

# Custom Design Evaporator Specification Data

## Customer Information

Company \_\_\_\_\_

Contact Name \_\_\_\_\_ Date \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-Mail: \_\_\_\_\_

## Evaporator Type

Brazed Plate

Shell-and-Tube

fouling factor \_\_\_\_\_(0.0001 ARI standard)

refrigerant \_\_\_\_\_

suction temperature \_\_\_\_\_°F of refrigerant  
at evaporator

## Evaporator Design

DX serviceable, no. circuits \_\_\_\_\_

Flooded serviceable

## Fluid Circulated

water \_\_\_\_\_%

ethylene glycol \_\_\_\_\_%

propylene glycol \_\_\_\_\_%

calcium chloride (CaCl<sub>2</sub>) \_\_\_\_\_%

sodium chloride (NaCl) \_\_\_\_\_%

other \_\_\_\_\_%

*specify properties at outlet temperature*

## Performance

inlet fluid temperature \_\_\_\_\_°F

outlet fluid temperature \_\_\_\_\_°F

net load \_\_\_\_\_ tons

pressure drop \_\_\_\_\_ psi

specific gravity \_\_\_\_\_

thermal conductivity \_\_\_\_\_

viscosity (centipose) \_\_\_\_\_

specific heat \_\_\_\_\_

## Construction

size: width \_\_\_\_\_ length \_\_\_\_\_ height \_\_\_\_\_

materials: shell \_\_\_\_\_ tube \_\_\_\_\_

connections: refrigerant inlet \_\_\_\_\_ refrigerant outlet \_\_\_\_\_

specify ids, fpt, flange or flare: fluid inlet \_\_\_\_\_ fluid outlet \_\_\_\_\_

Application

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