



Advanced Test Equipment Corp.

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Industrial Chiller **ACWC-180-E-DP** Datasheet

P/N: 8891952.17; 460/3PPE/60Hz

New two stage portable air-cooled water chiller, Model ACWC-180-E-DP. To provide approximately 180,000 Btu/hr of cooling with 50°F leaving fluid temperature with an ambient temperature of 95 °F. Chiller includes the following:

- One 2 HP process pump to provide 18 GPM @ 59 PSI
- Outdoor Rated Good to 40 °F
- Casters

CAPACITY ±5% AT 50° LCWT / 95°F AMBIENT		180,000 BTU /HR						
COMPRESSOR / REFRIGERANT		TANDEM HERMETIC SCROLL / R410A						
CONDENSER FANS / AIRFLOW		3 / 12000 CFM						
CONDENSER COILS TYPE		COPPER TUBE / ALUMINUM FIN						
EVAPORATOR TYPE		STAINLESS STEEL / COPPER BRAZED						
FLUID CONNECTIONS		1 1/4" MNPT (IN/OUT)						
ELECTRICAL:	V - Ø - HZ	COMP RLA / LRA (ea)	FAN FLA (ea)	(No*) PUMP FLA	MCA	MOCP		
- 5	230 - 3 - 60	25	164	2.4	(1) 5.0 (2) 5.6	74	90	
- 6	460 - 3 - 60	12.2	100	1.4	(1) 2.5 (2) 2.8	36.9	45	
CHILLER PUMP HP / OUTPUT (1)		1.5 HP / 55 GPM @ 30 PSI						
PROCESS PUMP HP / OUTPUT (2)		2.0 HP / 18 GPM @ 59 PSI						
TANK SIZE / CONSTRUCTION		80 GALLON / 304 STAINLESS STEEL TANK WITH LID						
DIMENSIONS		88" L x 39 1/2" W x 70" H						
WEIGHT (APPROX.)		1900 LBS						

Note: All specifications subject to change without notice. Specify voltage and ambient condition upon ordering.

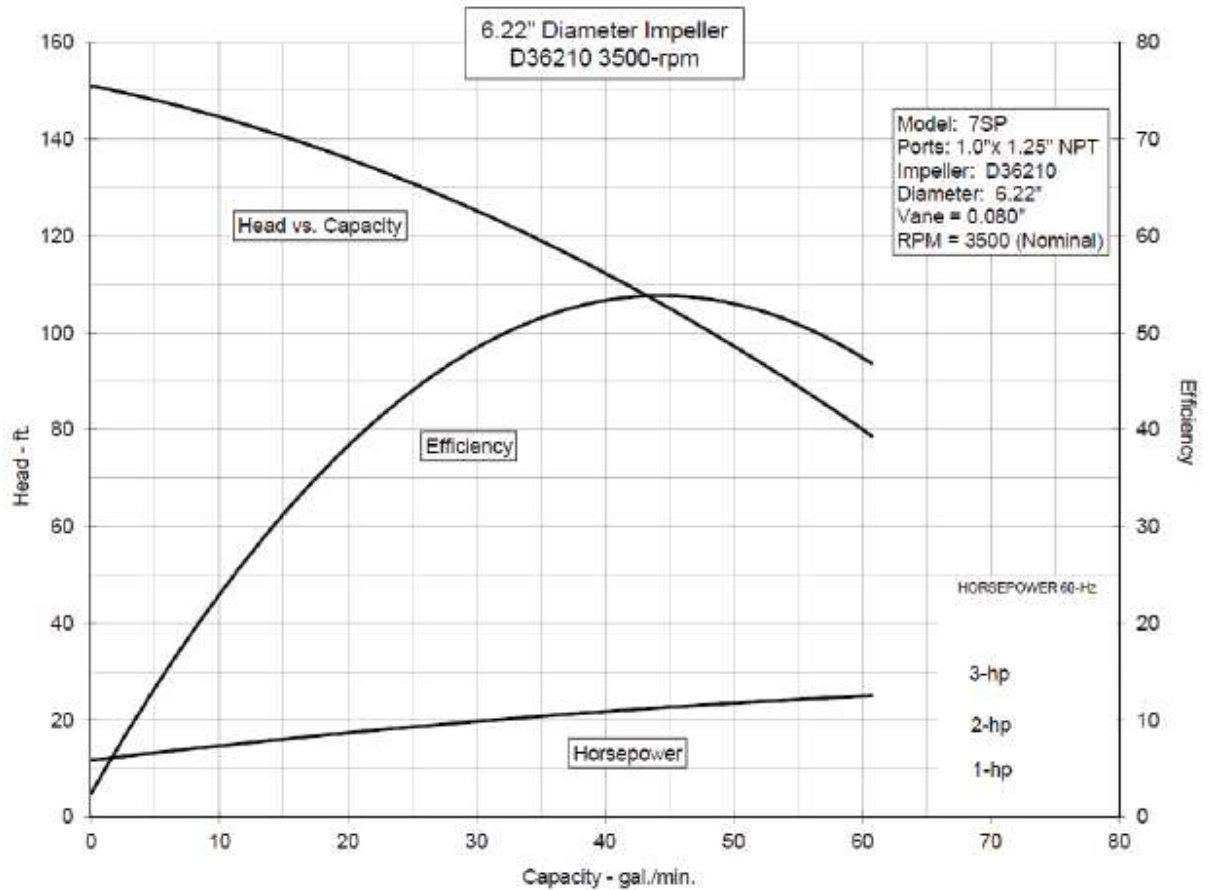
MCA: Minimum circuit amps per UL 1995. MOCP: Maximum overcurrent protective device per UL 1995.

