



## 30 Ton Air Cooled Industrial Chiller

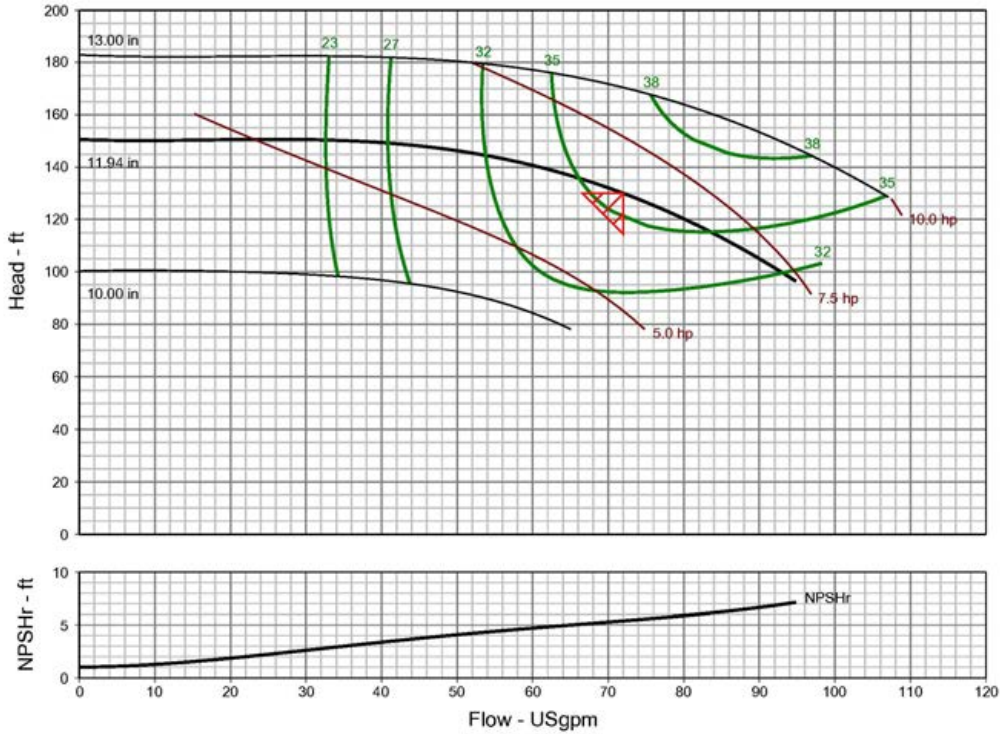


### General

CAT / CLASS	244-0130
Manufacturer	Smart Family of Cooling Products
Unit Model Number	SCOD030AR4
Equipment Fluid Connections	4" Victaulic Conn (Supply/Return)
No. of Refrigeration Circuits	One (1)
Process Pump	7.5HP (72gpm)
Unit Dimensions	152"L x 44"W x 99"H
Unit Ship Weight	5,000 lbs
Certification	ETL / UL 1995 / CSA 236 STD 22.2 / ASME / CRN
Voltage	460V/3PH/60HZ
Power Supply Connections	Single point Series 16 Cam-Lok connections
Compressor RLA	48 A
Unit RLA	65.4 A
Unit MCA	77.0 A (460V)
Internal Fluid Volume	25.2 gallons

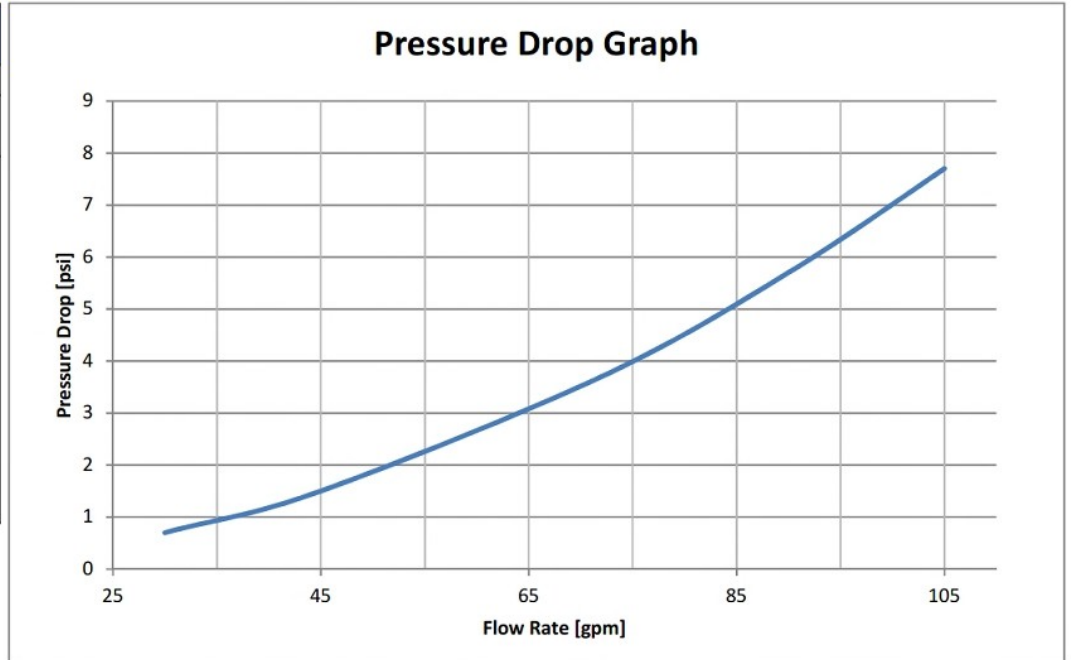


### Process Pump Curve (7.5HP)



### Evaporator Pressure Drop Curve

E-HEX27130	
Water exit = 45°F	
Flow Rate [gpm]	Pressure Drop [psi]
30	0.7
45	1.5
72	3.7
90	5.7
105	7.7



