TECHNICAL SPECIFICATION



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Model: ACWC-600-GC-DP1-__2-__3-__4

Description:

Four stage air-cooled portable water chiller system. Dual pump model includes one recirculating pump for the chiller circuit and a second pump dedicated for the process circuit. Process pump indicated on table is typical, with options available for different capacity. 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 | | 600,000 BTU /HR | | | | | | | |
|--------------------------------|--|---------------------|------|-----|--------------|----------|----------|-------|------|
| ±5% AT 50° LCWT / 95°F AMBIENT | | 000,000 D10 /HK | | | | | | | |
| | (4) HEDMETIC SCROLLS / D4404 | | | | | | | | |
| COMPRESSOR / | (4) HERMETIC SCROLLS / R410A | | | | | | | | |
| CONDENSER FA | 4 / 41,800 CFM | | | | | | | | |
| CONDENSER CO | MICROCHANNEL | | | | | | | | |
| EVAPORATOR T | STAINLESS STEEL / COPPER BRAZED | | | | | | | | |
| FLUID CONNECT | 3" 150# FLANGE (IN/OUT) | | | | | | | | |
| ELECTRICAL: | V - Ø - HZ | COMP RLA / LRA (ea) | | | FAN FLA (ea) | (No*) PI | JMP FLA | MCA | MOCP |
| - 5 | 230 - 3 - 60 | A1/A2 | 51.3 | 300 | 6.6 | (1) 17.5 | (2) 17.5 | 289.5 | 300 |
| | | B1/B2 | 55.8 | 340 | | | | | |
| - 6 | 460 - 3 - 60 | A1/A2 | 23.1 | 150 | 3.3 | (1) 8.7 | (2) 8.7 | 137.3 | 150 |
| | | B1/B2 | 26.9 | 179 | | | | | |
| CHILLER PUMP | 7.5 HP / 225 GPM @ 35 PSI | | | | | | | | |
| PROCESS PUMP | 7.5 HP / 225 GPM @ 35 PSI | | | | | | | | |
| TANK SIZE / CO | 625 GALLON / HIGH-DENSITY POLYETHYLENE | | | | | | | | |
| DIMENSIONS | 188" L x 88 ¼" W x 73" H | | | | | | | | |
| WEIGHT (APPRO | 2900 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: PVC "Y" strainer with 20 mesh stainless steel screen. Pumps are stainless steel centrifugal. Tanks are insulated with fluid level sensor, spin on lid and drain. Portable systems will include a flow control valve.
- Safety Controls: High and low refrigerant pressure, high and low fluid temperature, freeze, low water flow, internal overloads, thermal overload circuit breakers and/or safety fuses for compressors, pumps, and fan motors, temperature relief fusible plug on liquid lines of each circuit.
- Construction: Galvanized steel frame, powder coated carbon steel cabinet, PVC flange connections.
- Warranty: One year parts / five year compressor.

SUITABLE AMBIENT CONDITIONS/FEATURES:

- **IND:** Indoor use only.
- **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.

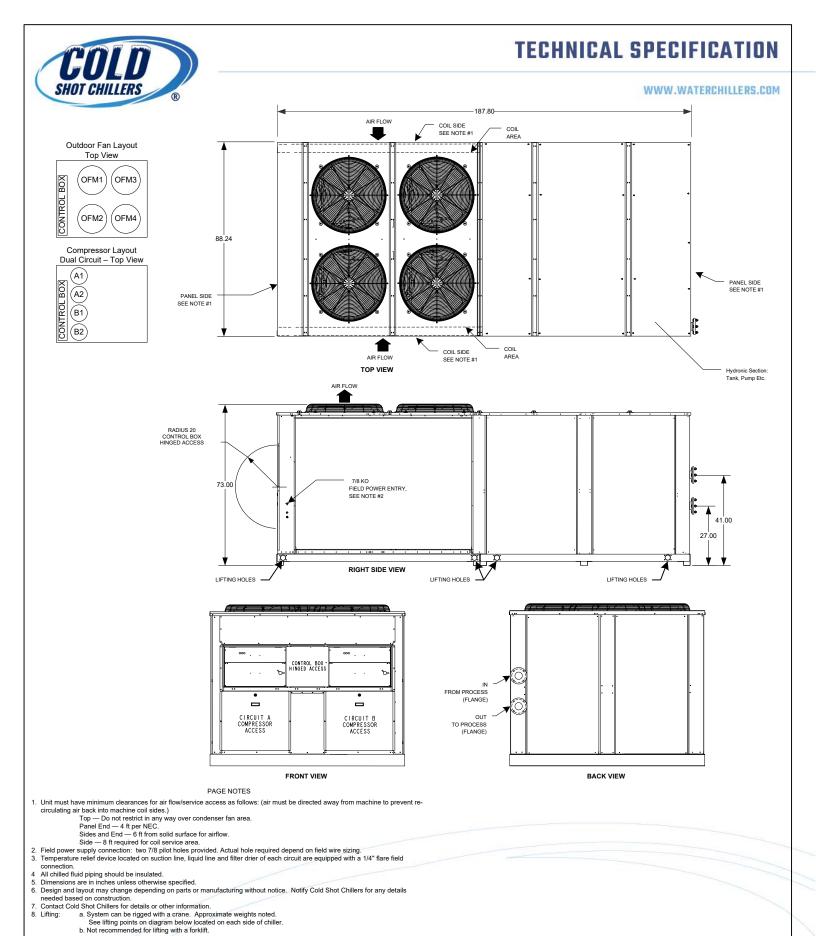
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¹ Flow Design (_=Portable, ST=Stationary, RF=Reverse Flow, EXCH=Extra Heat Exchanger, DP=Dual Pump, DR=Dual Return)

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)



COLD SHOT CHILLERS DWG NO SIZE DIMENSION NOTES REV **INSTALLATION DRAWING** Dimensions are in inches 1 DRAWN **ENGINEERING** unless otherwise specified. +-1/4" ACWC-600-GC-DP (Typical - Front-Back-Side-Top) 4/12/2022 ISSUED SCALE NONE DWG-INST-600-GC-DP-(041222).vsd SHEET



Line Guide

OLD CHILLED FLUID

COLD FLUID

TECHNICAL SPECIFICATION

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