



Model: ACWC-120-Q-ST¹-₂-₃-₄

Description:

Two stage air-cooled 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		120,000 BTU /HR				
±5% AT 50° LCWT / 95°F AMBIENT						
COMPRESSOR / REFRIGERANT		HERMETIC SCROLL / R410A				
CONDENSER FANS / AIRFLOW		2 / 8000 CFM				
CONDENSER COILS TYPE		COPPER TUBE / ALUMINUM FIN				
EVAPORATOR TYPE		STAINLESS STEEL / COPPER BRAZED				
FLUID CONNECTIONS		1 ¼" MNPT (IN/OUT)				
ELECTRICAL:	V - Ø - HZ	COMP RLA / LRA		FAN FLA (ea)	MCA	MOCP
- 5	230 - 3 - 60	32.6	240	3.5	47.7	80
- 6	460 - 3 - 60	14.8	130	1.5	21.5	35
DIMENSIONS		74" L x 40" W x 44 ¾" H				
WEIGHT (APPROX.)		750 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:

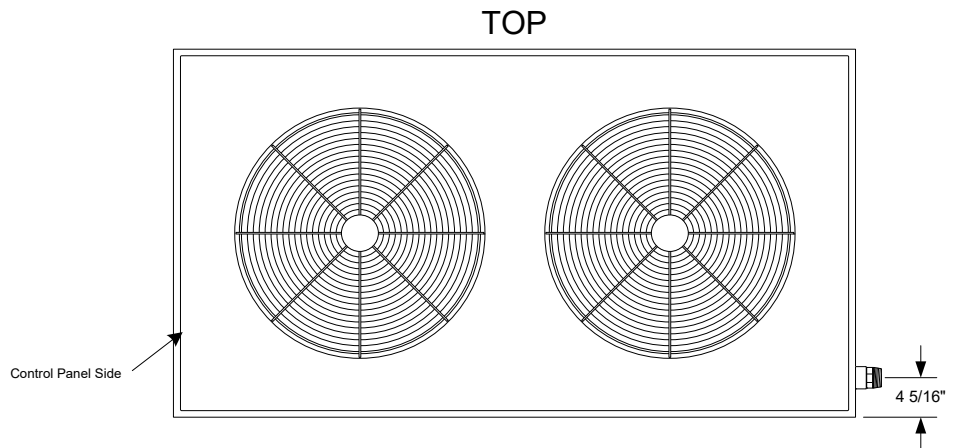
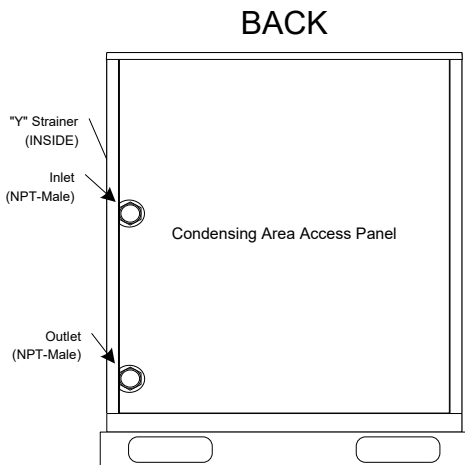
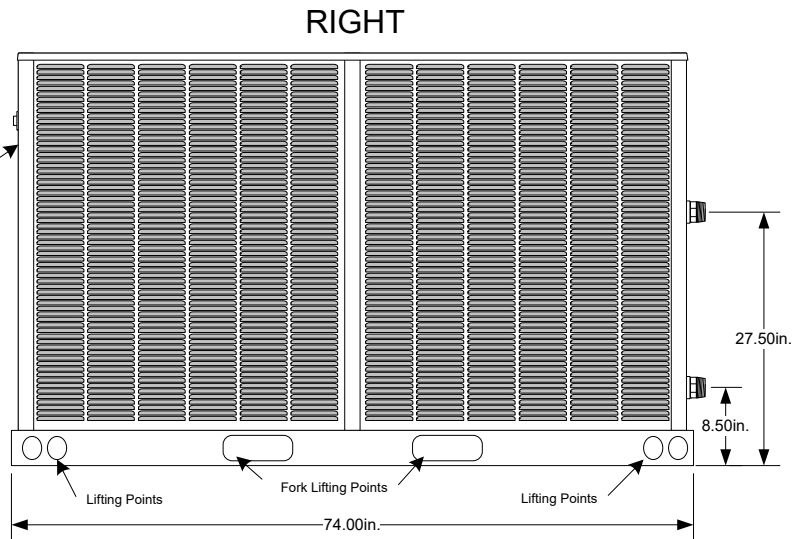
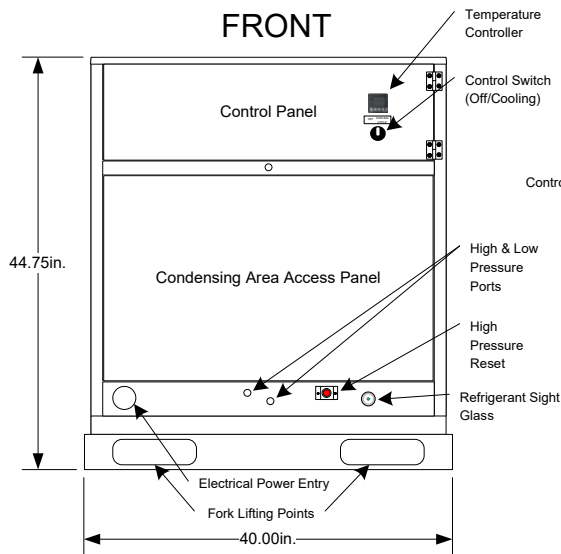
- **IND:** Indoor use only. Casters on frame.
- **40:** Suitable for outdoor use with an ambient of 40°F ambient.
- **0:** Suitable for outdoor use to 0°F ambient.
- **M20:** Suitable for outdoor use to -20°F ambient. Includes hot gas bypass. External wind baffles, optional.

