**Model: CSAC-009-B-_[1]-__[2]-__[3]-__[4]**

## Descript

Single stage air-cooled portable fluid chiller system. Chiller pump indicated on table is typical with options available for different capacity.

| CAPACITY | | 9,000 BTU /HR | | | | | |
|---|---|---|---|---|---|---|---|
| COMPRESSOR / REFRIGERANT | | HERMETIC RECIPROCATING / R134A | | | | | |
| CONDENSER FANS / AIRFLOW | | 1 / 3147 CFM | | | | | |
| CONDENSER COILS TYPE | | ALUMINUM MICROCHANNEL | | | | | |
| EVAPORATOR TYPE | | STAINLESS STEEL / COPPER BRAZED | | | | | |
| FLUID CONNECTIONS | | 1" MNPT (IN/OUT) | | | | | |
| ELECTRICAL: | V - Ø - HZ | COMP RLA / LRA | | FAN FLA | PUMP FLA | MCA | MOCP |
| - 4 | 120 - 1 - 60 | 11 | 45 | 3 | 12.2 | 34.5 | 45 |
| - 2 | 230 - 1 - 60 | 10 | 38 | 3 | 5.5 | 21 | 30 |
| - 5 | 230 - 3 - 60 | 9.5 | 38 | 3 | 3.2 | 18 | 25 |
| CHILLER PUMP HP / OUTPUT | | 3/4 HP / 10 GPM @ 30 PSI | | | | | |
| TANK SIZE / CONSTRUCTION | | 7 GALLON / POLYETHYLENE | | | | | |
| DIMENSIONS | | 38.4" L x 27.9" W x 43.4" H | | | | | |
| WEIGHT (APPROX.) | | 300 LBS | | | | | |

## STANDARD FEATURES:

- **Controls:** Electronic temperature controller with constant Set Point & Process Value temperature readout.
- **Refrigeration Components** Efficient reciprocating compressors, sight glass/moisture indicators, balanced port thermal expansion valves, filter driers, service valves and/or service ports, condenser fan(s) are electronically commutated motors. (ECM)
- **Fluid Components:** Bronze "Y" strainers with 20 mesh stainless steel screen. Pumps are stainless steel centrifugal. All fluid components insulated. Vented tank includes lid, level sight tube and a fill and drain port. Portable systems will include a manually operated bypass valve.
- **Safety Controls:** High and low refrigerant pressures, high and low fluid temperatures, evaporator freeze condition, low water flow switch, thermal overloads for compressors, and thermal overloads for fan motors, and current/thermal overload motor starter safety for pumps.
- **Construction:** Welded steel powder coated frame and full metal cabinet, copper piping connections.
- **Warranty:** One-year parts / five-year compressor.

## SUITABLE AMBIENT CONDITIONS/FEATURES: (see footnote 3)

- **IND:** Indoor use only. Casters on frame, optional
- **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

Notes:

- 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.
- 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.
- Pump outputs based on specific point on the pump curve which varies depending on system

[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®

# TECHNICAL SPECIFICATION

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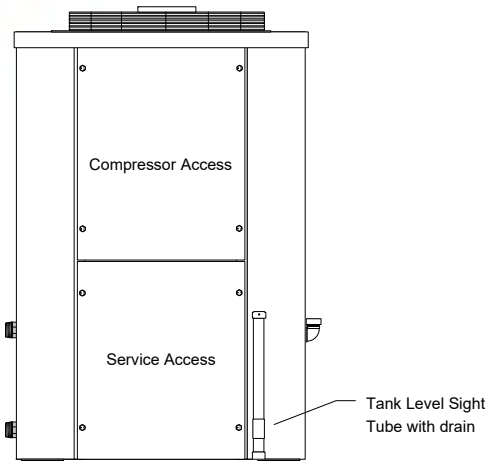
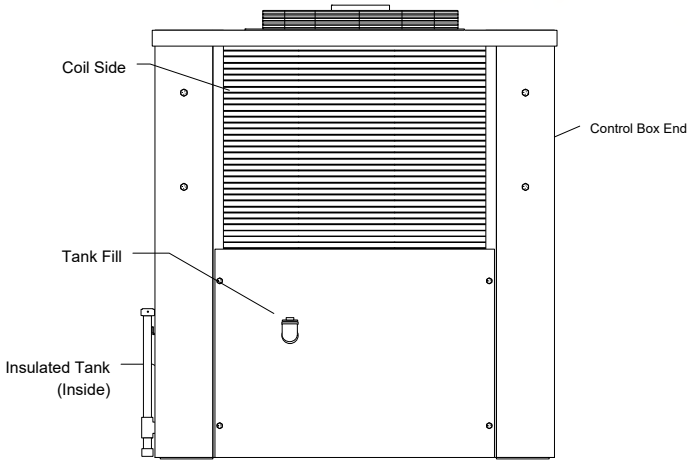
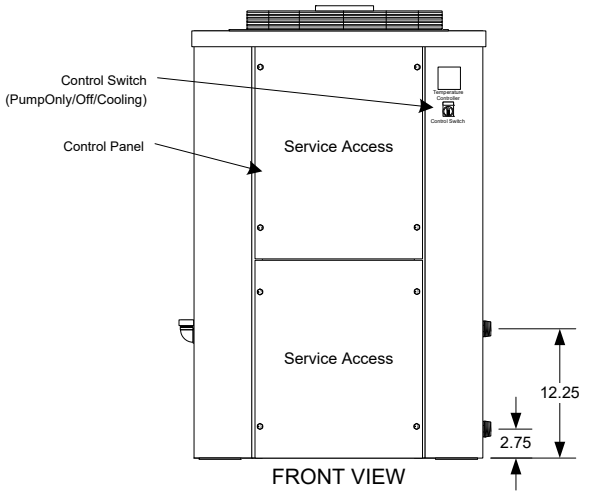


