Model #: EP2A-10
Serial #: Q-25153011609

Year: 2016
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.


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

Shipping Weight: 1,195 lbs

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

## 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.

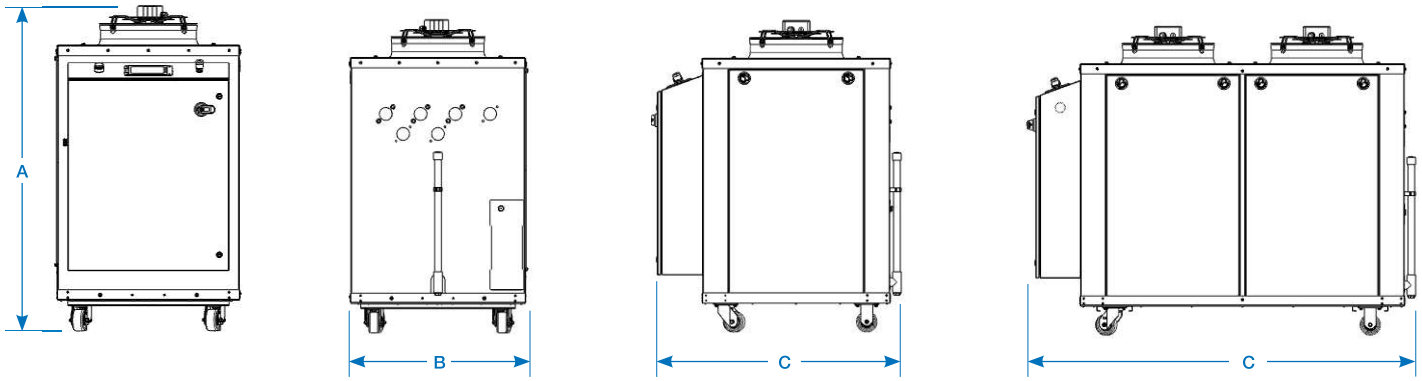
Designed to perform and built to last, the EP2 controls are designed to be easy to understand and operate. These EP2 Series portable chillers provide a premium level of components for reliable, and simple operation.

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 slopped-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 informantion.
- **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-effiencieny EC condenser fan and variable-speed compressor options, Conair's EP2 Series Chillers offer the best availalbe energy-savings through new technology and availalbe options.

