



3-ton Air-Cooled Chiller

Standard Features

Direct-Drive Scroll Compressors

Direct drive hermetically sealed scroll compressors with their proven reliability in industrial cooling for outstanding performance, low-maintenance, and efficiency operation.

Stainless Steel Evaporators

High-efficiency stainless steel plates with copper brazing provide maximum performance, long life, and an enhanced level of corrosion protection for harsh process conditions.

Stainless Steel Pump

Stainless steel pump selected for peak performance with the utmost in corrosion protection to ensure a long useful life under severe industrial conditions.

Nonferrous Reservoir and Water Lines

The insulated reservoir, fluid lines, pumps, and other components in the process fluid circuit will remain free of rust to provide maximum corrosion protection.

Evaporator Inlet Strainer

The evaporator inlet strainer removes any debris present in the process fluid to prevent costly downtime and repair due to a clogged chiller evaporator.

Wide Ambient Range

A wide range of sizes with air-cooled, water-cooled, or remote air-cooled condensers for indoors and air-cooled outdoors chillers fit a variety of applications.

Compressor Protection Technology

Our compressor protection technology with compressor start-to-start anti-recycle control logic limits compressor cycling under low-loads to extend compressor life.

Temperature Deviation Warnings and Alarms

A warning alerts the operator of a potential problem before a fault occurs and if the condition gets worse, an alarm stops the chiller to prevent damage.

Deviation Alarm Time Delays

Provides a 30 minutes start-up alarm time delay to deactivate the alarms long enough for the process loop to stabilize before activating the alarms.



3-ton Water-Cooled Chiller (with side and top panels removed)



Standard Controller

Available Options

- High flow / high pressure pumps
- Alarm horn
- Alarm relay
- Automatic water make-up
- Auto start contacts
- Branch circuit fusing
- C-UL508A control panel
- Hand-held remote control with 50 foot cable
- High temperature set point range (up to 80°F)
- Low level light and alarm
- Phase monitor and alarm
- Return fluid temperature display
- Special color paint
- SPI communications

Warranty

- 5 year parts on microprocessor
- 1 year parts on entire unit
- 1-year labor
- Lifetime \$175 controller exchange after 5 years

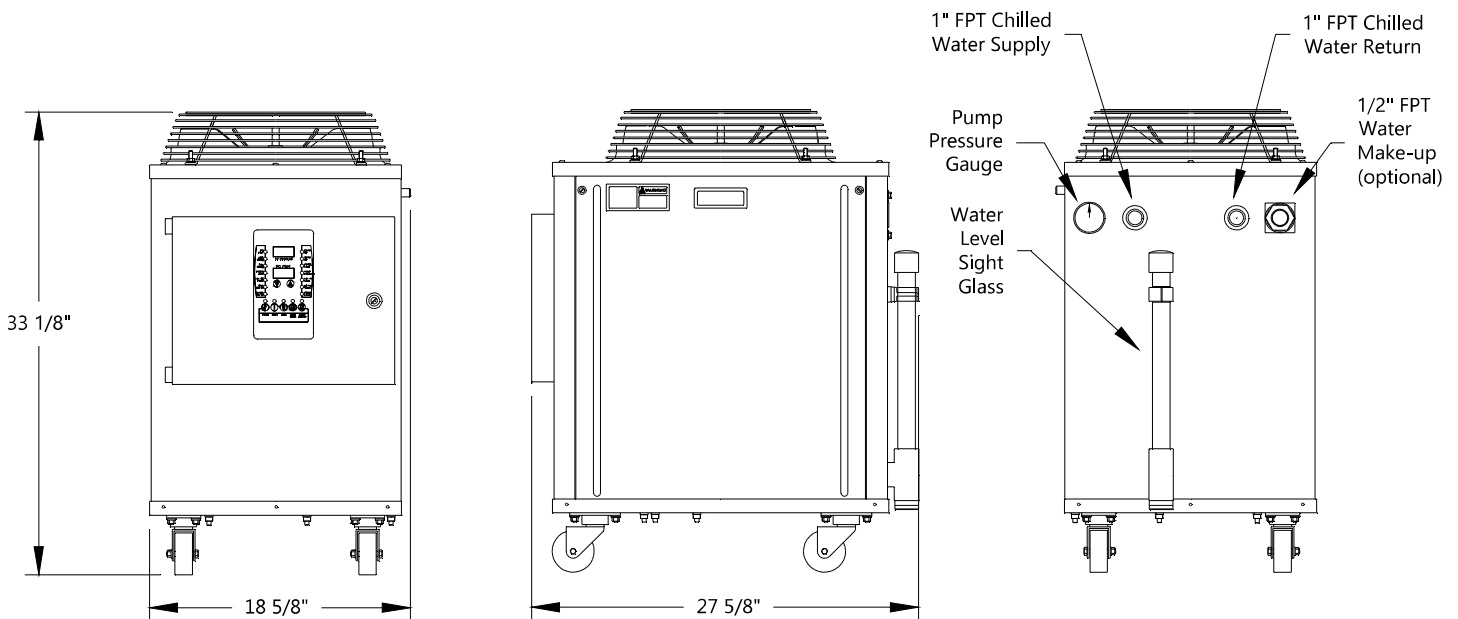
Air-Cooled Portable Chiller (single-phase)

