

WATER CHILLERS



12.5 HP through 20 HP Air-Cooled Two-Stage "Portable" Water Chillers

**RUGGED
DEPENDABILITY**



(20 TON UNIT SHOWN)

FEATURES

Dependable Copeland Welded Hermetic Scroll Compressors

Stainless Steel Brazed Plate Evaporators Vacuum Brazed with Copper

Brass Pump Down Valves

Microchannel Condenser Coils

Powder Coated, Louvered Protective Condenser Panels

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

Reduced Refrigerant Capacity - 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	12.5 -TON 150,000 BTU/HR	15 -TON 180,000 BTU/HR	20 -TON 240,000 BTU/HR
Model	ACWC-150-E	ACWC-180-E	ACWC-240-E
Compressors	Rotary Scroll	Rotary Scroll	Rotary Scroll
Evaporator	Stainless Steel / Copper Brazed	Stainless Steel / Copper Brazed	Stainless Steel / Copper Brazed
Fluid Connection (In/Out)	2" MNPT	2" MNPT	2" MNPT
Fans / CFM	2 / 8000	3 / 12,000	3 / 12,000
Condenser Coils	Copper Tube / Aluminum Fin	Copper Tube / Aluminum Fin	Copper Tube / Aluminum Fin
Voltage/ Phase/ 60Hz	208/230/3 460/3	208/230/3 460/3	208/230/3 460/3
Minimum Circuit Amps	62 31	87.5 46.3	103 48
Dimensions (Approx.)	74" L x 40" W x 70" H	74" L x 40" W x 70" H	74" L x 40" W x 70" H
Weight	1400 Lbs	1900 Lbs	2000 Lbs
Pump	2 HP	2 HP	2 HP
Pump Output	76 GPM @ 30 PSI	76 GPM @ 30 PSI	76 GPM @ 30 PSI
Tank Size	80 Gal	80 Gal	80 Gal
Tank Construction	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 °F 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

- Guardian Chiller Monitoring
- Labor Warranty
- Multiple Pumps
- Outdoor Service
- Split System
- Manual By-Pass
- EZ Clean Filter
- Low Leaving Fluid Temperature
- Reverse-Flow
- Low Ambient Modification
- Pro-Tec Coil Coating
- Spare Parts Kit
- Hot Gas By-Pass For Capacity Control
- Line Phase Monitor Protection