



ISO 9001: 2000 Certified

capacity: 3 ton

air cooled

application: medical

recommended for: GE

*Signa 1.5 Tesla

True-Ton

high-performance
water chillers



made in the U.S.A.

Model No. 300 AC



Carel PCO XS Controls

- Chiller Diagnostics
- Alarm Sirens
- Alarm history Report
- Interface to common build-systems



Carel Remote

- Shipped w/ 150ft of cable



WEB GATE

- Monitor from remote location



GENERAL DATA

- Energy Saving Design
- Does not use hot gas bypass
- Chiller Compressor cycles on and off based on temperature requirements
- Microprocessor control
- Remote panel interface
- City water switch over box
- All Non-Ferrous plumbing components
- Insulated, double-wall reservoir (non-pressurized)
- All weather - for outside installation
Head pressure fan -20°F
Ambient up to 100°F
- Stainless steel centrifugal pump
- All-copper evaporator
- Powder Coated
- 1 Year parts and labor

Clearance

- Top fan discharge 12 ft
- Condenser (right) 4 ft
- Access panel(left) 4 ft
- Overflow(rear) 2 ft
- Control panel (check code) 3 ft

Options

- High ambient option
- Remote condenser
- Water cooled model
- Quarterly maintenance
- Extended warranty
- Interface into common building systems

Please contact our engineering department for assistance in the selection of the appropriate chiller equipment for your specific application.

CAPACITIES

Chiller Capacity:	3 Tons
@ 44 F Water	36,000 BTU/hr
95 F Ambient	10.6 kW
Reservoir Capacity	40 U.S. Gallons

DIMENSIONS

Width	30.500 in.
Height	43.500 in.
	45.500 in. w/fan guard
Depth	46.000 in.
	50.500 in. w/box

WEIGHT

Dry Weight	850 lbs
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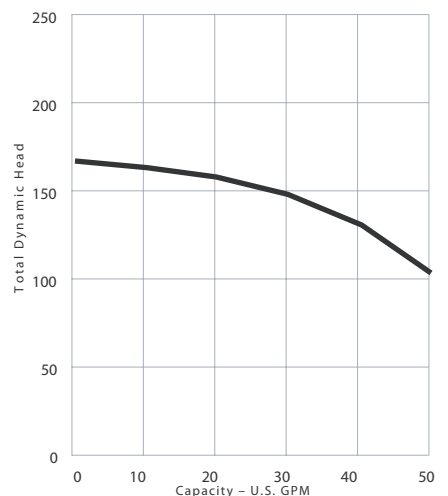
ELECTRICAL

Volts/Phase	230/3 - 460/3 - 230/Δ
FLA(Amps)	19.6 9.8 V
Min Amps	22.7 12 A
Max Fuse(Amps)	30.0 15 I