Model	Cooling Capacity (tons) ¹	Set Point Range (°F)	Condenser Air Flow (cfm)	Pump Motor Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 230/1/60 (amps) ²	MOP @ 230/1/60 (amps) ³	Reservoir Capacity (gal)	Shipping Weight (lbs)
EQ3A01	1	20 to 65	1,110	1/4	2	80	11	20	3	255

¹Cooling tons based on using R-407c refrigerant with 12,000 BTU/Hr/ton with 50°F leaving coolant and 95°F ambient air.

²MCA is Minimum Circuit Amps with standard condenser fan and pump under full load, used for minimum wire size requirement.

³MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection devices. Standard units are design for 5K SCCR (short circuit current rating) RMS symmetrical amps.



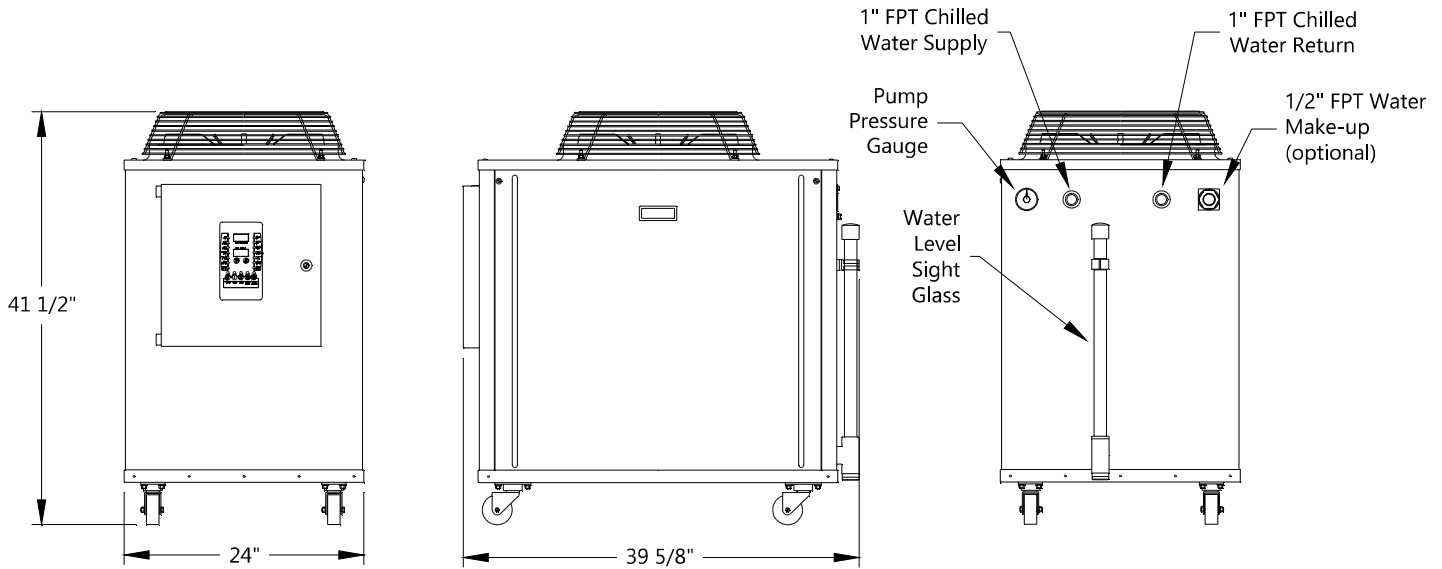
Air-Cooled Portable Chillers (three-phase)

Model	Cooling Capacity (tons) ¹	Set Point Range (°F)	Condenser Air Flow (cfm)	Pump Motor Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 460/3/60 (amps) ²	MOP @ 460/3/60 (amps) ³	Reservoir Capacity (gal)	Shipping Weight (lbs)
EQ2A02	2	20 to 65	1,585	1	5	39	8	15	11	420
EQ2A03	3	20 to 65	2,470	1	7	38	11	20	11	430

¹Cooling tons based on using R-407c refrigerant with 12,000 BTU/Hr/ton with 50°F leaving coolant and 95°F ambient air.

