

Cold Shot Chillers



**RUGGED
DEPENDABILITY**

Models:

ACWC-90-ESUS
ACWC-90-DM



ACWC-90-ESUS

Description:

7 1/2 - Ton air cooled water chiller with remote condenser. System will provide 90,000 btu/hr of cooling capacity with a leaving fluid temperature of 50° F and an ambient air temperature of 90°F. at a maximum flow rate of 30 gpm @ 45 psi. In the event that the refrigerated chill water circuit is disabled for any reason the machine is equipped with automatic city water switch over.

Model ACWC-90-ESUS is equipped with 1/3 hp air compressor with a 12 gallon tank, pressure regulator and refrigerated air drier with automatic drains to provide 1.0 free air cfm @ 90 psi.

Standard Features:

- Automatic City Water Switchover
- Operating & Safety Indicator Lights
- City Water Audible Alarm
- Vibration eliminators on all outside connections
- Remote Status Panel
- Internal Water Bypass
- Flow Switch
- Panel Mount Water, Refrigeration, and Air Pressure Gauges
- Compressed Air System
- 150 Micron City Water Filter
- 150 Micron Chill Water Filter
- Bronze Y Strainer with 20 Mesh Stainless Steel Screen

ACWC-90-DM

7 1/2 - Ton air cooled water chiller.

System will provide 90,000 btu/hr of cooling capacity with a leaving fluid temperature of 50°F and an ambient air temperature of 90°F. The chill water system includes a dual pump system that will provide a maximum flow rate of 55 gpm @ 30 psi on the process side and 30 gpm @ 30 psi with in the chill water loop. This dual pump system is designed to allow for wide variations in heat load.

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Cold Shot Chillers

“ECONOMICALLY PRICED DEPENDABILITY”

TECHNICAL SPECIFICATIONS

CAPACITY ±5% AT 50° LCWT / 90°	7 ½ TON 90,000 BTU / HR	7 ½ TON 90,000 BTU / HR
MODEL	ACWC-90-ESUS	ACWC-90-DM
COMPRESSORS	COPELAND HERMETIC SCROLL	COPELAND HERMETIC SCROLL
EVAPORATOR	STAINLESS STEEL / COPPER BRAZED	STAINLESS STEEL / COPPER BRAZED
FLUID CONNECTION	1¼" MNPT	1¼" MNPT "IN" / 1" MNPT "OUT"
CONDENSOR FAN CFM	1 3800	1 3800
CONDENSER COILS	COPPER TUBE / ALUMINUM FIN	COPPER TUBE / ALUMINUM FIN
VOLTAGE / CONDENSER	208 / 230 460	
VOLTAGE / CHILLER	208 / 230 460	208 / 230 460 / 3
MINIMUM CIRCUIT AMPS CONDENSER	3.5 1.7	
MINIMUM CIRCUIT AMPS CHILLER	72.1 34.3	47.5 24.8
DIMENSIONS	80" L x 40" W x 71" H	43" L x 32" W x 68" H
APPROX. WEIGHT	1500 LBS	950 LBS
PUMP HP	2	1.5 "PROCESS" / 1.0 "CIRCULATION"
PUMP OUTPUT	30 gpm @ 45 psi	55 gpm @ 30 psi
TANK SIZE	40 GALLON	40 GALLON
TANK CONSTRUCTION	304 SS	304 SS

ACWC-90-ESUS

Controls:

Electronic temperature controller with constant leaving and return fluid temperature LED readout and returning water temperature indicator.

Refrigeration Components:

Efficient scroll compressors, sight glass, moisture indicators, balance port expansion valves, filter drier, hot gas bypass pump down valves, hot gas bypass, pump down valves, stainless steel brazed plate evaporator, fan cycling head pressure controls.

Process Fluid Components:

Stainless Steel centrifugal pumps, bronze "Y" strainer with 20 mesh stainless steel screen, insulated stainless steel pressurized reservoir

Safety Controls:

High/Low pressure safety, internal overloads for compressor and fan motors, safety fuses for pump, low water flow safety with manual reset, freeze safety

Construction:

Welded steel powder coated frame and cabinet

Warranty:

One year parts / five year compressor

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