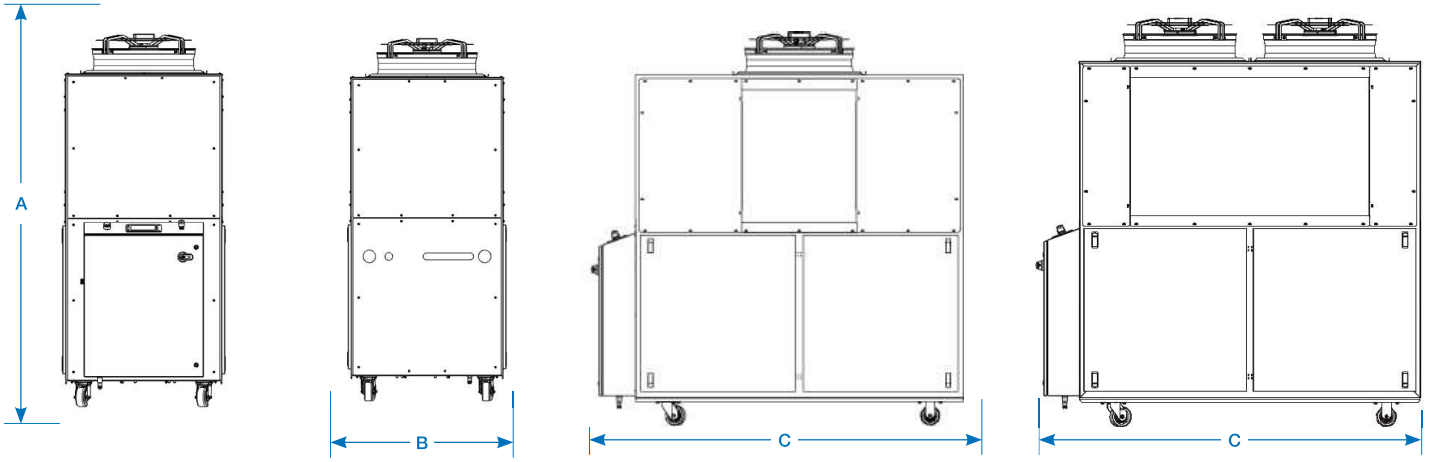
# Specifications

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



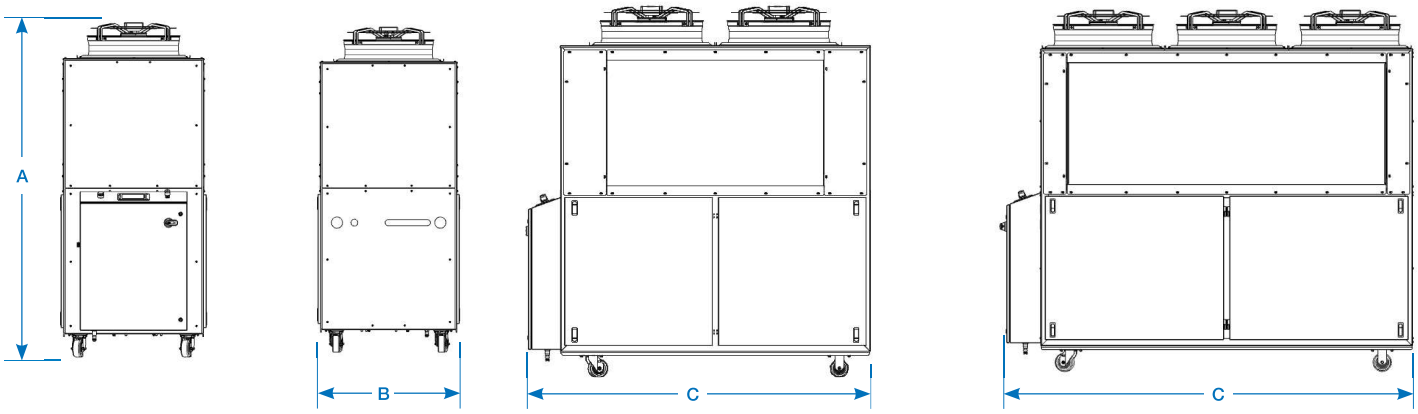

Front view | Rear view | Side view (EP2A-04 and EP2A-05) | Side view (EP2A-08, EP2A-10 and EP2A-13)

**Air cooled:** EP2A-15 and EP2A-20




Front view | Rear view | Side view (EP2A-15) | Side view (EP2A-20)

