



3-ton Air-Cooled Chiller

### Standard Features

#### Direct-Drive Scroll Compressors

Direct drive hermetically sealed scroll compressors with proven performance in industrial cooling for reliable, low maintenance, and efficient 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.

#### Compressor Protection Technology

Our compressor protection technology uses start-to-start anti-recycle control logic to limit cycling under low-load operating conditions 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 an adjustable alarm time delay to deactivate the alarms long enough for the process loop to stabilize before the alarms are active.



Standard Controller

#### Available Options

- Larger pumps
- Alarm horn
- Alarm relay
- Automatic make-up
- Auto start contacts
- Branch circuit fusing
- C-UL508A industrial control panel
- High temperature set point (up to 80°F)
- Reservoir low level light and alarm
- Main power phase monitor and alarm
- Return fluid temperature display

# Accuchiller EQ Portable Chiller

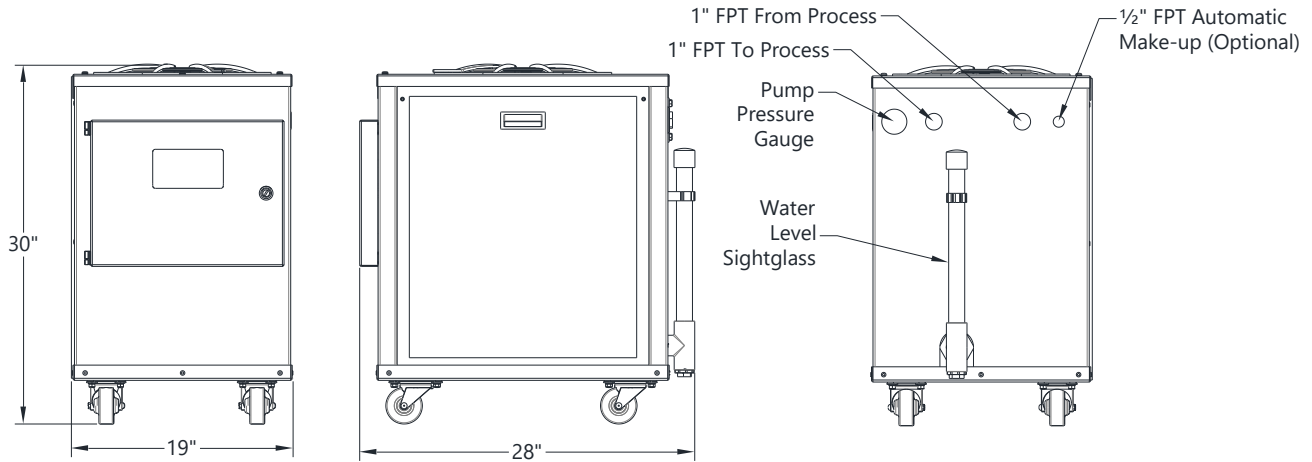
## Air-Cooled Condenser Chiller

Model	Cooling Capacity (tons) <sup>1</sup>	Set Point Range (°F)	Compressor (qty)	Pump Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 230/1/60 (amps) <sup>2</sup>	MOP @ 230/1/60 (amps) <sup>3</sup>	Reservoir Capacity (gal)	Shipping Weight (lbs)	Operating Weight (lbs)
EQ3A01	1	20 to 65	1	¼	2	80	11	20	3	255	280

<sup>1</sup>Cooling tons based on 12,000 BTU/Hr/ton with 50°F leaving coolant and 95°F ambient air, R407c refrigerant.

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

<sup>3</sup>MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection device.



