100 Ton Air Cooled Industrial Chiller

Scan QR Code for Operator Procedure & Start-up Video

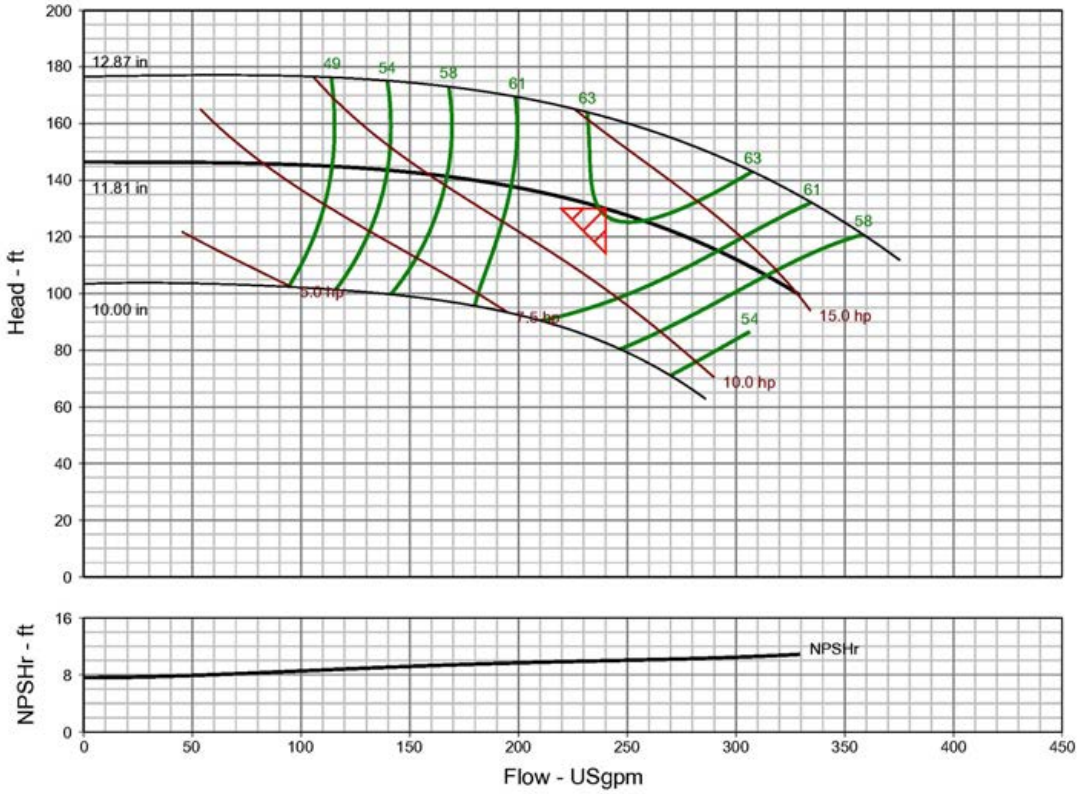
United Rentals SCOD100AR4



General

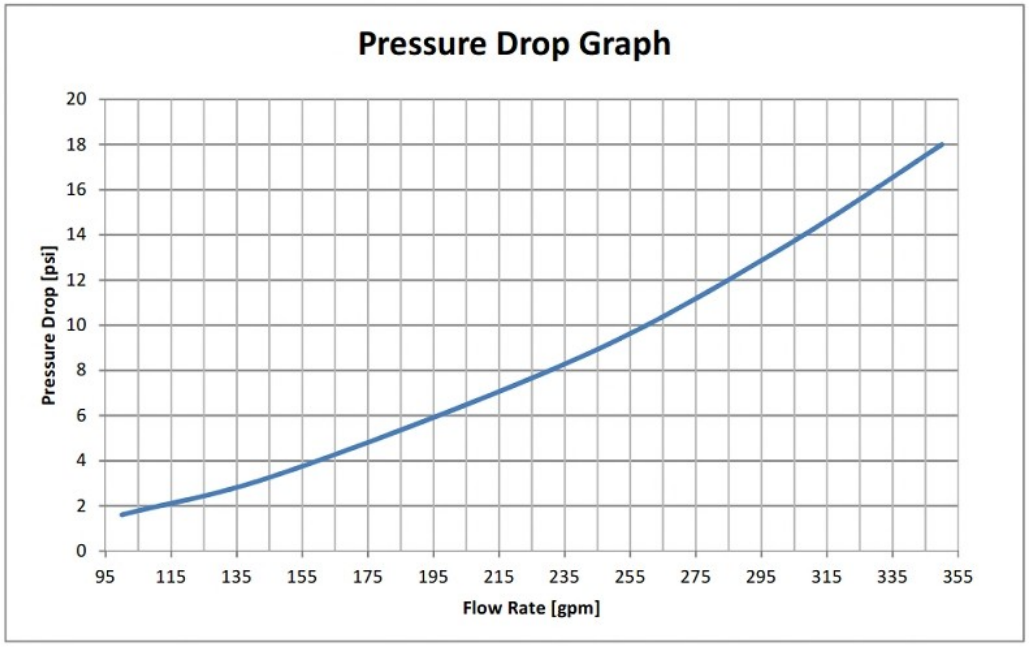
CAT / CLASS	244-0240
Manufacturer	Smart Family of Cooling Products SCOD100AR4
Unit Model Number	4” QC Connections (Supply/Return)
Fluid Connections	Three (3)
No. of Refrigeration Circuits	15HP (240gpm)
Process Pump	180”L x 88”W x 99.75”H
Unit Dimensions	14,200 lbs
Unit Ship Weight Certification	ETL / 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	187.2 A
Unit MCA	199.0 A (460V)
Internal Fluid Volume	59.2 gallons

