



Model: ACWC-060-Q-ST<sup>1</sup>-\_\_<sup>2</sup>-\_\_<sup>3</sup>-\_\_<sup>4</sup>

## Description:

Single stage air-cooled portable water chiller system. System capacity indicated on table is the approximate BTU/hr based on a leaving fluid temperature of 50°F with an ambient air temperature of 95°F.

| CAPACITY<br>±5% AT 50° LCWT / 95°F AMBIENT |              | 60,000 BTU /HR                  |         |     |      |    |
|--------------------------------------------|--------------|---------------------------------|---------|-----|------|----|
| COMPRESSOR / REFRIGERANT                   |              | HERMETIC SCROLL / R410A         |         |     |      |    |
| CONDENSER FANS / AIRFLOW                   |              | 1 / 3868 CFM                    |         |     |      |    |
| CONDENSER COILS TYPE                       |              | COPPER TUBE / ALUMINUM FIN      |         |     |      |    |
| EVAPORATOR TYPE                            |              | STAINLESS STEEL / COPPER BRAZED |         |     |      |    |
| FLUID CONNECTIONS                          |              | 1" MNPT (IN/OUT)                |         |     |      |    |
| ELECTRICAL:                                | V - Ø - HZ   | COMP RLA / LRA                  | FAN FLA | MCA | MOCP |    |
| - 2                                        | 230 - 1 - 60 | 26.4                            | 134     | 1.2 | 34.2 | 60 |
| - 5                                        | 230 - 3 - 60 | 16                              | 110     | 1.3 | 21.3 | 35 |
| - 6                                        | 460 - 3 - 60 | 7.8                             | 52      | 0.6 | 10.3 | 15 |
| DIMENSIONS                                 |              | 50 ½" L x 38 ½" W x 57" H       |         |     |      |    |
| WEIGHT (APPROX.)                           |              | 600 LBS                         |         |     |      |    |

Note: All specifications subject to change without notice. Specify voltage and ambient condition upon ordering.

MCA: Minimum circuit amps per UL 1995. MOCP: Maximum overcurrent protective device per UL 1995.

## STANDARD FEATURES:

- **Controls:** Electronic programmed temperature controller with constant (set point & process) temperature readout.
- **Refrigeration Components:** Efficient scroll compressors, sight glass/moisture indicators, balanced port expansion valves, filter drier, pump down valves, fan cycling head pressure controls.
- **Process Fluid Components:** Bronze "Y" strainer with 20 mesh stainless steel screen.
- **Safety Controls:** High and low refrigerant pressure, high and low fluid temperature, freeze, low water flow, overloads for compressor and fan motors.
- **Construction:** Welded steel powder coated frame and full metal cabinet, copper piping connections.
- **Warranty:** One year parts / five year compressor.

## SUITABLE AMBIENT CONDITIONS/FEATURES:

- **IND:** Indoor use only. Casters on frame.
- **40:** Suitable for outdoor use with an ambient of 40°F ambient.
- **0:** Suitable for outdoor use to 0°F ambient. Includes low ambient fan speed controls with (LT) models.
- **M20:** Suitable for outdoor use to -20°F ambient. Includes low ambient fan speed controls with hot gas bypass. Internal wind baffles, optional.

<sup>1</sup> Flow Design (\_\_=Portable, ST=Stationary, RF=Reverse Flow, EXCH=Extra Heat Exchanger, DP=Dual Pump, DR=Dual Return)

<sup>2</sup> Leaving Fluid Temperature (\_\_=Standard, LT=Low Temperature-specify lowest temperature in °F)