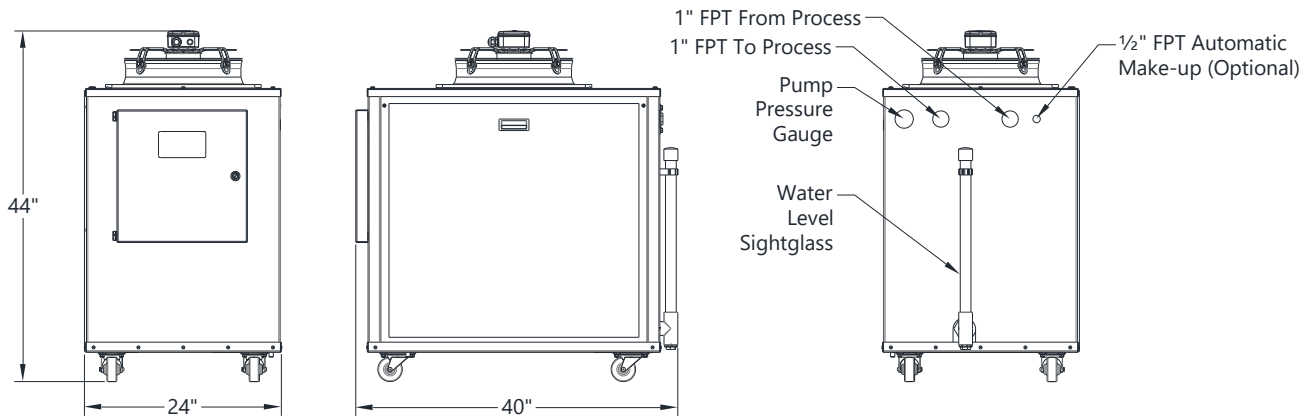
## Air-Cooled Condenser Chillers

Model	Cooling Capacity (tons) <sup>1</sup>	Set Point Range (°F)	Compressor (qty)	Pump Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 460/3/60 (amps) <sup>2</sup>	MOP @ 460/3/60 (amps) <sup>3</sup>	Reservoir Capacity (gal)	Shipping Weight (lbs)	Operating Weight (lbs)
EQ2A02	2	20 to 65	1	1	5	39	8	15	11	420	510
EQ2A03	3	20 to 65	1	1	7	38	11	20	11	430	520

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

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

<sup>3</sup>MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection device.



# Accuchiller EQ Portable Chiller

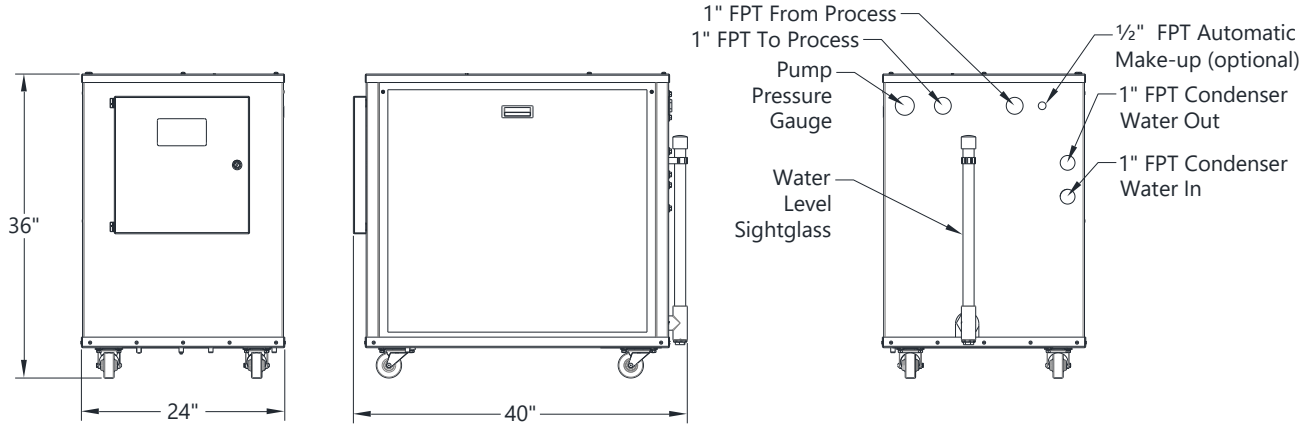
## Water-Cooled Condenser Chillers

Model	Cooling Capacity (tons) <sup>1</sup>	Set Point Range (°F)	Compressor (qty)	Pump Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 460/3/60 (amps) <sup>2</sup>	MOP @ 460/3/60 (amps) <sup>3</sup>	Reservoir Capacity (gal)	Shipping Weight (lbs)	Operating Weight (lbs)
EQ2W02	2	20 to 65	1	1	5	39	8	15	11	420	510
EQ2W03	3	20 to 65	1	1	8	38	11	20	11	430	520

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

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

<sup>3</sup>MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection device.