MISCELLANEOUS SPECIFICATIONS

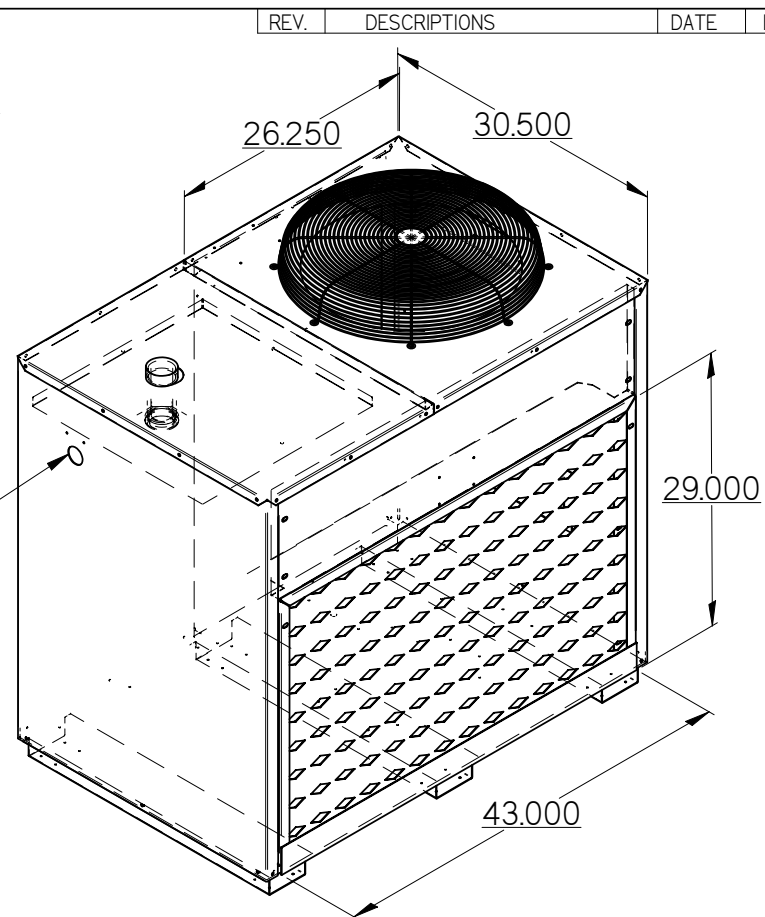
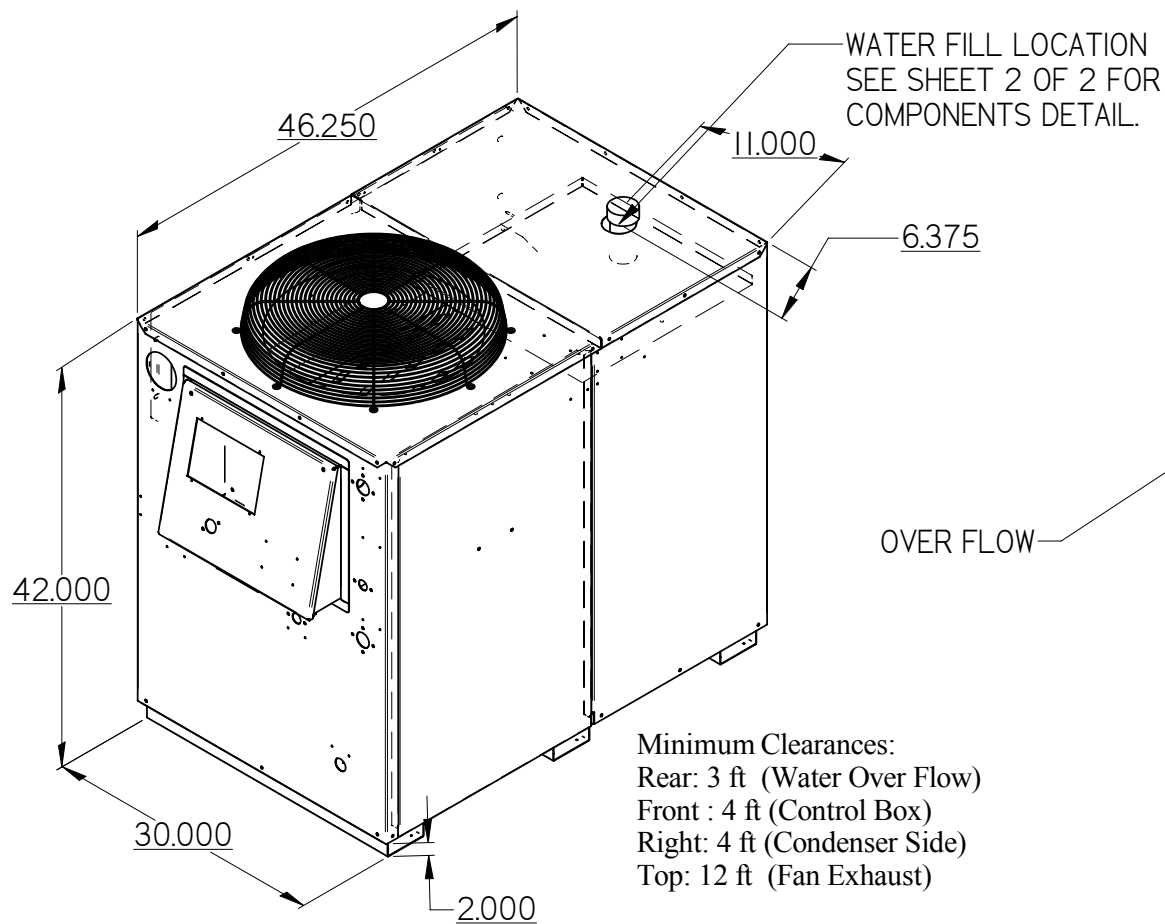
Charge	8.0 Lbs	A
Refrigerant	R-22	B
Compressor FLA(Amps)	12 - 6.0	E
Compressor LRA(Amps)	74 - 37	
Compressor HP	3- HP	U
Compressor Type	Scroll	P
Water Pump FLA(Amps)	5.4 - 2.7	O
Water Pump HP	2 HP	N
Water Pump GPM	45.0 GPM	
Water Pump Pressure	50.0 PSI	R
Fan FLA(Amps)	2.2 - 1.1	E
Fan HP	1/2 HP	Q
Fan Blade Width	18 in.	U
Fans Installed	1 qty.	E
Total Air Flow	2800 CFM	S
Fan Speed	1140 RPM	T
Make-up Connection	1/2 in. N.P.T.	
CHW Connections	1- in. N.P.T.	

PUMP PERFORMANCE CHART (GPM vs. FT)



Most all Schreiber Chillers have been
ETL and CSA Tested and Approved.

