

Cold Shot Chillers

"ECONOMICALLY PRICED DEPENDABILITY"



TECHNICAL SPECIFICATION

Model: ACWC-060-Q-ST¹-__²-__³-__⁴

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		60,000 BTU /HR				
±5% AT 50° LCWT / 95°F AMBIENT						
COMPRESSOR / REFRIGERANT		HERMETIC SCROLL / R410A				
CONDENSER FANS / AIRFLOW		1 / 3500 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
-1	575 - 3 - 60	5.7	38.9	0.5	7.6	15
- 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.)		500 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, optional.
- **40:** Suitable for outdoor use with an ambient of 40°F ambient. Casters, optional.
- **0:** Suitable for outdoor use to 0°F ambient. Includes low ambient fan speed controls with (LT) models. Casters, optional.
- **M20:** Suitable for outdoor use to -20°F ambient. Includes with low ambient fan speed controls with hot gas bypass. Casters, optional.

¹ Flow Design (__=Portable, ST=Stationary, RF=Reverse Flow, EXCH=Extra Heat Exchanger, DP=Dual Pump, DR=Dual Return)

² Leaving Fluid Temperature (__=Standard, LT=Low Temperature-specify lowest temperature in °F)

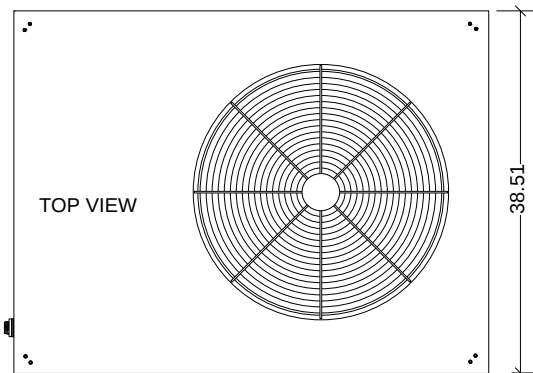
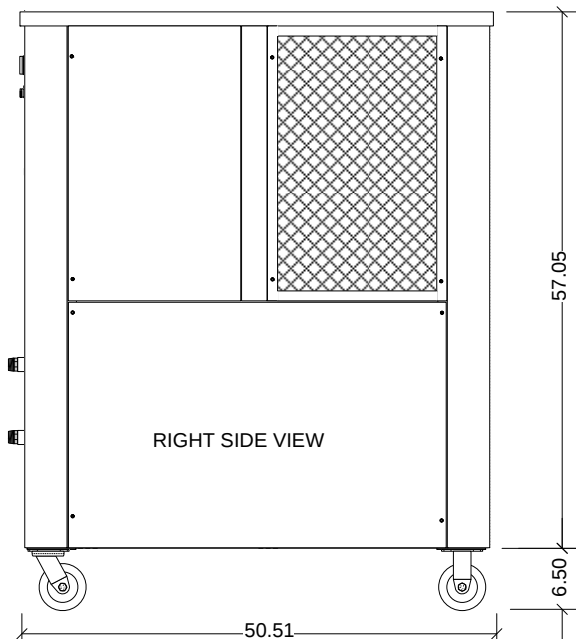
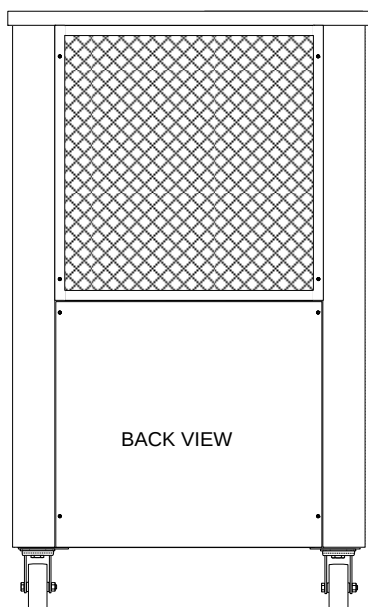
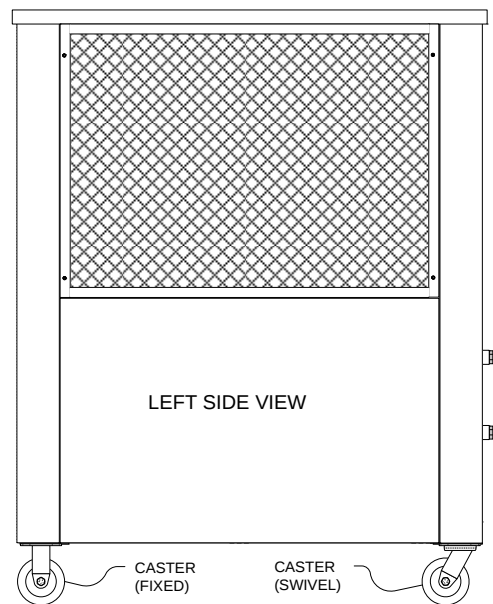
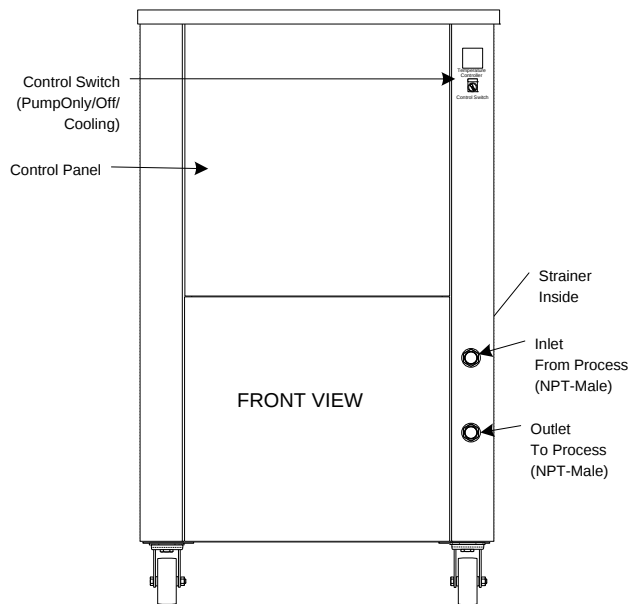
³ Ambient Temperature Conditions (see above)