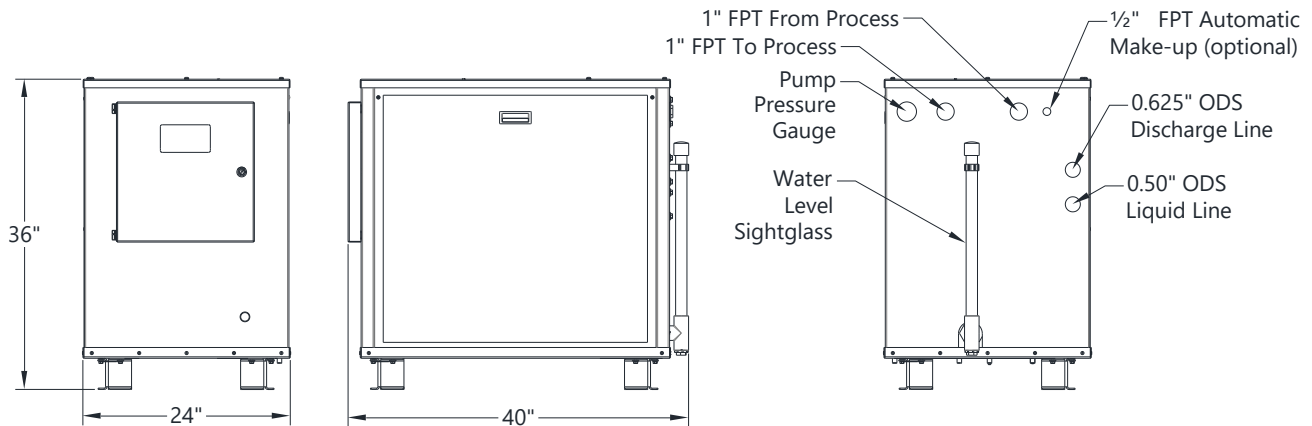
## Remote Air-Cooled Condensers

Model	Cooling Capacity (tons) <sup>1</sup>	Set Point Range (°F)	Compressor (qty)	Pump Size (hp)	Pump Flow (gpm)	Pump Pressure (psi)	MCA @ 460/3/60 (amps) <sup>2</sup>	MOP @ 460/3/60 (amps) <sup>3</sup>	Reservoir Capacity (gal)	Shipping Weight (lbs)	Operating Weight (lbs)
EQ2R03	3	20 to 65	1	1	7	38	11	20	11	430	520

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

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

<sup>3</sup>MOP is Maximum Overcurrent Protection with standard condenser fans and pump, used for sizing main power protection devices.



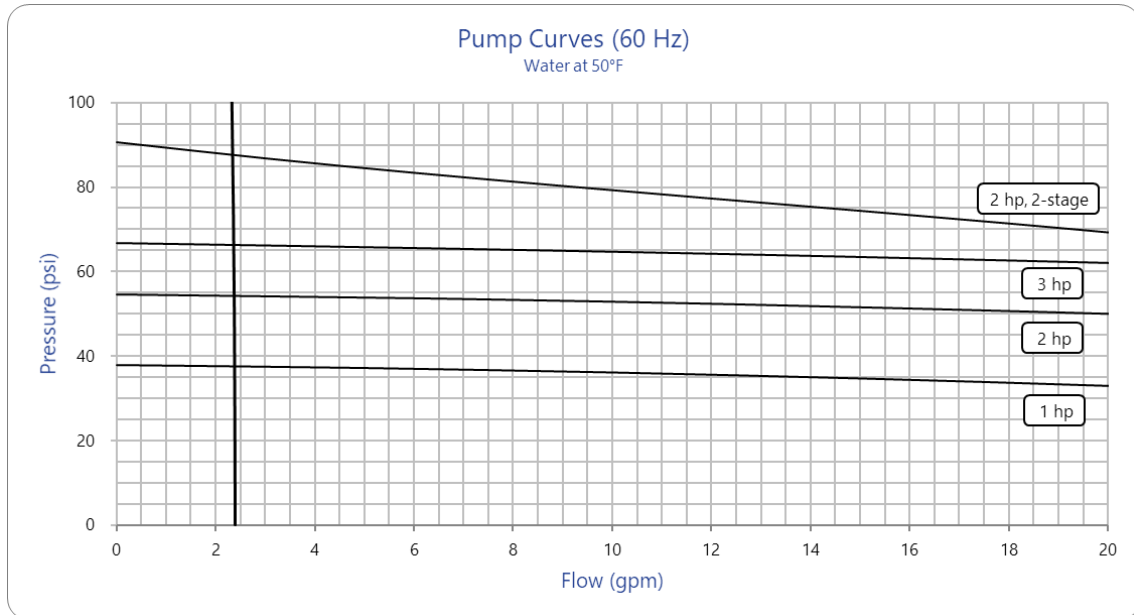
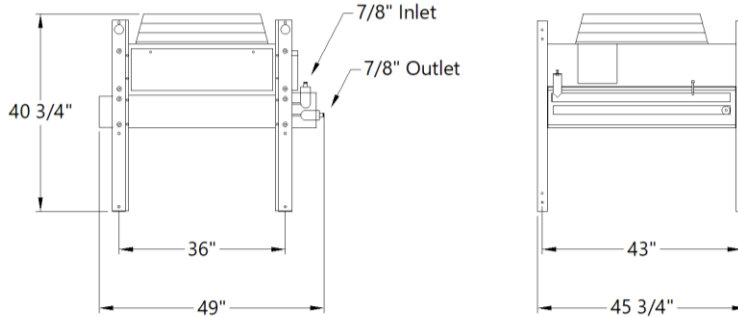
# Accuchiller EQ Portable Chiller

## Remote Air-Cooled Condenser

Model	Chiller used with	Condenser fan (qty)	MCA @ 230/1/60 (amps) <sup>1</sup>	MOP @ 230/1/60 (amps) <sup>2</sup>	Shipping Weight (lbs)	Operating Weight (lbs)
LAVB11210	EQ2R03	1	3	15	565	Varies based on system charge and operating conditions

<sup>1</sup>MCA is Minimum Circuit Amps, used for minimum wire size requirement.

<sup>2</sup>MOP is Maximum Overcurrent Protection, used for sizing main power protection devices.



### 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



5680 W. Jarvis Ave • Niles, IL 60714  
847-966-2260 • info@thermalcare.com  
[www.thermalcare.com](http://www.thermalcare.com)

**Thermal Care is ISO-9001 Certified**  
Manufacturer reserve the right to change specification or design without notification or obligation

EQ Specification 01