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)



NOTES

- Unit should be installed with at least 4' clearance on all sides and a minimum of 8' clear air space above the unit
- Dimensions are approximate. (inches)
- Casters (Optional)
- All specifications subject to change without notice.

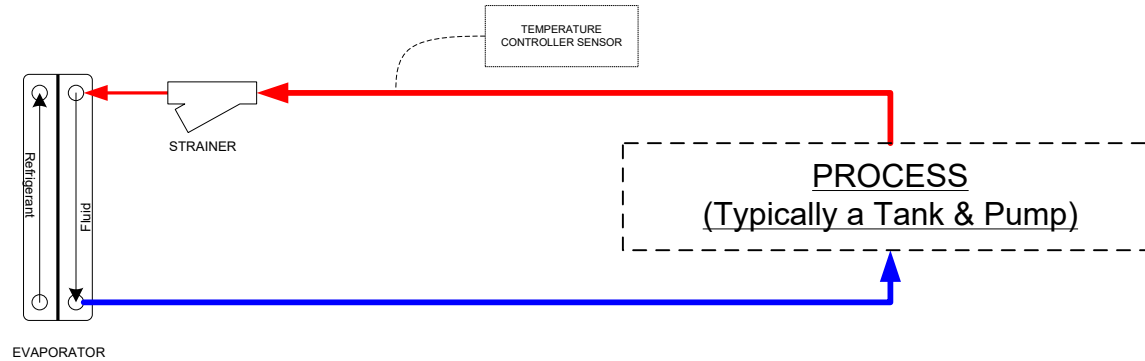
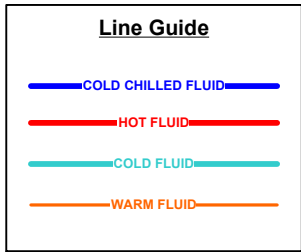
COLD SHOT CHILLERS

DRAWN ENGINEERING
ISSUED 1/12/2022

SIZE A	DIMENSION NOTES Dimensions are in inches Unless otherwise specified. $\pm 1/4"$	DWG NO INSTALLATION DRAWING ACWC-120-Q_ (Typical)	REV 1
SCALE NONE	DWG-INST_ACWC-120-Q-(0520).vsd	SHEET 3 /	Front-Back-Top-Side-Q-ST



STATIONARY (ST)



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.

COLD SHOT CHILLERS

DRAWN ENGINEERING

SIZE A

DESCRIPTION
Typical FLOW OPTIONS for Chiller Circuits

REV 1

ISSUED 5/2020

SCALE NONE

DWG-CKT_ChillerCircuitFlowOptions-Typical_(0520).vsd

SHEET 5 / Stationary (ST)