

Cold Shot Chillers

"ECONOMICALLY PRICED DEPENDABILITY"



TECHNICAL SPECIFICATION

Model: ACWC-150-E-ST¹-__²-__³-__⁴

Description:

Two stage portable 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 ±5% AT 50° LCWT / 95°F AMBIENT		150,000 BTU /HR				
COMPRESSOR / REFRIGERANT		TANDEM HERMETIC SCROLL / R410A				
CONDENSER FANS / AIRFLOW		2 / 8000 CFM				
CONDENSER COILS TYPE		COPPER TUBE / ALUMINUM FIN				
EVAPORATOR TYPE		STAINLESS STEEL / COPPER BRAZED				
FLUID CONNECTIONS (IN/OUT)		2" MNPT / 2" MNPT				
ELECTRICAL:	V - Ø - HZ	COMP RLA / LRA (ea.)		FAN FLA (ea.)	MCA	MOCP
-1	575 - 3 - 60	7.7	54	1	19.3	25
-5	230 - 3 - 60	22.4	149	2.4	55.2	70
-6	460 - 3 - 60	10.6	75	1.4	26.6	35
DIMENSIONS		74" L x 40" W x 45" H				
WEIGHT (APPROX.)		690 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:** Programmed electronic temperature controller with constant (set point & process) temperature LED readout.
- **Refrigeration Components:** Efficient scroll compressors, sight glass/moisture indicators, balance 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/low pressure refrigerant pressure, freeze, low water flow, overloads for compressor and fan motors.
- **Construction:** Galvanized steel with durable powder paint finish, stamped louvered panels for the condenser coils, 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. External Wind baffles. 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)

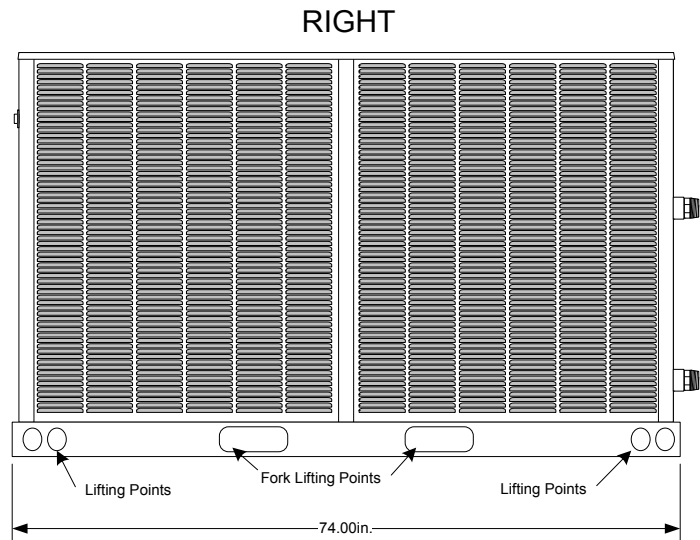
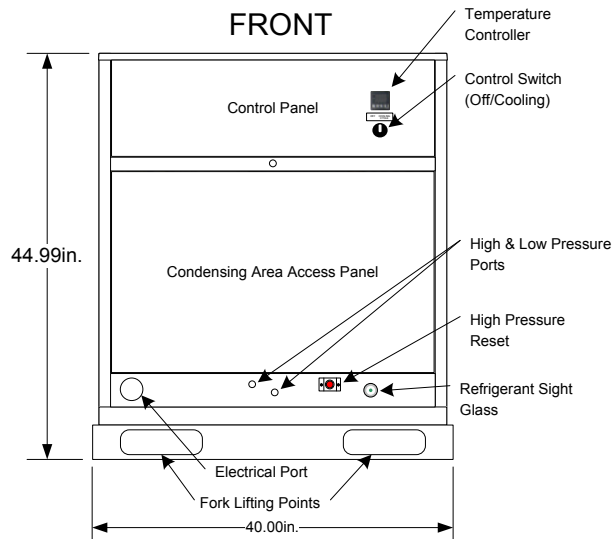
³ Ambient Temperature Conditions (see above)

⁴ Electrical Power Code (see above)

