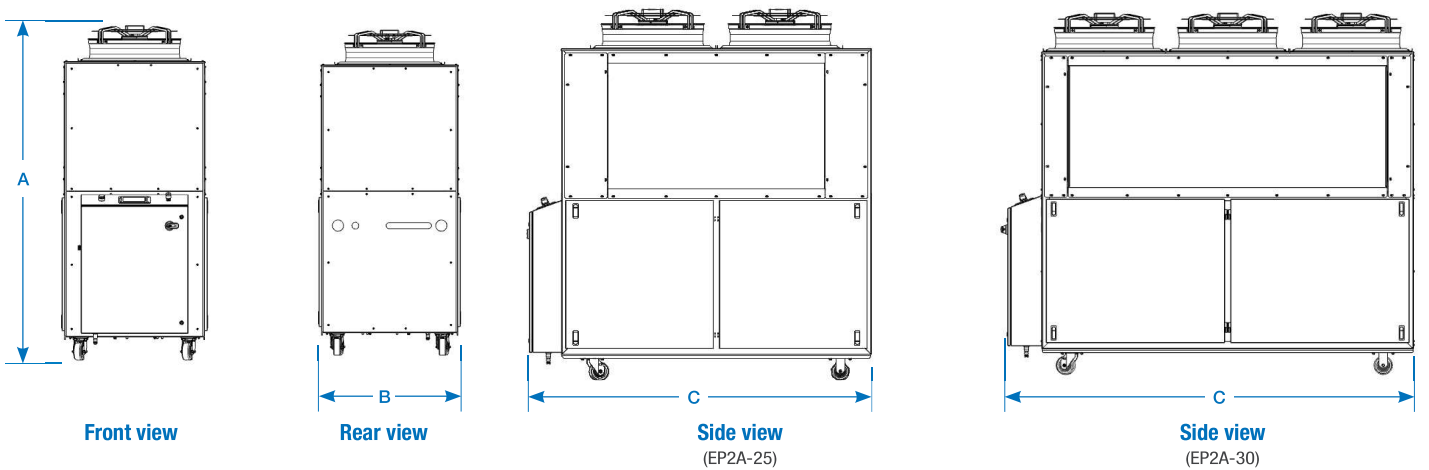
Air cooled: EP2A-04, EP2A-05, EP2A-08, **EP2A-10** and EP2A-13



Air cooled: EP2A-15 and EP2A-20



Air cooled: EP2A-25 and EP2A-30



Specifications

All specifications listed here reflect the standard product as configured with standard pump, evaporator, and hardware, and operating at environmental levels as noted below. For a more detailed list of specifications for unique circumstances or including EP2 options, refer to the Conair EP2 Product Data booklet, available on the Conair website or from your Conair representative.