STANDARD FEATURES:

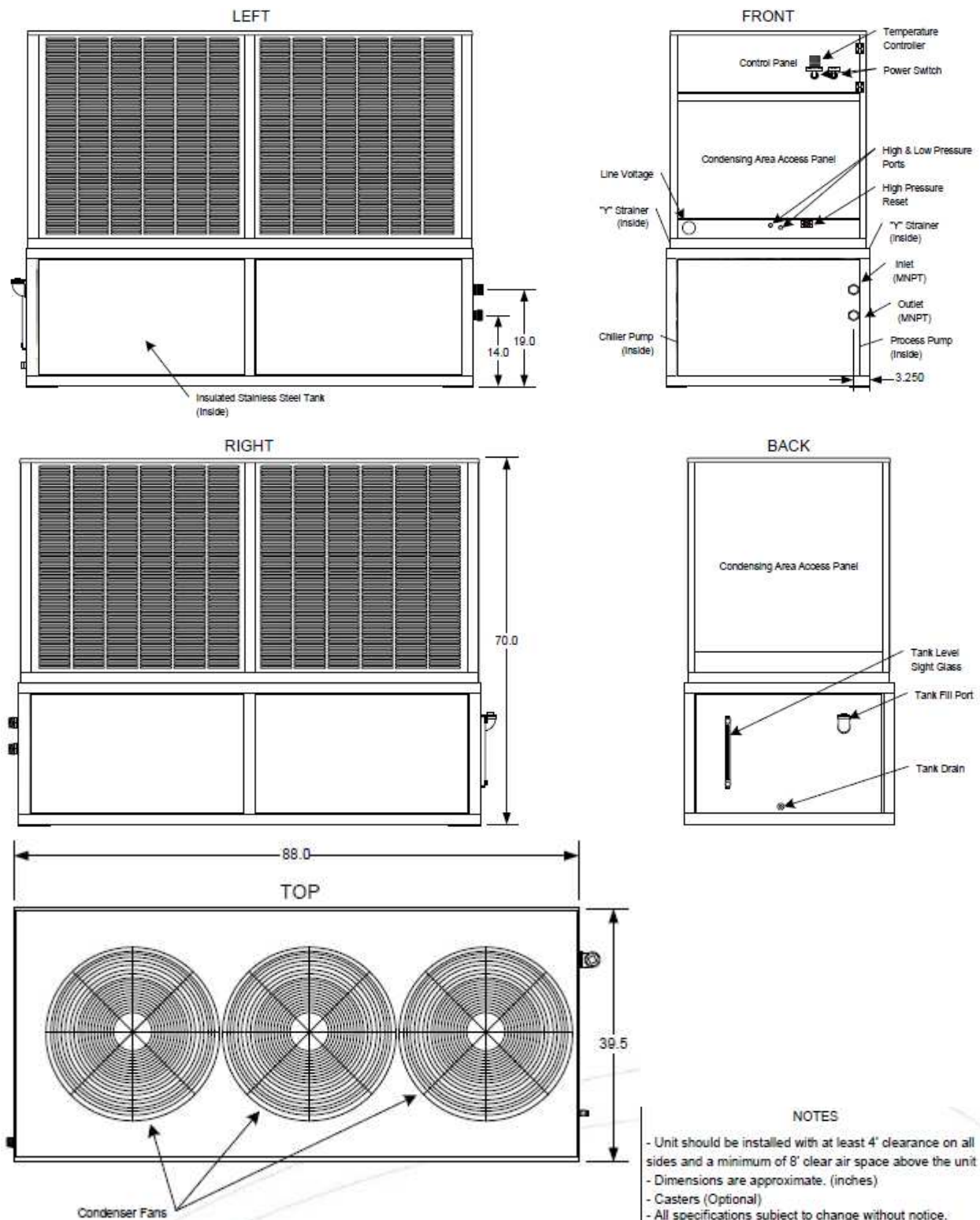
- **Controls:** Electronic programmed temperature controller with constant (set point & process) temperature readout.
- **Refrigeration Components:** Efficient scroll compressors, sight glass/moisture indicators, balanced port expansion valves, filter drier, pump down valves, fan cycling head pressure controls.
- **Process Fluid Components:** Bronze "Y" strainer with 20 mesh stainless steel screen. Pumps are stainless steel centrifugal. Tanks are insulated with shoe box lid, fill port, and level sight glass. Portable systems will include a bypass flow valve.
- **Safety Controls:** High and low refrigerant pressure, high and low fluid temperature, freeze, low water flow, overloads for compressor and fan motors, safety fuses or overloads for pump.
- **Construction:** Welded steel powder coated frame and full metal cabinet, copper piping connections.
- **Warranty:** One year parts / five year compressor.

Process Pump Performance Curve and Data Sheet

2Hp/3Ø Motor ODP/ Pump with 6.22" Impeller and 0.080" Vane at 3500rpm



Unit Dimensions



Flow Diagram