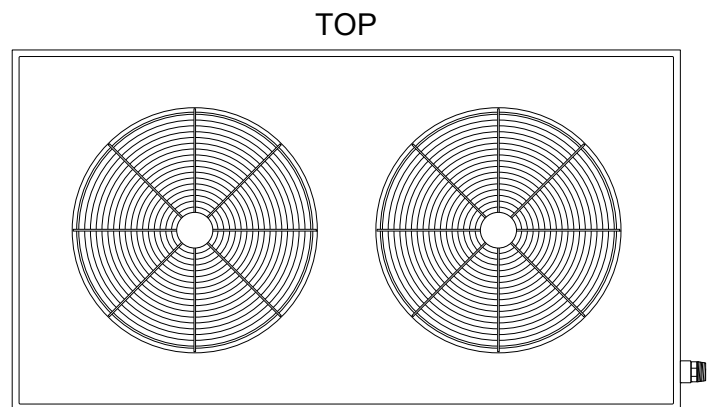
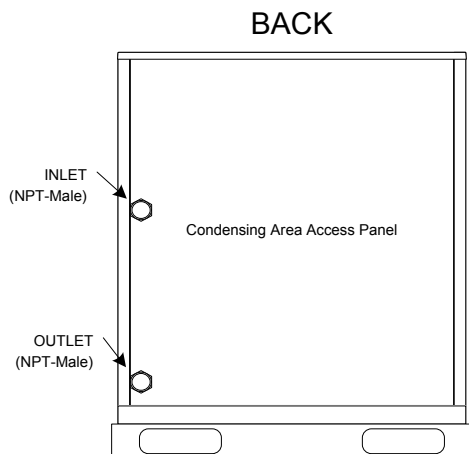
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NOTE:
Condenser Area Access Panels must be installed during operation.



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)
- All specifications subject to change without notice.

COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 4/7/2016

SIZE

A

DIMENSION NOTES

Dimensions are in inches
Unless otherwise specified.

DWG NO

INSTALLATION DRAWING
ACWC-150-E-EST (Typical)

REV

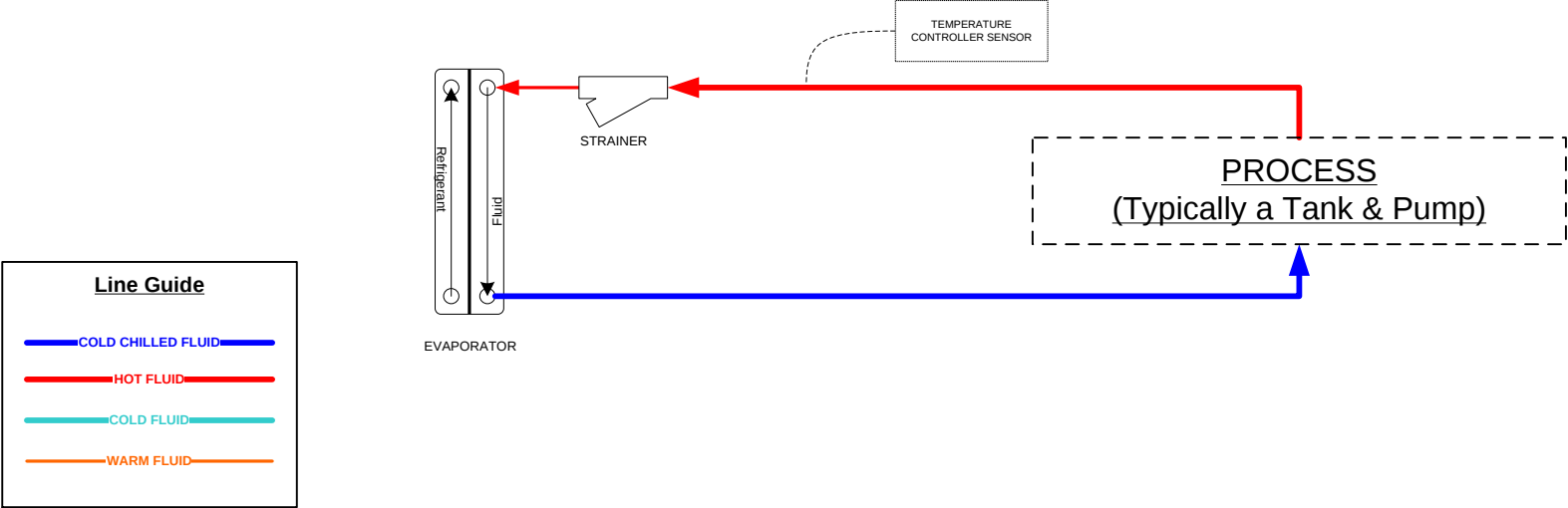
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SCALE None

DWG-INST_ACWC-150-E-EST_without frame (0416).vsd

SHEET 1 / View: Front-Right-Back-Top

STATIONARY (ST)



COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 6/21/2018

SIZE

A

SCALE

NTS

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_062218.vsd

SHEET

5 / Stationary (ST)