Medical Systems | Manufacturing | Process Cooling | Welding | Aerojet | Heavy Equipment | Automotive | HVAC | More



2 - 3 - 4 - 5 CABINET.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ARE: FRACTION DECIMALS ANGLES XX .003 ±5 XXX .015		 Schreiber Engineering		12111 EAST PARK STREET CERRITOS, CA 90703	
MATERIAL		TITLE		COMPLETE CABINET ASSEMBLY 2-3-4-5 TON	
FINISH	BIRCH WHITE	SIZE B	SHT1 B	SHT2 B	DRAWING NO. 500 - 001- ASY
DO NOT SCALE DRAWING		SCALE	DRAWN BY STEVEN Q. LY		DATE 06.10.02
				SHT 1	OF 2

Minimum Clearances:

Rear: 3 ft (Water Over Flow)

Front : 4 ft (Control Box)

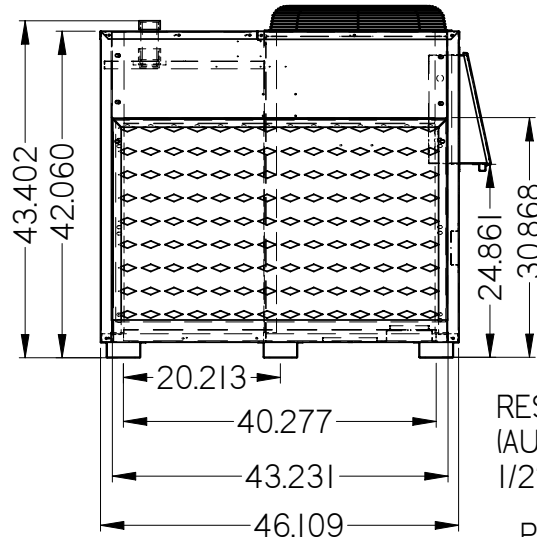
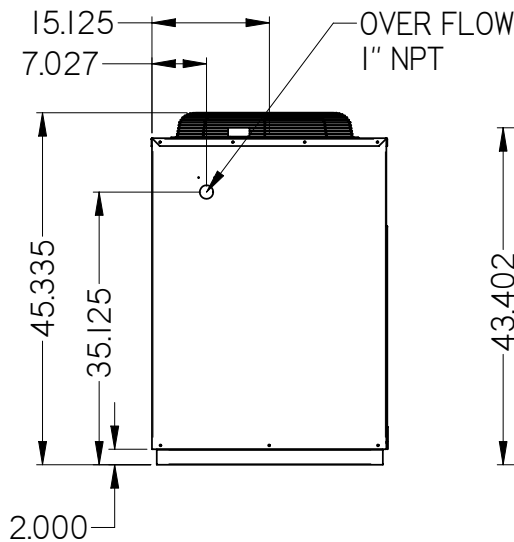
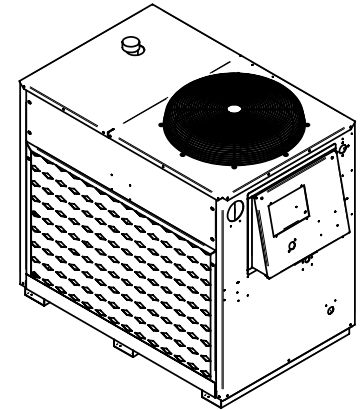
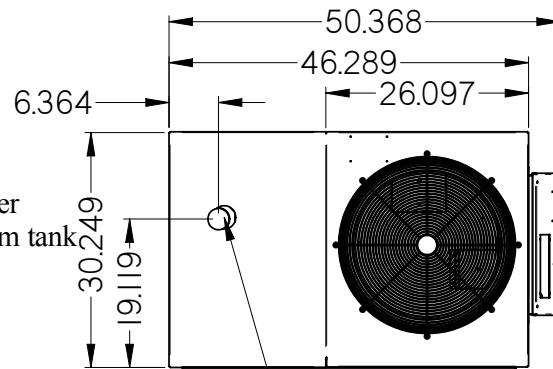
Right: 4 ft (Condenser Side)

Top: 12 ft (Fan Exhaust)

Water drain located inside the chiller
Remove door to drain the water from tank

Note: No clearance requirements
for top and right side for remote
air cooled and water cooled models.

Refrigeration piping connections
for remote condensers are from
the front panel of the chiller.



QUICK
DISCONNECT

WATER PRESSURE
GAUGE

2.936

2.844

ELECTRICAL
CONTROL BOX

WATER RETURN
1" NPT

SIGHT GLASS
(WATER LEVEL)

WATER DISCHARGE
1" NPT

38.000

38.000

20.250

23.250

27.750

7.563

5.560

10.875

RESERVOIR FILL
(AUTOMATIC
1/2" NPT)

PUMP ROTATION
CHECK HOLE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCE ARE:
FRACTION DECIMALS ANGLES
1/16 .003 .015

**Schreiber
Engineering**

12111 EAST PARK
STREET
CERRITOS, CA 90703

TITLE COMPLETE CABINET ASSEMBLY
2-3-4-5 TON

MATERIAL

FINISH BIRCH WHITE

DO NOT SCALE DRAWING

SIZE: B SHT1: B SHT2: B
DRAWING NO. 500 - 001- ASY
DATE: 06.10.02
SHT: OF