

Cold Shot Chillers

"ECONOMICALLY PRICED DEPENDABILITY"



TECHNICAL SPECIFICATION

Model: ACWC-024-Q-RF¹-__²-__³-2⁴

Description:

Single stage air-cooled portable water chiller system. System will provide approximately 24,000 Btu/hr of cooling capacity with a leaving fluid temperature of 50°F and an ambient air temperature of 95°F.

CAPACITY ±5% AT 50° LCWT / 95°F AMBIENT		24,000 BTU /HR			
COMPRESSOR / REFRIGERANT		HERMETIC SCROLL / R410A			
CONDENSER FANS / AIRFLOW		1 / 1920 CFM			
CONDENSER COILS TYPE		COPPER TUBE / ALUMINUM FIN			
EVAPORATOR TYPE		STAINLESS STEEL / COPPER BRAZED			
FLUID CONNECTIONS		1 ¼" MNPT (IN) / 1" MNPT (OUT)			
ELECTRICAL:	V - Ø - HZ	COMP RLA / LRA	FAN FLA	PUMP FLA	MCA
- 2	230 - 1 - 60	11.2	60.8	0.7	6.6
PUMP HP / OUTPUT		1.0 HP / 30 GPM @ 30 PSI			
DIMENSIONS		42" L x 32 ½" W x 51 ½" H			
WEIGHT (APPROX.)		350 LBS			

Note: All specifications subject to change without notice. Specify voltage and ambient condition upon ordering.

MCA: Minimum circuit amps 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, 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. Pumps are stainless steel centrifugal.
- **Safety Controls:** High and low refrigerant pressure, high and low fluid temperature, freeze, low water flow, overloads for compressor and fan motors, safety fuses or overloads for pump.
- **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. 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. Internal 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)