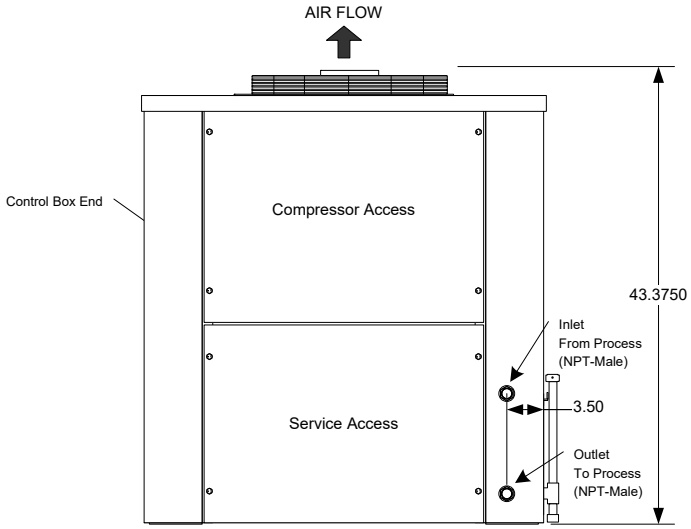

BACK VIEW



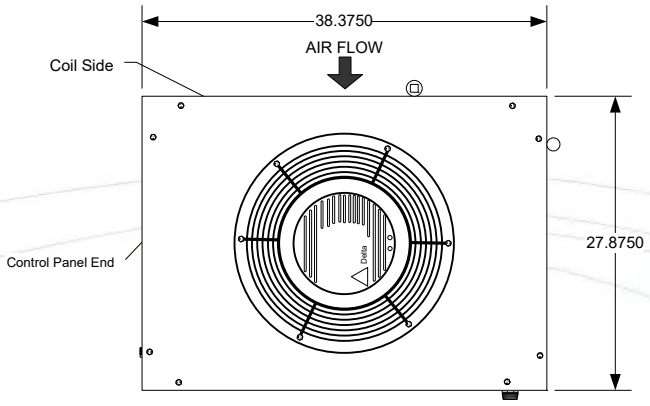

LEFT SIDE VIEW




FRONT VIEW




RIGHT SIDE VIEW




TOP VIEW

NOTES

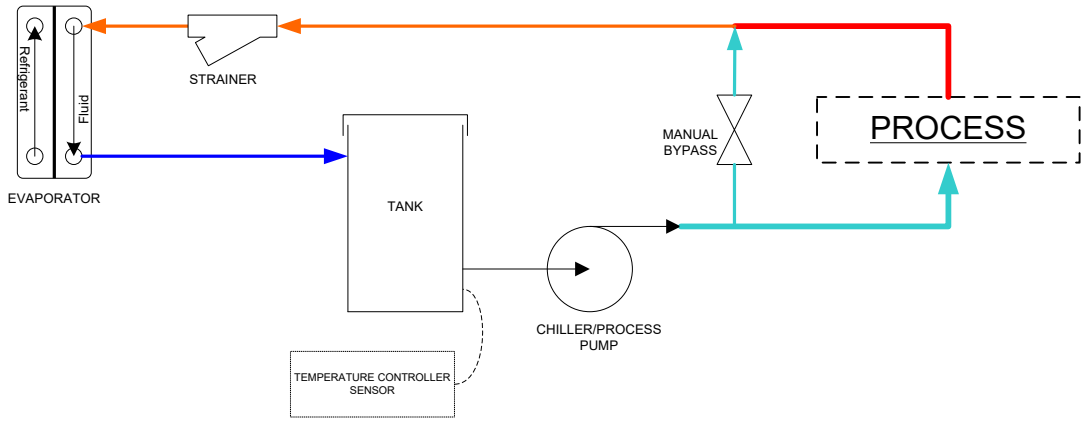
- Unit should be installed with at least 2' clearance on all sides and a minimum of 5' clear air space above the unit
- Dimensions are approximate. (inches)
- Casters (Optional)
- All specifications subject to change without notice.

**COLD SHOT CHILLERS**

| | | | | |
|---|---|---|---|---|
| DRAWN | ENGINEERING | SIZE: A | DIMENSION NOTES: Dimensions are in inches Unless otherwise specified. +-¼" | DWG NO: **INSTALLATION DRAWING CSAC-003 to 012-_- (Typical)** |
| ISSUED | 10/25/2022 | SCALE: NONE | DWG-INST_CSAC-003 to 012-_-1022.vsd | SHEET: 1 / Front-Back-Top-Side |

REV: 1

# STANDARD/PORTABLE/PACKAGE (-)




**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 1 / Standard/Portable |