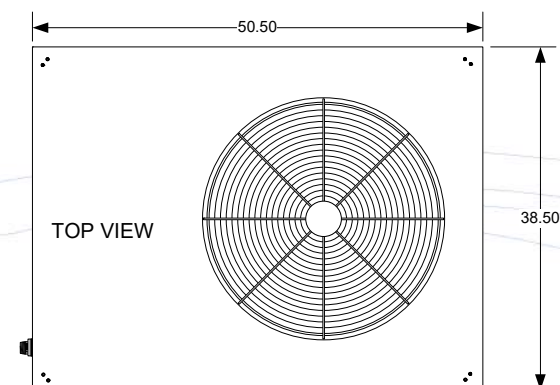
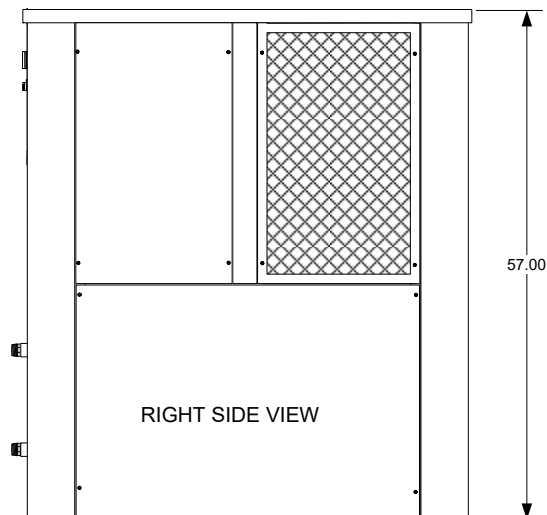
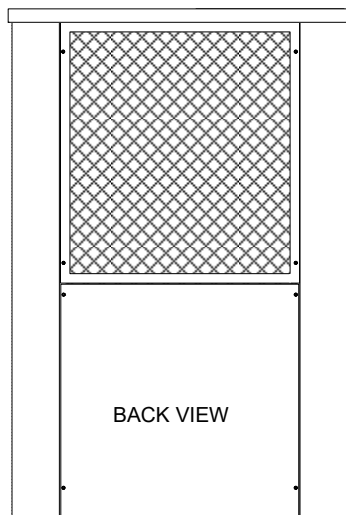
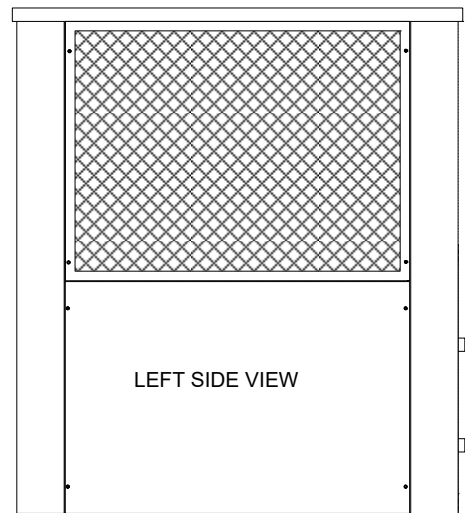
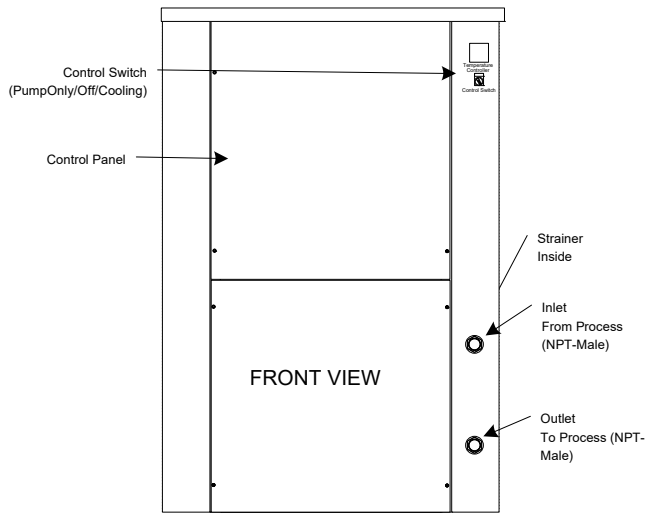
<sup>3</sup> Ambient Temperature Conditions (see above)

<sup>4</sup> Electrical Power Code (see above)



# TECHNICAL SPECIFICATION

WWW.WATERCHILLERS.COM



## NOTES

- Unit should be installed with at least 2' clearance on all sides and a minimum of 5' clear air space above the unit
- Dimensions are approximate. (inches)
- Casters (Optional)
- All specifications subject to change without notice.

## COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 5/28/2020

SIZE

A

DIMENSION NOTES

Dimensions are in inches  
Unless otherwise specified,  $\pm 1/4"$

DWG NO

INSTALLATION DRAWING  
ACWC-060-Q- (Typical)

REV

1

SCALE

NONE

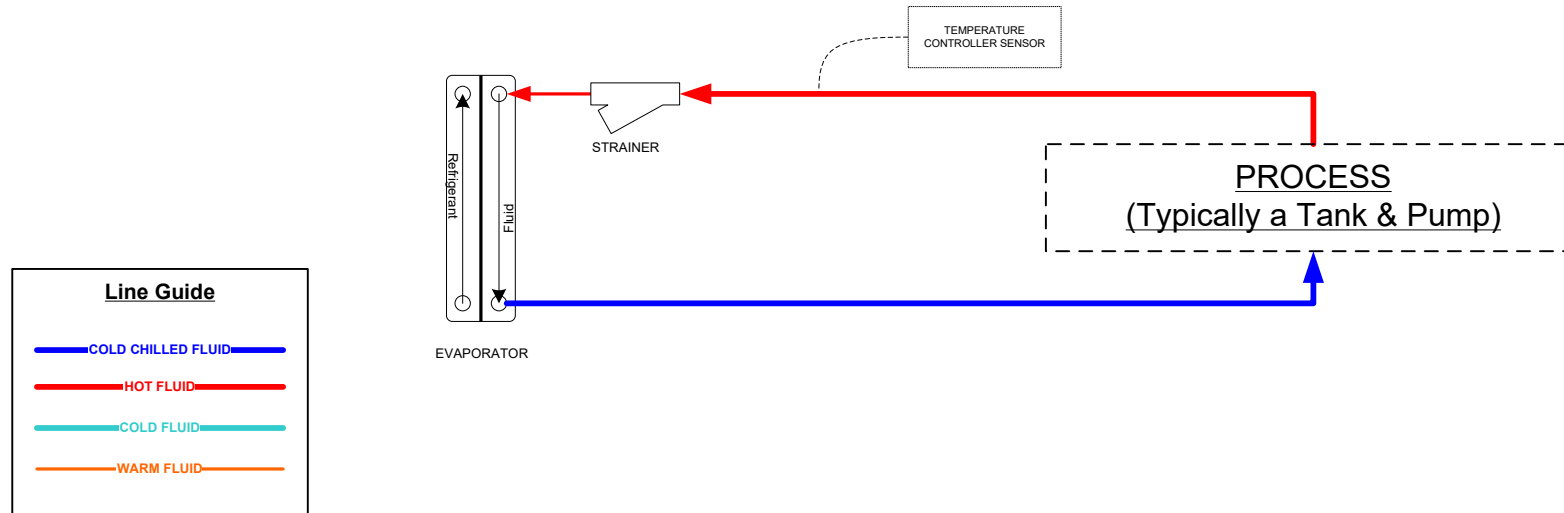
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SHEET

2 / Front-Back-Top-Sides-Q-ST



## STATIONARY (ST)



# COLD SHOT CHILLERS

DRAWN

ENGINEERING

ISSUED

5/2020

SIZE

A

SCALE

NONE

### NOTES

- All designs are subject to change without notice.
- The diagrams are to be used as a basic flow diagram only.
- Color Code is for relative temperature comparison.
- Additional components may be included.
- Evaporator may be located in tank.

DESCRIPTION

**Typical FLOW OPTIONS for Chiller Circuits**

REV

1

DWG-CKT\_ChillerCircuitFlowOptions-Typical\_(0520).vsd

SHEET

5 / Stationary (ST)