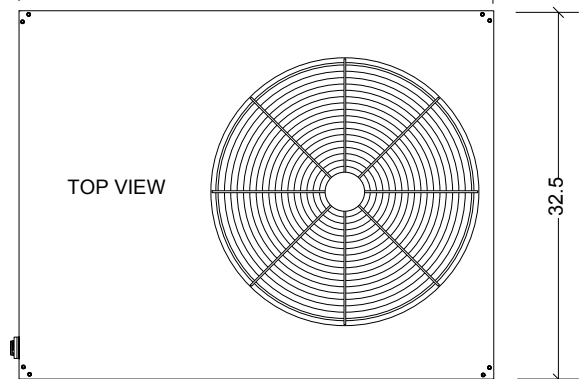
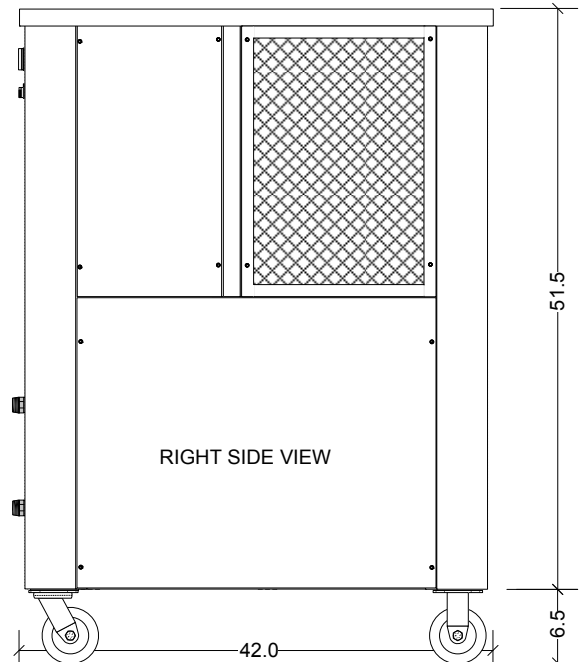
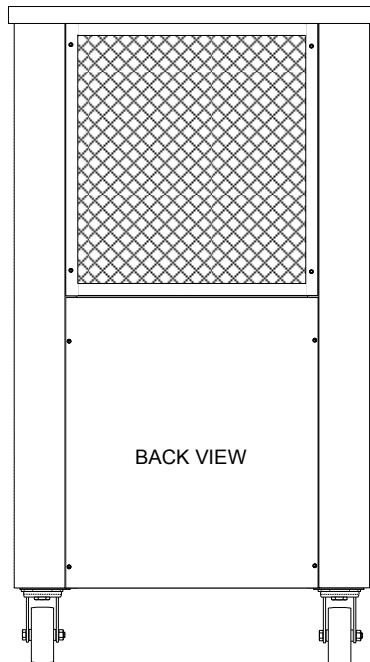
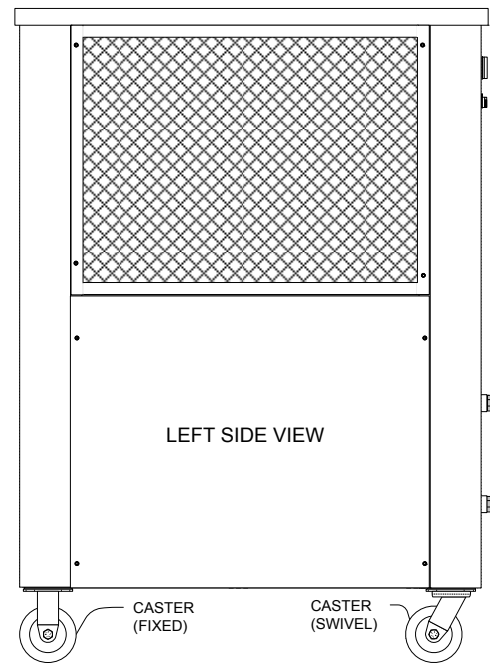
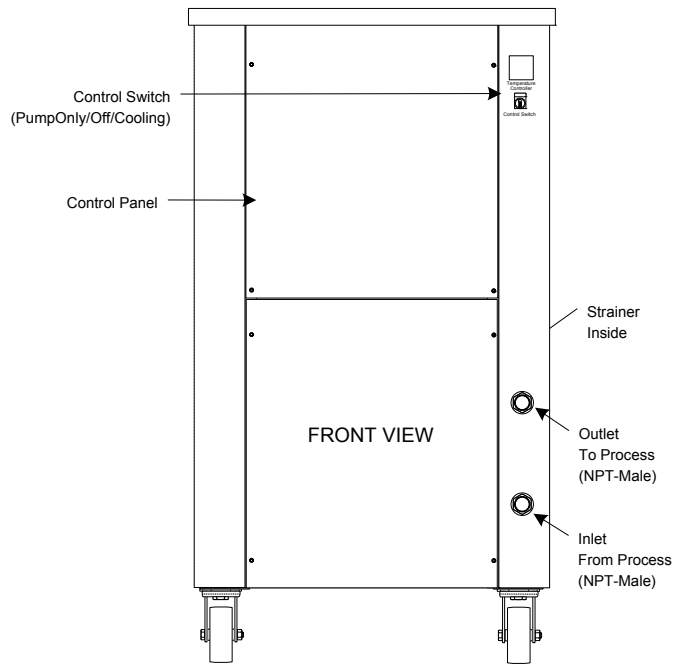
³ Ambient Temperature Conditions (see above)

⁴ Electrical Power Code (see above)

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GENERAL NOTES

- Optional Flow Switch (Included with Low Ambient Kit Options).
- Casters are included with indoor units upon request. Optional on outdoor units.
- Specifications subject to change without notice.
- Split units not shipped with refrigerant. Charged with 15# Nitrogen charge. Nitrogen must be evacuated and system properly charged with refrigerant while following instructions in manual.

COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 1/18/2018

SIZE
A

DIMENSION NOTES
Dimensions are in inches
Unless otherwise specified.

SCALE
NTS

DWG NO

INSTALLATION DRAWING
ACWC-024-Q-RF_ (Typical)

DWG-INST_ACWC-024-Q-RF_.vsd

SHEET

1 / ACWC-024-Q-RF_(EntireFullPanel)(All)

REV
1