⁴ Electrical Power Code (see above)

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GENERAL NOTES

- Optional Flow Switch (Included with Low Ambient Kit Options).
- Casters are included with indoor units upon request. Optional on outdoor units.
- Specifications subject to change without notice.
- Split units not shipped with refrigerant. Charged with 15# Nitrogen charge. Nitrogen must be evacuated and system properly charged with refrigerant while following instructions in manual.

COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 7/21/2016

SIZE

A

DIMENSION NOTES

Dimensions are in inches
Unless otherwise specified

DWG NO

INSTALLATION DRAWING
ACWC-060-Q- (Typical)

REV

1

SCALE

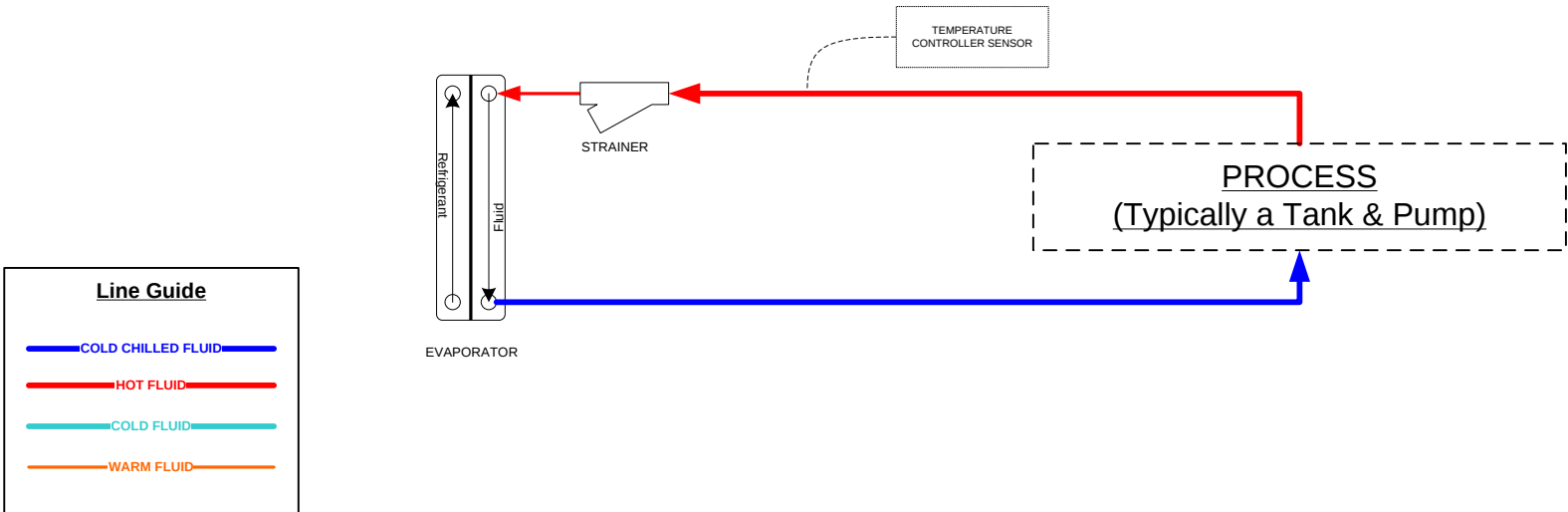
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SHEET

1 / ACWC-060-Q-ST-
(EntireFullPanel)(All)

STATIONARY (ST)



COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 6/21/2018

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.

SIZE

A

DESCRIPTION

Typical FLOW OPTIONS for Chiller Circuits

REV

1

SCALE NTS

DWG-CKT_ChillerCircuitFlowOptions-Typical_062218.vsd

SHEET 5 / Stationary (ST)