**Air cooled:** EP2A-25 and EP2A-30




Front view | Rear view | Side view (EP2A-25) | Side view (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* (indoor unit) | EP2R-05 | EP2R-08 | EP2R-10 | EP2R-15 | EP2R-20 | EP2R-25 | EP2R-30 | EP2R-35 | EP2R-40 |
|---|---|---|---|---|---|---|---|---|---|
| **Condenser** | Remote air cooled | | | | | | | | |
| **Performance characteristics** | | | | | | | | | |
| Cooling capacity tons† | 5.3 | 7.6 | 11.0 | 15.3 | 20.8 | 25.8 | 30.7 | 35.5 | 39.9 |
| Setpoint range °F {°C} | 20 to 80 {-7 to 27} | | | | | | | | |
| Refrigerant | R410A | | | | | | | | |
| 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 | 1.2 | 1.8 | 2.7 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 |
| **Standard pump performance** | | | | | | | | | |
| Pump motor size Hp {kW} | 1.5 {1.1} | | | 3 {2.2} | | 5 {3.7} | | | |
| Pump flow gpm {l/min} | 13 {49} | 18 {68} | 27 {102} | 36 {136} | 48 {182} | 61 {231} | 73 {276} | 83 {314} | 92 {348} |
| Net pump pressure psi {bar}‡ | 35 {2.4} | 36 {2.5} | 30 {2.1} | 48 {182} | 39 {2.7} | 57 {3.9} | 54 {3.7} | 53 {3.7} | 50 {3.4} |
| **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** | | | | | | | | | |
| MCA§ 460/3 phase/60 Hz | 16 | 23 | 28 | 40 | 49 | 61 | 69 | 74 | 78 |
| MOP§ 460/3 phase/60 Hz | 30 | 40 | 50 | 70 | | 90 | 100 | 110 | |
| **Water Requirements** | | | | | | | | | |
| Reservoir holding capacity gal {l} | 11 {41.6} | 22 {83} | | | 50 {189} | | 67 {254} | | |
| Process connections (NPT) inches | 1.5 | | | | | 2 | | 2.5 | |
| Refrigerant liquid line size in inch | 0.625 | | 0.875 | | | 1.125 | | 1.375 | |
| Refrigerant discharge line size in inch | 0.625 | | 0.875 | | | 1.125 | | 1.375 | |
| **Weight** lb {kg} | | | | | | | | | |
| Shipping | 720 {327} | 1195 {542} | | 1315 {596} | 1900 {862} | 2100 {953} | 2250 {1021} | 3400 {1542} | 3900 {1769} |

| Models* (outdoor unit) | EP2R-05 | EP2R-08 | EP2R-10 | EP2R-15 | EP2R-20 | EP2R-25 | EP2R-30 | EP2R-35 | EP2R-40 |
|---|---|---|---|---|---|---|---|---|---|
| **Condenser** | Remote condenser | | | | | | | | |
| **Performance characteristics** | | | | | | | | | |
| Condenser air flow ft³/min | 6870 | 6620 | 14400 | 24000 | 22600 | 20600 | 33900 | 32000 | 30900 |
| Sound pressure dBA @ 3 meters | 60.0 | | 62.0 | 72.0 | | | 73.0 | | |
| **Dimensions** inches {mm} | | | | | | | | | |
| A - Height | 48.125 {1222} | | | 54 {1372} | | | | | |
| B - Width | 43.625 {1108} | | | 45.625 {1159} | | | | | |
| C - Depth | 53.625 {1362} | | 93.625 {2378} | 125.750 {3194} | | | 180.750 {4591} | | |
| **Power requirements **** | | | | | | | | | |
| MCA§ 460/3 phase/60 Hz | 1.4 | | 2.6 | 7 | | | 10.1 | | |
| MOP§ 460/3 phase/60 Hz | 15 | | | | | | | | |
| **Water Requirements** | | | | | | | | | |
| Refrigerant liquid line size in inch | 0.875 | | 1.375 | 2.125 | | | 2.625 | | |
| Refrigerant discharge line size in inch | 1.125 | | | 1.375 | 1.625 | | 2.625 | | |
| **Weight** lb {kg} | | | | | | | | | |
| Shipping | 245 {111} | 265 {120} | 415 {188} | 680 {308} | 720 {327} | 1050 {476} | 1075 {488} | 1175 {533} | 1450 {658} |

## Specification Notes

* Remote condenser operation requires both indoor and outdoor unit.

† Cooling tons based on 12,000 BTUH with 50˚F {10˚C} leaving water temp. and 95˚F {32˚C} ambient air temperature.

‡ Net available pressure at outlet of chiller is pump discharge pressure less internal coolant circuit pressure losses.

§ MCA is Minimum Circuit Amps with standard pump under full load, used for minimum wire size requirement.

§ MOP is Maximum Overcurrent Protection with standard pump, used for sizing main power protection devices. Standard units are design for 5K SCCR (short circuit current rating) RMS symmetrical amps.

** Condenser power requirements may require two independent wiring drops for dual refrigerant circuit systems. Check condenser installation manual for specific wiring requirements before installation.

Specifications may change without notice. Consult a Conair representative for the most current information.