Models	EP2A-04	EP2A-05	EP2A-08	EP2A-10	EP2A-13	EP2A-15	EP2A-20	EP2A-25	EP2A-30	
Condenser										
Performance characteristics										
Cooling capacity tons*	4.4	5.1	7.8	11.0	12.5	14.9	20.9	25.6	30.6	
Setpoint range °F {°C}	20 to 80 {-7 to 27}									
Refrigerant	R410A									
Condenser Air flow ft ³ /min	4000		8000		10,450		18,000	20,000	24,000	
Sound pressure dBA @ 1 meter†	73.8	74.0	75.8	76.2	82.2		84.4		85.9	
Minimum unloaded capacity tons	1.0	1.2	1.8	2.7	3.1	3.6	4.8	6.0	7.2	
Standard pump performance										
Pump motor size Hp {kW}	1.5 {1.1}		2 {1.4}		3 {2.2}		5 {3.7}			
Pump flow gpm {l/min}	11 {42}	12 {45}	19 {72}	27 {102}	30 {114}	36 {136}	48 {182}	60 {227}	72 {273}	
Net pump pressure psi {bar}‡	38 {2.6}	39 {2.6}	37 {2.5}	38 {2.6}	35 {2.4}	43 {2.9}	50 {3.4}		48 {3.3}	
Dimensions inches {mm}										
A - Height with standard fans	61 {1549}						94 {2388}			
A - Height with high pressure fans	N/A		63 {1600}					96 {2438}		
B - Width	35 {889}						41 {1041}			
C - Depth	48 {1219}		75 {1905}		87 {2210}		105 {2667}			
Power requirements 460/3 phase/60 Hz										
MCA [§] [Variable speed option]	16	18 {22}	26	31 {44}	37	44 {86}	58	70	83 {125}	
MOP [§] [Variable speed option]	25	30 {40}	45	60 {80}	70	80 {150}	80 {100}	100	125 {200}	
Water requirements										
Reservoir holding capacity gal {l}	11 {42}		22 {83}		40 {151}		50 {189}		67 {254}	
Process connections (NPT) inches	1.5						2.0			
Weight lb {kg}										
Shipping	720 {327}		1195 {542}		1215 {551}	3200 {1451}	3300 {1497}	3800 {1724}	4150 {1882}	
Models	EP2W-05	EP2W-08	EP2W-10	EP2W-15	EP2W-20	EP2W-25	EP2W-30	EP2W-35	EP2W-40	
Condenser										
Performance characteristics										
Cooling capacity tons*	5.5	8.1	12.0	16.5	22.6	28.1	33.3	38.9	43.4	
Setpoint range °F {°C}	20 to 80 {-7 to 27}									
Refrigerant	R410A									
Condenser water flow gpm {l/min}	17 {64}	24 {91}	36 {136}	48 {182}	65 {246}	82 {310}	96 {363}	111 {420}	124 {469}	
Sound pressure dBA @ 1 meter	69.8	70.3	71.3	73.3	73.7		74.7	76.6	78.1	
Minimum unloaded capacity tons	1.3	1.9	2.9	3.9	5.2	6.6	7.8	8.9	9.9	
Standard pump performance										
Pump motor size Hp {kW}	1.5 {1.1}		2 {1.4}		3 {2.2}		5 {3.7}			
Pump flow gpm {l/min}	13 {49}	20 {76}	29 {110}	39 {148}	54 {204}	67 {254}	79 {299}	92 {348}	102 {386}	
Net pump pressure psi {bar}‡	37 {2.5}	36 {2.5}	35 {2.4}	40 {2.7}	45 {3.1}	46 {3.1}	44 {3.0}	41 {2.8}	38 {2.6}	
Dimensions inches {mm}										
A - Height	54 {1372}						47 {1194}			
B - Width	35 {889}						41 {1041}			
C - Depth	48 {1219}		75 {1905}		87 {2210}		105 {2667}			
Power requirements 460/3 phase/60 Hz										
MCA [§] [Variable speed option]	16 {20}	23	28 {41}	40 {81}	49 {61}	61	69 {111}	74	78	
MOP [§] [Variable speed option]	30 {35}	40	50 {70}	70 {150}	70 {100}	90	100 {175}	110		
Water requirements										
Reservoir holding capacity gal {l}	11 {41.6}	22 {83}		50 {189}		67 {254}				
Process connections (NPT) inch	1.5						2.0	2.5		
Condenser connections (NPT) inch	1.5						2.5	3.0		
Weight lb {kg}										
Shipping	720 {327}		1195 {542}		1315 {596}	1900 {862}	2100 {953}	2250 {1021}	3400 {1542}	3900 {1769}
Specification Notes										
* Cooling tons based on 12,000 BTUH with 50°F {10°C} leaving coolant and 85°F {°C} condenser water.					§ MCA is Minimum Circuit Amps with standard condenser fan(s) and pump under full load, used for minimum wire size requirement.					
† Sound power shown is for standard high-efficiency constant speed AC fan motors. A high pressure variable speed EC motor fan option is available for EP2A and larger units.					§ MOP is Maximum Overcurrent Protection with standard condenser fans(s) and pump, used for sizing main power protection devices.					
‡ Net available pressure at outlet of chiller is pump discharge pressure less the internal pressure loss through the fluid circuit.					Standard units are design for 5K SCCR (short circuit current rating) RMS symmetrical amps.					
Specifications may change without notice. Consult a Conair representative for the most current information.										

