

# Cold Shot Chillers®



**RUGGED  
DEPENDABILITY**

## 8, 10, 12.5, 15 and 20-Ton 2 Stage Air Cooled Portable Water Chillers



(20 TON UNIT SHOWN)

### FEATURES

- Dependable Copeland Welded Hermetic Scroll Compressors
- Stainless Steel Brazed Plate Evaporators Vacuum Brazed with Copper
- Brass Pump Down Valves
- Large Copper Condensing Coil with Aluminum Fins
- Powder Coated, Louvered Protective Condenser Panels
- Strong Stainless Steel Centrifugal Pumps with Safety Fuses or Thermal Protection
- Oversized Magnetic Contactors
- Powder Coated Steel Frame and Welded Stainless Steel Reservoir

### BENEFITS

- Long Life - Maintenance Free
- Compact Efficiency
- Allows for Field Service Without Disassembly
- Easy Maintenance - Improved Efficiency
- 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	8 -TON 96,000 BTU/HR	10 -TON 120,000 BTU/HR	12.5 -TON 150,000 BTU/HR	15 -TON 180,000 BTU/HR	20 -TON 240,000 BTU/HR
MODEL	ACWC-96-E	ACWC-120-E	ACWC-150-E	ACWC-180-E	ACWC-240-E
COMPRESSORS	HERMETIC SCROLL (2)	TANDEM HERMETIC SCROLL	TANDEM HERMETIC SCROLL	TANDEM HERMETIC SCROLL	TANDEM HERMETIC SCROLL
EVAPORATOR	STAINLESS STEEL / COPPER BRAZED	STAINLESS STEEL / COPPER BRAZED	STAINLESS STEEL / COPPER BRAZED	STAINLESS STEEL / COPPER BRAZED	STAINLESS STEEL / COPPER BRAZED
FLUID CONNECTION (IN/OUT)	1- 1/4" MNPT	1- 1/4" MNPT	2" MNPT	2" MNPT	2" MNPT
FANS / CFM	2 / 6500	2 / 8000	2 / 8000	3 / 12,000	3 / 12,000
CONDENSER COILS	COPPER TUBE / ALUMINUM FIN	COPPER TUBE / ALUMINUM FIN	COPPER TUBE / ALUMINUM FIN	COPPER TUBE / ALUMINUM FIN	COPPER TUBE / ALUMINUM FIN
VOLTAGE/PHASE/ 60Hz	208/230/ 1	208/230/3 460/3	208/230/3 460/3	208/230/3 460/3	208/230/3 460/3
MINIMUM CIRCUIT AMPS	72	50.5 27.3	62 31	87.5 46.3	103 48
DIMENSIONS (APPROX.)	75" L x 31.5" W x 55" H	62" L x 40" W x 69" H	74" L x 40" W x 70" H	88" L x 40" W x 70" H	88" L x 40" W x 70" H
WEIGHT	850 LBS	1700 LBS	1400 LBS	1900 LBS	2000 LBS
PUMP	2 HP	1 -1/2 HP	2 HP	2 HP	3 HP
PUMP OUTPUT	55 GPM @ 30PSI	55 GPM @ 30PSI	76 GPM @ 30PSI	76 GPM @ 30PSI	95 GPM @ 30PSI
TANK SIZE	41 GAL	41 GAL	80 GAL	80 GAL	80 GAL
TANK CONSTRUCTION	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

### CONTROLS:

Multi Stage PLC temperature controller with constant (set point/process temperature) LED readout on standard units

### REFRIGERATION COMPONENTS:

Efficient scroll compressors, sight glass/moisture indicators, balanced port expansion valves, filter driers, service valves, stainless steel/copper brazed plate evaporators, fan cycling head pressure controls

### PROCESS FLUID COMPONENTS:

Rugged stainless steel centrifugal pumps, with manual by-pass bronze "Y" strainer with 20 mesh stainless steel screen, insulated stainless steel reservoir with shoe box lid, tank level sight glass, fill and drain ports.

### SAFETY CONTROLS:

High/low pressure safety, freeze, low water flow safety with manual reset, internal overloads, thermal overloads or safety fuses for pumps and fan motors.

### OPERATING TEMPERATURES:

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

Ambient air: 40°F to 115° for standard units (-20°F to 115°F for outdoor units with optional low ambient modifications)

### CONSTRUCTION:

All welded powder coated steel frame and cabinet, 5" Phenolic casters with ball bearings and grease fittings (on indoor models add 6 1/2" to the height).

### WARRANTY:

One Year Parts; Five Year Compressor

## OPTIONS

- Flow Capacities (Pump Up-Grade)
- Outdoor Service
- Low Leaving Fluid Temperature
- Spare Parts Kit
- Labor Warranty
- Split System
- Reverse-Flow
- Hot Gas By-Pass For Capacity Control
- Multiple Pumps
- Manual By-Pass
- Low Ambient Modification
- Line Phase Monitor Protection
- EZ Clean Filter
- Pro-Tec Coil Coating
- Flow Meters

Note: All specifications subject to change without notice.

**Compare our Price and Warranty**