For more information contact:  
**United Rentals**  
 800-UR-RENTS  
 (800-877-3687)



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### Product Data

#### Unit Features:

- One 38HP Copeland Scroll Compressor with Suction Accumulator
- Hot gas bypass Industrial DX Shell & Tube evaporator
- 1x2 fan configuration with (2) Low noise fan blades & motors as well as Yaskawa Brand VFD control with optional bypass switch to run off standard fan cycle switching
- 0.006" thick hydrophilic coated, non-lanced aluminum condenser fins
- Integral hydronic components including:
  - 7.5HP process pump designed to deliver 72gpm @ 130'TDH
    - Capable of flow from 50 to 100 gpm
  - Triple duty valve
  - Suction Strainer
  - Suction isolation valve
  - Valving to allow bypass of pump
  - Vibration isolator on suction & discharge of pump
  - Nema 4 Flow Switch
- Stainless steel hardware with nylon lock-nuts
- Unit capable of operating between +10°F to 105°F ambient temperatures

#### Package Features:

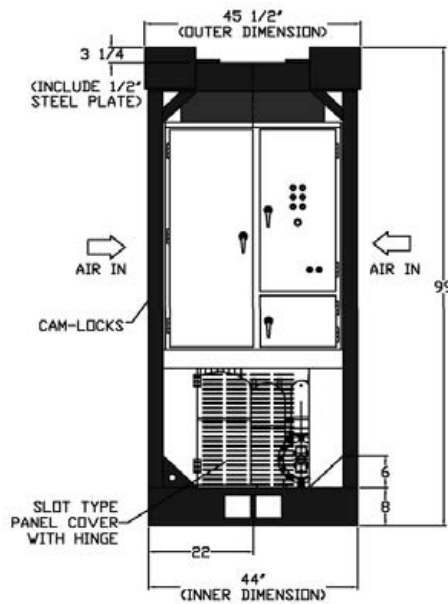
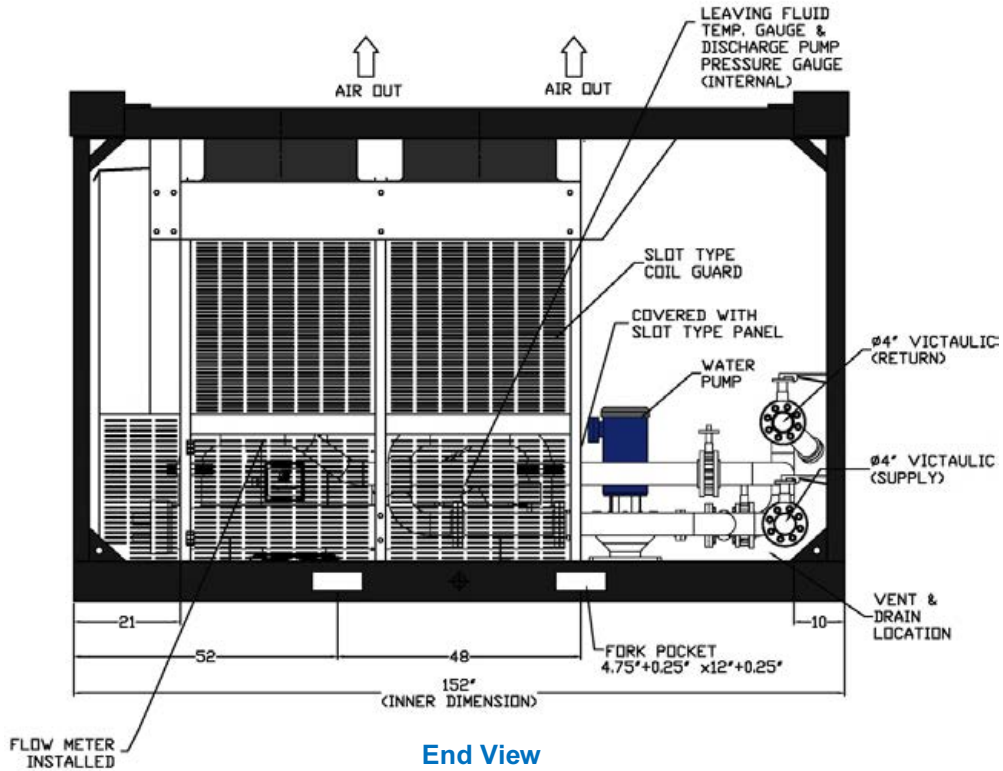
- Phase monitor and Incorrect phase indicator light (red)
- Flow switch with No Flow light
- Circuit Breakers on all motors
- Condenser fan VFD allow for operation in varying ambient conditions
- High and low pressure safety switches
- R-410a refrigerant
- Full tubular rental frame with fork pockets & tie-down points
  - Hot-dipped galvanized
- Overhead certified lift frame
- Entering and leaving air temperature sensors
- Quiet operation
- Optional automatic air vents
- Standard vent/drain connections
- Separated 460V/120V control panels

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### Unit Drawings

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