Model: ACWC-150-E-ST[1]-__[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 ±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		2" MNPT (IN/OUT)				
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 44 ¾" 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:** 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:

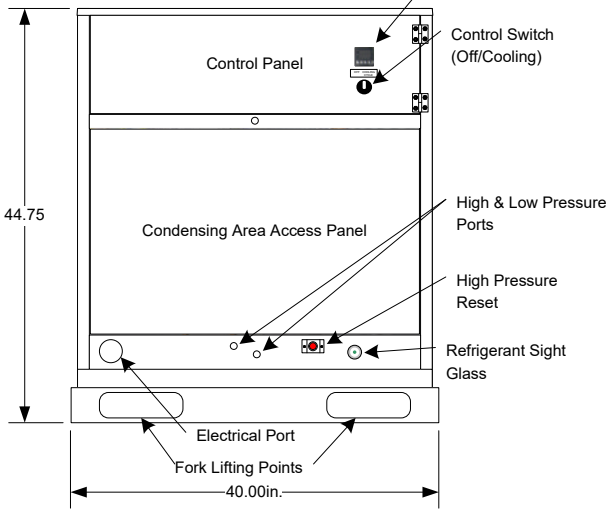
- **IND:** Indoor use only. Casters on frame.
- **40:** Suitable for outdoor use with an ambient of 40°F ambient.
- **0:** Suitable for outdoor use to 0°F ambient. Includes low ambient fan speed controls with (LT) models.
- **M20:** Suitable for outdoor use to -20°F ambient. Includes low ambient fan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

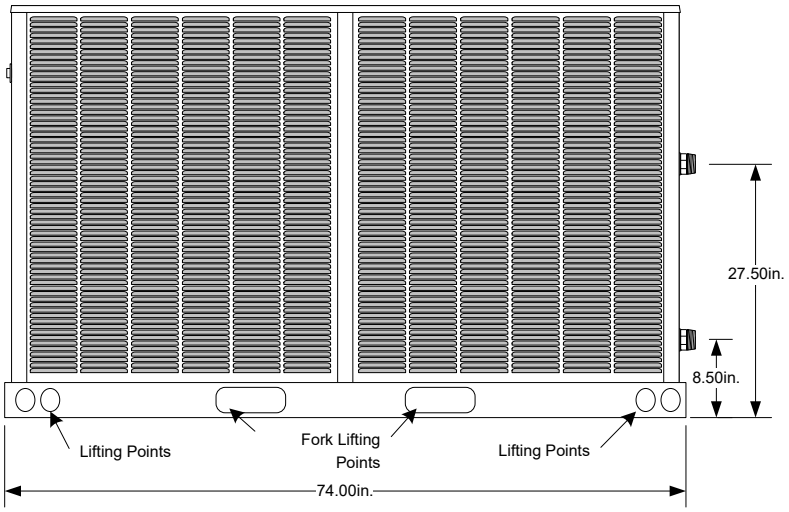
TECHNICAL SPECIFICATION

WWW.WATERCHILLERS.COM

FRONT



RIGHT



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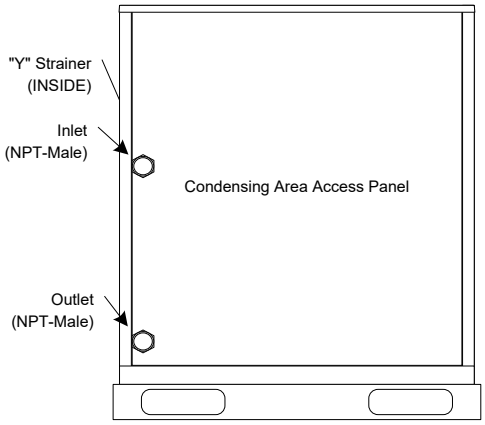
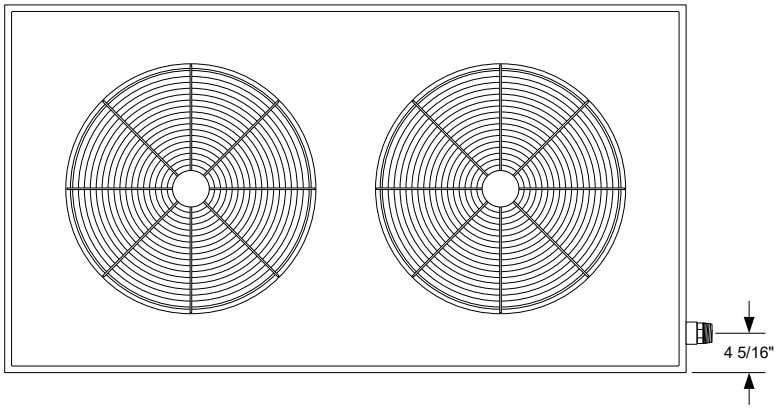


TOP



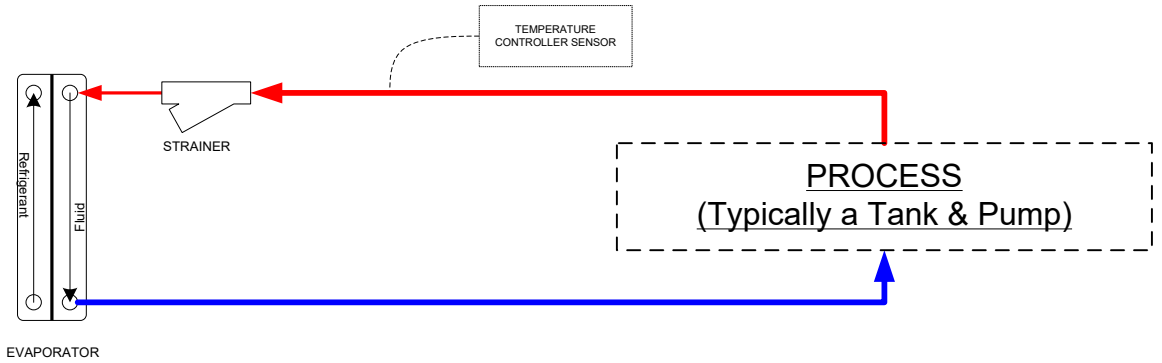
NOTES

- 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	SIZE: A	DIMENSION NOTES: Dimensions are in inches Unless otherwise specified. +-¼"	DWG NO: **INSTALLATION DRAWING ACWC-150-E_ (Typical)** REV: 1
ISSUED	1/19/2022	SCALE: NONE	DWG-INST_ACWC-150-E-ST_(0520).vsd	SHEET: 1 / Front-Back-Top-Side

STATIONARY (ST)



Line Guide

- COLD CHILLED FLUID
- HOT FLUID
- COLD FLUID
- WARM FLUID

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			DESCRIPTION	REV
DRAWN: ENGINEERING	SIZE: A		Typical FLOW OPTIONS for Chiller Circuits	1
ISSUED: 5/2020	SCALE: NONE	DWG-CKT_ChillerCircuitFlowOptions-Typical_(0520).vsd	SHEET: 5 / Stationary (ST)	