²MCA is Minimum Circuit Amps with standard condenser fan and pump under full load, used for minimum wire size requirement.

³MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection devices. Standard units are design for 5K SCCR (short circuit current rating) RMS symmetrical amps.



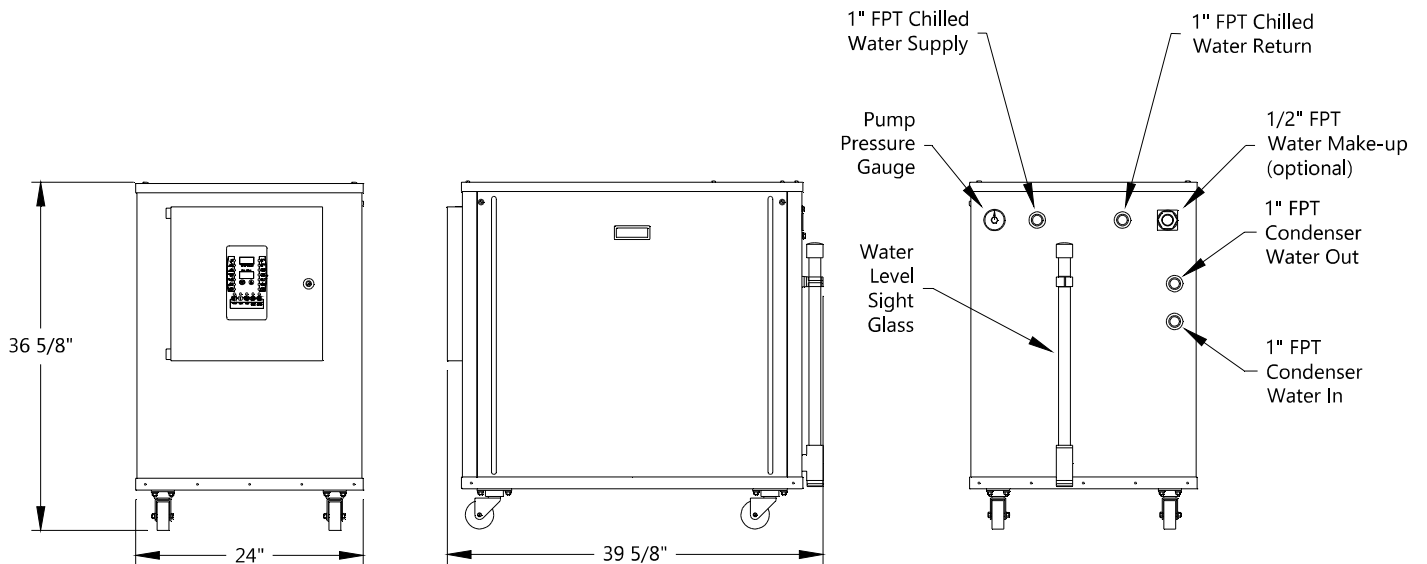
Water-Cooled Portable Chillers (three-phase)

Model	Cooling Capacity (tons) ¹	Set Point Range (°F)	Condenser Water Flow (gpm)	Pump Motor Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 460/3/60 (amps) ²	MOP @ 460/3/60 (amps) ³	Reservoir Capacity (gal)	Shipping Weight (lbs)
EQ2W02	2.2	20 to 65	7	1	5	39	8	15	11	420
EQ2W03	3.3	20 to 65	10	1	8	38	11	20	11	430

¹Cooling tons based on using R-407c refrigerant with 12,000 BTU/Hr/ton with 50°F leaving coolant and 85°F condenser water.

²MCA is Minimum Circuit Amps with standard condenser fan and pump under full load, used for minimum wire size requirement.

³MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection devices. Standard units are design for 5K SCCR (short circuit current rating) RMS symmetrical amps.



