

**Tag Data - 284.1 Ton, Water-Cooled Chiller (Qty: 1)**

Item	Tag(s)	Qty	Description	Model Number
A1	6151-X01	1	284.1 Ton, Water-Cooled Chiller ( RTHD )	RTHD

109031

**Product Data - 284.1 Ton, Water-Cooled Chiller**

Item: A1 Qty: 1 Tag(s): 6151-X01

**General Equipment Details (see below for factory specific details)**

Water-Cooled Series R(TM) 284.1.1 tons- over capacity by 0.1 tons  
 Suitable for indoor locations  
 Compressor with Evaporator and Condenser shells  
 C/UL Listing  
 ASHRAE 90.1 compliant  
 ARI certified  
 ASME Pressure Vessel Code  
 Factory Insulation on all Cold Parts  
 Standard Safety Devices  
 Neoprene isolation pads are provided for placement during installation (Fld)  
 Full Factory Refrigerant Charge of HFC-134a, and oil  
 Standard Grooved Water Piping connections  
 150psi/10.5Bar Evaporator and Condenser Water Pressure design pressure  
 460 Volt/60 Hertz/3 Phase  
 Factory Mounted compressor motor starter (Wye-Delta Closed Transition)  
 Mechanical non-fused, Disconnect Switch  
 Dyna-View control panel display  
 Chilled Water Reset - Return Water Temp.  
**Nema 4 Enclosure for the Control panel and motor starter- note: To cool the panel, please provide 70 cfm, of 100 psi compressed air**  
**Programmable relays- four outputs are selectable, from a group of eight**  
**LonTalk LCI-C Interface**

“(Fld)” Indicates an item provided by Trane, but installed by others

**Trane factory start-up is a standard item, and is included in the pricing  
 Owner training is provided (approx 4-6 hours)**

**Warranties:**

- A first year parts warranty for the complete unit
- A 5 year compressor parts warranty (no labor)
- Warranties begin 12 months from dates of start-up, or 10 months from date of shipment, whichever is earlier

**Items not included:** controls (other than internal devices & the Lontalk communication interface), electrical over-current protection for the incoming power wiring, Installation, Handling/Rigging/Unloading, concrete support pad, water balance, flexible piping connections, water pumps or water specialties, heat exchangers,

**Factory specific details**

284.1.1 Ton, Water-Cooled Chiller  
 Water Chiller Business Unit, Pueblo, CO  
 North America distribution - Canada & US  
 Startup Allowance  
 C2 Compressor  
 C/UL Listing  
 ASHRAE 90.1 compliant  
 ARI certified

ASME Pressure Vessel Code  
 Factory Insulation - All Cold Parts  
 English language display  
 Standard Safety Devices  
 Full Factory Refrigerant Charge (134a)  
 D4 Evaporator  
 Internal and External Enhanced Evap Tube  
 3 Pass Evaporator  
 Fluid type = water  
**Left Hand Evaporator Connection (Please confirm that left hand is suitable)**  
 Standard Grooved Pipe  
 150psi/10.5Bar Evaporator Water Pressure  
 E4 Condenser  
 Enhanced Fin - Copper  
 2 Pass Condenser  
 Fluid type = water  
**Right Hand Condenser Connection (Please confirm that left hand is suitable)**  
 Standard Grooved Pipe Connection  
 150psi/10.5Bar Condenser Water Pressure  
 460 Volt/60 Hertz/3 Phase  
 Wye-Delta Closed Transition Starter  
 364 Max RLA Unit Mounted Starter  
 Mech. Disconnect Switch  
**Nema 4 Enclosure with MRLA 364**  
 Dyna-View/English  
**LonTalk LCI-C Interface**  
**Programmable Relays**  
 Chilled Water Reset - Return Water Temp.  
 2nd-5th yr motor/compressor parts

**Performance Data - 284.1 Ton, Water-Cooled Chiller**

<b>Tags</b>	<b>6151-X01</b>
<b>Capacity (tons)</b>	<b>284.1.10</b>
Unit power (kW)	193.30
Efficiency (kW/ton)	0.680
NPLV (kW/ton)	0.567
Full load sound pressure (ARI Condition) (dBA)	83
Refrigerant charge (HFC-134a) (lb)	490.0
Evap entering temp (F)	50.90
<b>Evap leaving temp (F)</b>	<b>41.00</b>
<b>Evap flow rate (gpm)</b>	<b>682.00</b>
Evap fluid concentration (%)	0.00
Evap fluid freeze point (F)	32.00
Evap pressure drop (ft H2O)	20.60
Evap fouling factor (hr-sq ft-deg F/Btu)	0.00010
<b>Cond entering temp (F)</b>	<b>83.00</b>
Cond leaving temp (F)	92.70
<b>Cond flow rate (gpm)</b>	<b>840.00</b>
Cond fluid concentration (%)	0.00
Cond pressure drop (ft H2O)	21.40
Cond fouling factor (hr-sq ft-deg F/Btu)	0.00025
Run load amps (A)	279.40
Min circuit ampacity (A)	349.30
Max overcurrent protection (A)	600.00
Starter expected inrush (A)	469.00
Motor locked rotor amps (A)	1453.00