



ACWC-90-EUS ACWC-90-EMUS

**RUGGED
DEPENDABILITY**



ACWC-90-EMUS

7 1/2 - Ton air cooled water chiller suitable for outdoor use. System will provide 90,000 BTU/hr of cooling capacity with a leaving fluid temperature of 50°F and an ambient air temperature of 95°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 an automatic city water switchover.

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

Standard Features:

- Automatic City Water Switchover
- HMI Touchscreen Controls
- Remote Status Panel
- Self Diagnostics
- Network "Ready" to Operate and Control from any PC
- Internal Water Bypass
- Flow Switch
- City Water Audible Alarm
- 50 Micron Chill Water Filter
- 50 Micron City Water Filter



TECHNICAL SPECIFICATIONS

CAPACITY ± 5% AT 50° LCWT/95° AMBIENT	7.5 -TON 90,000 BTU/HR		7.5 -TON 90,000 BTU/HR	
MODEL	ACWC-90-ESUS		ACWC-90-EMUS	
COMPRESSOR	COPELAND HERMETIC SCROLL		COPELAND HERMETIC SCROLL	
EVAPORATOR	STAINLESS STEEL / COPPER BRAZED		STAINLESS STEEL / COPPER BRAZED	
FLUID CONNECTION (IN/OUT)	1 1/4" MNPT		1 1/4" MNPT "IN" / 1 1/4" MNPT "OUT"	
CONDENSER FAN /CFM	1 / 4,700		1 / 4,700	
CONDENSER COILS	COPPER TUBE / ALUMINUM FIN		COPPER TUBE / ALUMINUM FIN	
VOLTAGE / CHILLER	208 / 230	460 / 30	208 / 230	460 / 30
MINIMUM CIRCUIT AMPS CONDENSER	3.5	1.7	N/A	N/A
MINIMUM CIRCUIT AMPS CHILLER	72.1	34.3	48.33	24.8
DIMENSIONS (APPROX.)	80"L x 40" W x 71" H		69" L x 48" W x 75" H	
WEIGHT	1500 LBS		1400 LBS	
PUMP HP	1.5 "PROCESS" / 1.0 "CIRCULATION"		1.5 "PROCESS" / 1.0 "CIRCULATION"	
PROCESS PUMP OUTPUT	30 GPM @ 45 PSI		30 GPM @ 45 PSI	
TANK SIZE	40 GALLON		40 GALLON	
TANK CONSTRUCTION	304 SS		304 SS	
COMPRESSED AIR SYSTEM W/ REFRIGERATED AIR DRYER	1/3 HP COMPRESSOR WITH 12 GALLON TANK AND PRESSURE REGULATOR TO PROVIDE AT LEAST 1.0 FREE CFM @90 PSI		N/A	

CONTROLS:

Electronic HMI/PLC temperature controller with constant leaving and return fluid temperature pressure, refrigerant status, and self-diagnostics. Complete remote control through network computer.

REFRIGERATION COMPONENTS:

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

PROCESS FLUID COMPONENTS:

Stainless steel centrifugal pumps, 50 micron fluid filter, flow meter, insulated stainless steel reservoir with shoe box lid, tank level gauge, and HMI controlled fill and drain.

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 aluminum cabinet.

WARRANTY:

One Year Parts; Five Year Compressor.