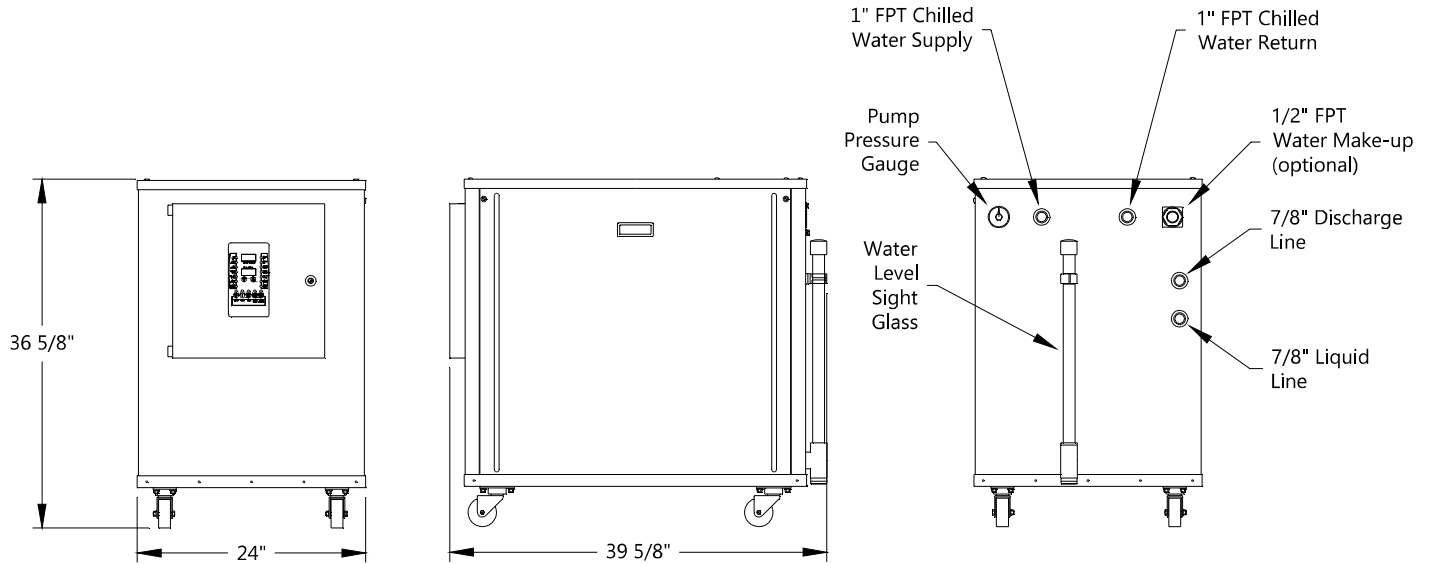
Remote Air-Cooled Condenser Portable Chiller (three-phase)

Model	Cooling Capacity (tons) ¹	Set Point Range (°F)	Pump Motor Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 460/3/60 (amps) ²	MOP @ 460/3/60 (amps) ³	Reservoir Capacity (gal)	Shipping Weight (lbs)
EQ2R03	3	20 to 65	1	7	38	11	20	11	430

¹Cooling tons based on using R-407c refrigerant with 12,000 BTU/Hr/ton with 50°F leaving coolant and 95°F ambient air.

²MCA is Minimum Circuit Amps with standard condenser fan and pump under full load, used for minimum wire size requirement.

³MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection devices. Standard units are design for 5K SCCR (short circuit current rating) RMS symmetrical amps.

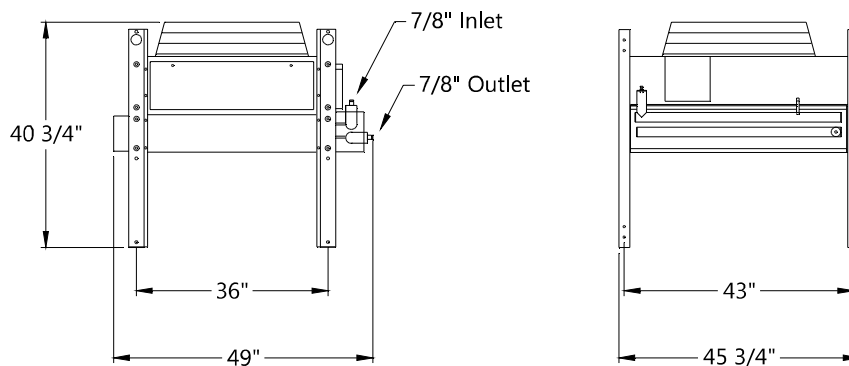


Remote Air-Cooled Condenser (single-phase)