Process Pump Curve (15HP)



Evaporator Pressure Drop Curve

E-HEX27100	
Water exit = 45°F	
Flow Rate [gpm]	Pressure Drop [psi]
100	1.6
150	3.5
240	8.6
300	13.3
350	18



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

100 Ton Air Cooled Chiller

Product Data

Unit Features:

- Three Independent Refrigeration Circuits
- Three 38HP Copeland Scroll Compressors with Suction Accumulator on each circuit
- Hot gas bypass on each circuit
- Industrial DX Shell & Tube evaporator
- 2x3 fan configuration with (6) Low noise fan blades & motors as well as Yasgawa 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:
    - 15HP process pump designed to deliver 240gpm @ 130'TDH
        - Capable of flow from 160 to 300 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

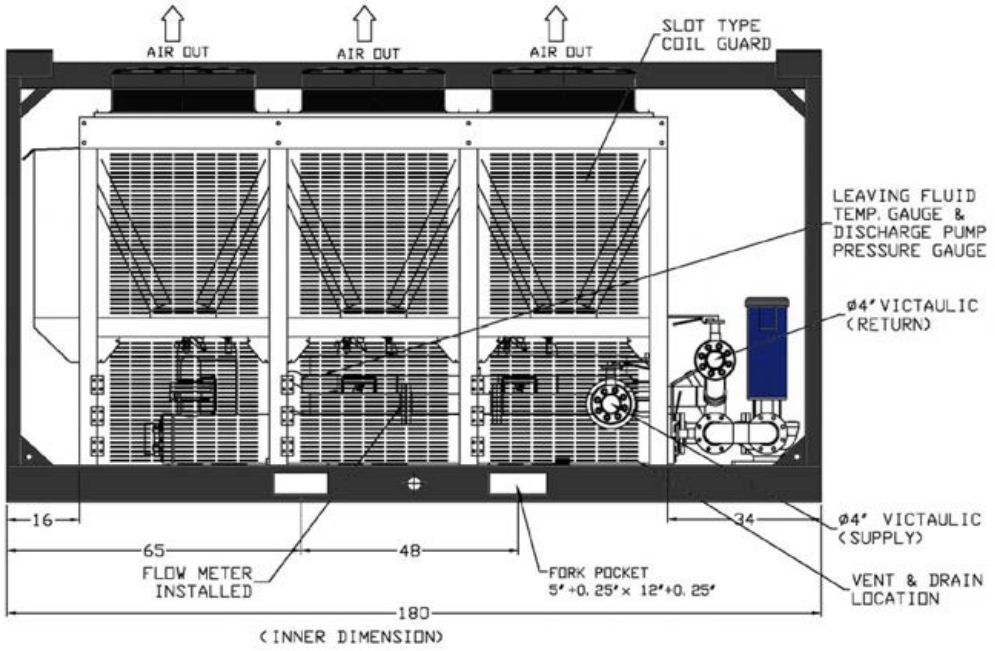
Package Features:

- Phase monitor and Incorrect phase indicator light (red)
- Flow switch with No Flow light
- Circuit Breakers on all motors
- Condenser fan VFD's 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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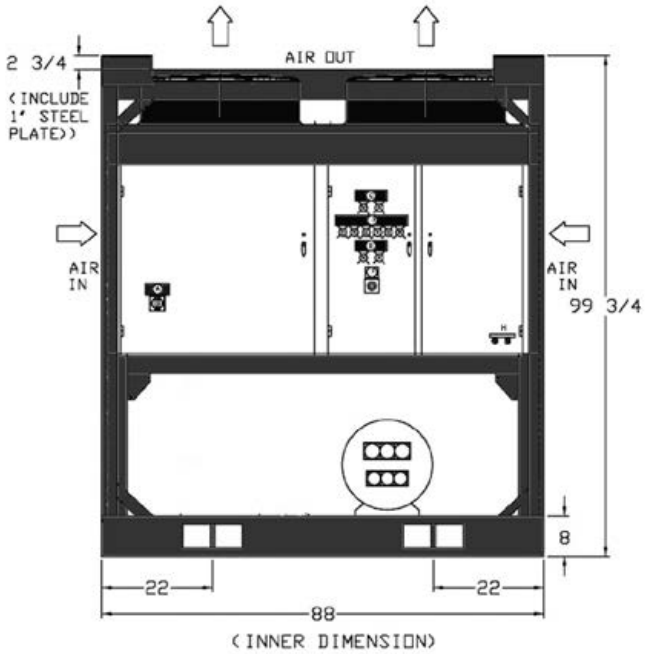
100 Ton Air Cooled Chiller

Unit Drawings



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Side View



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