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Item # C120DW, Light Commercial Desuperheater

Call dii

Heat recovery unit for domestic hot water from commercial hvac systems up to 20 Tons

The Doucette Heat Recovery Unit captures waste heat discharged from the refrigerant cycle in an Air Conditioner or Condensing Unit, and transfers that heat into a water storage tank, thereby creating low cost hot water for domestic or service use. Not only does the Heat Recovery Unit substantially reduce the amount of energy required to provide domestic or service hot water, but it also improves the cooling efficiency of the Air Conditioner or Condensing Unit while it is operating. The Light Commercial models are designed to operate with systems of 6 to 20 tons cooling capacity.

- 230 volt wiring for easy connection to compressor contactor
- Factory wired and preset controls
- Grounded electrical circuit
- Fully automatic operation
- UL approved components
- Water lubricated low wattage Circulator
- High-Efficiency All-Copper Vented Double-Wall Heat Exchanger
- Sturdy Aluminum Cabinet with baked enamel finish for outdoor or indoor use

Specifications	
TR	6 to 10 tons
Estimated Capacity	25,000 Btu/hr
Pump	Taco 008B water lubricated, water cooled, 3250 RPM, 1/25 HP, 230/60/1, Max 16 GPM, Max Head 14 feet. U.L. listed, impedance protected, cartridge type impeller, Bronze casing, non-metallic impeller, ceramic shaft.125 psi, 230 ºF max temp. rating.
Heat Exchanger	All copper, counter flow, double wall and vented for potable water application, insulated; operating pressure, 600 psig, refrigerant, 100 psig water side (for use with R-12, 22, 410, 500 and 502.)
Cabinet	0.04 Aluminum, with Mill finish.
Controls	Water limit, 140 ºF fixed. Plus Refrigerant low limit 125 ºF.

20 Leigh Drive,
York, Pennsylvania 17406-8474

Phone: 717-845-8746
Toll-free: 800-445-7511
Fax: 717-845-2864

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Refrigerant	Run copper hot gas line from the A/C compressor to the HRU and back to the condenser coil. See installation instruction for line sizing.(Never reduce hot gas line size below that in the A/C.) On heat pumps: run the line from the compressor to the HRU and back to the heat pump ahead of the 4-way reversing valve. When possible install HRU above compressor Insulate all lines.
Water	Run lines above ground or roof on 4x4" blocks. Place check valve in water line (out) on multi-unit applications to prevent recirculation. Use copper pipe for longest life.
Cabinet	May be installed horizontally or vertically. (Never install with pump or access door facing down.)
Application	The HRU will provide about 5 gallons of hot water per ton per hour of air conditioning or up to 40 gallons per hour from a 7 1/2 ton A/C. Virtually any application that has central air conditioning and a moderate to heavy use of hot water will realize significant savings.
# Circuits	1
Cleanability	Chemical
Refrig. Conn.	7/8" OD
Water Conn.	7/8" OD
Length	20 "
Width	21 "
Height	6 "
Weight	32 lbs

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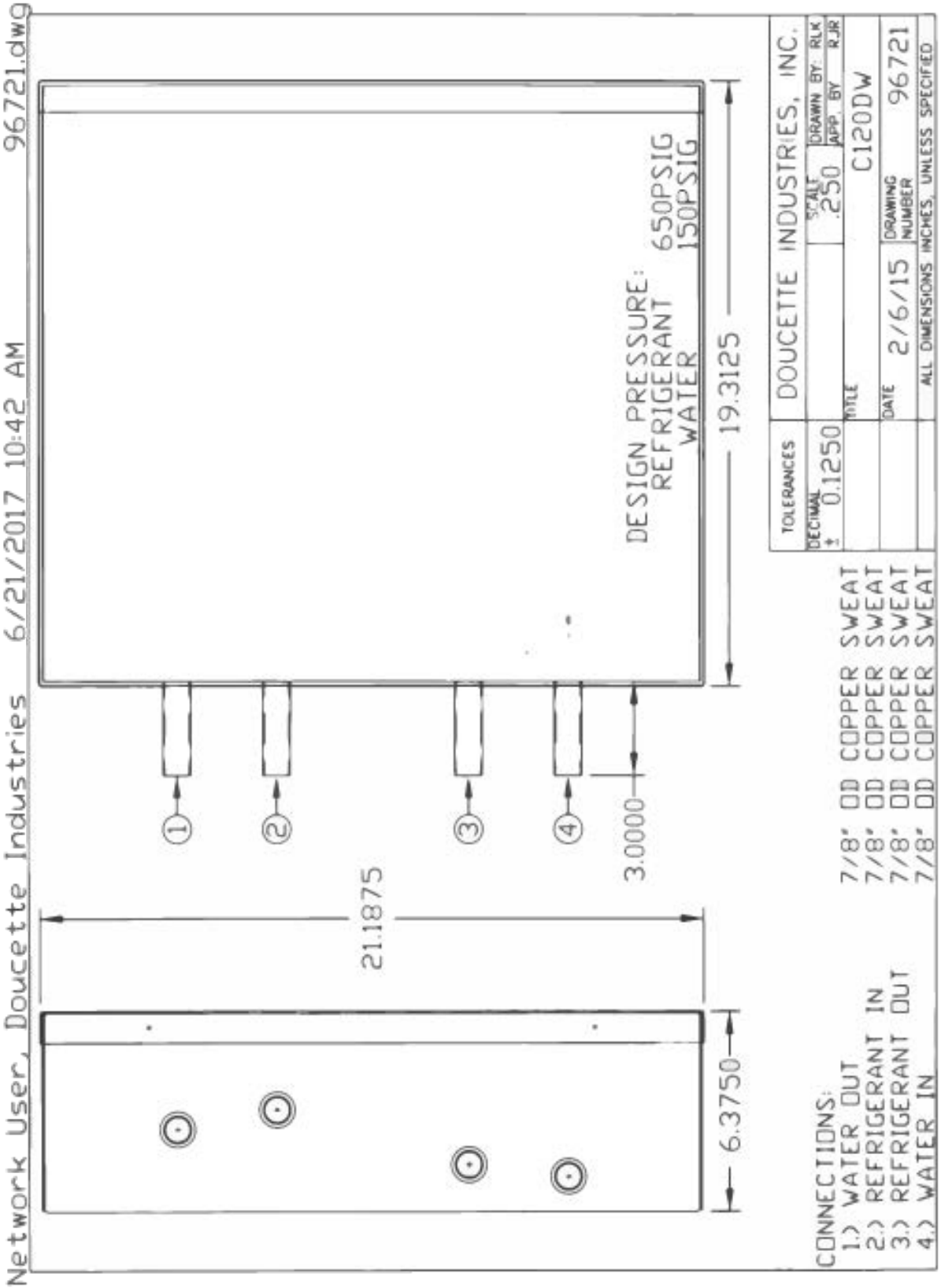

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