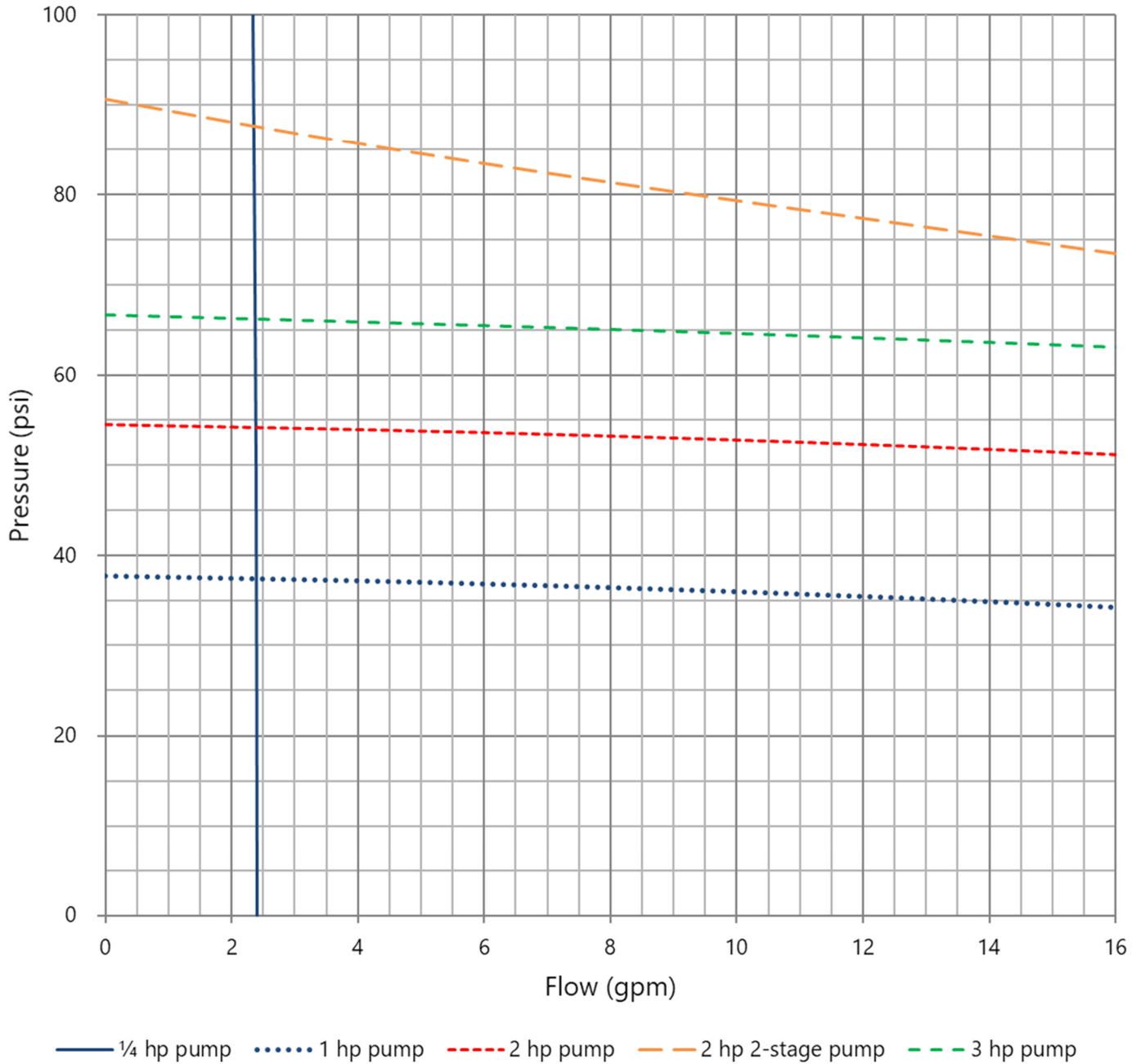
Model	Chiller used with	Condenser air flow (cfm)	Condenser fan (qty)	Condenser fan motor (hp)	MCA @ 230/1/60 (amps) ¹	MOP @ 230/1/60 (amps) ²	Shipping Weight (lbs)
LAVB11210	EQ2R03	6,750	1	1/2	3	15	565

¹MCA is Minimum Circuit Amps as provided by the remote condenser manufacturer, used for minimum wire size requirement.

²MOP is Maximum Overcurrent Protection as provided by the remote condenser manufacturer, used for sizing main power protection devices.



Pump Curves (60 Hz)
Water at 50°F



Unit MCA @ 460/3/60 with Optional Pump Sizes

Pump	1 HP	2 HP	2 HP, 2-stage	3 HP
EQ3A01	---	---	---	---
EQ2A02	9	10	10	12
EQ2W02	8	9	9	11
EQ2A03	12	13	13	15
EQ2R03	11	12	12	14
EQ2W03	11	12	12	14



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