

# Cold Shot Chillers®



**RUGGED  
DEPENDABILITY**

## 50 through 80-Ton Air-Cooled Portable Water Chillers



(60-TON UNIT SHOWN)

### FEATURES

- Carlyle Semi-Hermetic Reciprocating Compressors with Electrical Multi-Stage Unloading Down to 33%
- Stainless Steel Braze Plate
- Brass Service Valves
- Large Copper Condensing Coil with Aluminum Fins
- Powder Coated, Heavy Gauge Steel Cabinet
- Rugged Stainless Steel Centrifugal Pumps with Safety Fuses
- Oversized Magnetic Contactors
- Stainless Steel Tank

### BENEFITS

- Long Life - Dependable - Economical to Operate
- Compact Efficiency
- Allows for Field Service Without Dissassembly
- Easy Maintenance and Efficient
- Rugged Protection While Allowing for Easy Maintenance and Wash Down
- High Flow - Long Life - Dependable
- Rugged Dependability - Long Life
- Lifetime Warranty



## TECHNICAL SPECIFICATIONS

CAPACITY ± 5 % AT 50° LCWT/95° AMBIENT	50-TON 600,000 BTU/HR	60-TON 720,000 BTU/HR	70-TON 840,000 BTU/HR	80-TON 960,000 BTU/HR
MODEL	ACWC-600-E	ACWC-720-E	ACWC-840-E	ACWC-960-E
COMPRESSORS	SEMI-HERMETIC RECIPROCATING	SEMI-HERMETIC RECIPROCATING	SEMI-HERMETIC RECIPROCATING	SEMI-HERMETIC RECIPROCATING
EVAPORATOR	STAINLESS STEEL/ COPPER BRAZED PLATE	STAINLESS STEEL/ COPPER BRAZED PLATE	STAINLESS STEEL COPPER BRAZED PLATE	STAINLESS STEEL COPPER BRAZED PLATE
FLUID CONNECTION (IN/OUT)	3" 150# FLG	3" 150 # FLG	4" 150# FLG	4" 150# FLG
FANS / CFM	4 / 35,000	6 / 52,000	6 / 52,000	6 / 52,000
CONDENSER COILS	COPPER TUBE ALUMINUM FIN	COPPER TUBE ALUMINUM FIN	COPPER TUBE ALUMINUM FIN	COPPER TUBE ALUMINUM FIN
VOLTAGE / PHASE	208/230/3 460/3	208/230/3 460/3	208/230/3 460/3	208/230/3 460/3
MINIMUM CIRCUIT AMPS	296.5 / 139.3	374.80 / 171.25	430.8 / 197.3	458.8 / 213.2
DIMENSIONS (APPROX)	16' L x 7' 5" W x 6'7" H	18' L x 7' 5" W x 7'5" H	18' L x 7' 5" W x 7'5" H	19' L x 8' W x 8'H
WEIGHT	5,000 LBS	5,500 LBS	5,500 LBS	6,500 LBS
PUMP	15 H.P.	15 H.P.	20 H.P.	20 H.P.
PUMP OUTPUT	225 GPM @ 56 PSI	225 GPM @ 56 PSI	335 GPM @ 54 PSI	335 GPM @ 54 PSI
TANK SIZE	500 GALLON	500 GALLON	500 GALLON	500 GALLON
TANK CONSTRUCTION	INSULATED POLYETHYLENE	INSULATED POLYETHYLENE	INSULATED POLYETHYLENE	INSULATED POLYETHYLENE

### CONTROLS:

Multi PLC stage electronic temperature controller\* with dual LED readout. (set point / process temperature)

### REFRIGERATION COMPONENTS:

Carrier semi-hermetic reciprocating compressors with electrical unloading, sight glass, moisture indicators, balance port expansion valves, liquid line solenoids, filter drier, service valves, dual circuit stainless steel brazed plate evaporator, fan cycling head pressure controls.

### PROCESS FLUID COMPONENTS:

Rugged stainless steel centrifugal pump, insulated polyethylene reservoir, with tank level sight glass, and drain port.

### SAFETY CONTROLS:

High/low pressure safety, internal overloads, thermal overloads and/or safety fuses or circuit breakers for pump, compressor and fan motors, low water flow safety with manual reset, freeze safety, oil pressure.

### SAFETY CONTROLS:

Process fluid: 42°F to 70°F for standard units (20°F to 70°F for low leaving fluid temperature units)

Ambient air: 40°F to 115°F for standard units (0°F to 115°F for outdoor units with optional low ambient modifications).

### CONSTRUCTION:

Galvanized frame, powder coated steel cabinet.

### WARRANTY:

One year parts / five year compressor.

\*THREE STAGE CONTROLLER IS STANDARD. ALL UNITS ARE AVAILABLE WITH UP TO SIX STAGES

## Compare our Price and Warranty

Note: All specifications subject to change without notice.