GREE
Air comfort for all

GREE Heat Pump System Analyzer

All applicable fields must be completed

Customer / Location Name _____ Job Address: _____

Dealer: _____ Date: _____

Technician's Name: _____ Installation date: _____

MODEL INFO

	Model #	Serial #
Air handler or coil:		
Outdoor Unit:		
Air Cleaner:		
UV Lights:		
Thermostat:		
Other:		
Humidifier:		

ELECTRICAL INFO

Control Voltage: _____ Vac

Supply Voltage: _____ Vac _____

L1-L2 _____ Vac

L1-G ⏚ _____ Vac L2-G ⏚ _____ Vac

OUTDOOR

Air Temp Entering Outdoor Coil: _____°F

Air Temp Leaving Outdoor Coil: _____°F

Outdoor Fan Amps: _____ amps

Htg.Metering Device: _____ txv_____ piston #_____

Line Set Length: _____ ft

Line Set Size: Suc____ in, Liq _____ in

COMPRESSOR DATA

Comp. Start Voltage: _____ Vac

Comp. Run Amps: U _____ V _____ W _____

U→V= _____ Ω

Refrigerant Pressures Equal? _____ yes _____ no U→W= _____ Ω

_____ yes _____ no U→W= _____ Ω

AIRFLOW

Electric Heat Temp Rise FM Method

Volts = _____ Amps = _____

Ret. Air Temp. _____ °F Sup. Air Temp _____ °F

cfm = _____

Electric Heat Temp Rise Method

$$cfm = \frac{(Volts)(Amps)(3.413)}{1.08\ (\Delta T)}$$

Total External Static Method *

Ret. Static + Sup. Static = Total External Static

Use the ota External Static in coniunction with the Blowe

Performance data in the Product Specification Sheets

NOTE: **325-400** CFM PER TON

REFRIGERANT PROPERTIES

A. Vapor Line Temp. _____ @ Indoor Coil

at outdoor service valve: _____ °F SuperHeat _____ °F (A-B)

B. Vapor Pressure at outdoor service valve: _____ psig _____ °F

C. Liquid Line Temp. _____ at outdoor service valve: _____ °F Sub-Cooling _____ °F (C-D)

D. Liquid Pressure at outdoor service valve: _____ psig _____ °F

INDOOR PROPERTIES

Air Temp Entering Indoor Coil: _____ °FDB _____ °FWB

Air Temp Leaving indoor Coil: _____ °FDB _____ °FWB

Airflow: _____ CFM Sub-Cooling _____ °F

Supply Static*: _____ W.C. (Used with Total External Static Method)

Return Static*: _____ W.C. (Used with Total External Static Method)

Clg. Metering Device: _____ TXV _____ piston # _____

Blower Amps: _____ amps

Filter Type: _____

Dip Switch Settings: (1) _____ (2) _____ (3) _____ (4) _____ (5) _____ **(6)** _____ (7) _____ (8) _____

Outdoor unit capacity dip switch setting: _____

SYSTEM CAPACITY (Cal. On page 2)

Htg. Capacity (HP): _____ btuh

(Clg. Capacity (AC/HP): _____ btuh

Htg. System Capacity Method btu's = (cfm)(1.08(ΔT)

btu's= _____

For split systems, is the indoor unit application - ☐ Horizontal ☐ Vertical

Any traps in the refrigerant line? ☐ Yes ☐ No If yes, where? Inverted or Std.?_____

Suction Drier Installed? ☐ Yes ☐ No If yes, for how long? _____ What is the temperature drop across it? _____

Liquid Drier Installed? ☐ Yes ☐ No If yes, what is the temperature drop across it? _____

Are the refrigerant lines buried? ☐ Yes ☐ No If yes, how far?_____

HEAT PUMP JOBSITE SHEET

REMEMBER:

MODEL: _____

SERIAL: _____

Note: Sat. Temp. is pressure converted to Temp.

Circle One

Heat Mode

Cool Mode

_____	Saturation Temp.	_____	Saturation Temp.
Low side PSIG		High side PSIG	

Formula For Super Heat

_____ Vapor Line Temp.

– _____ Minus Sat Temp.

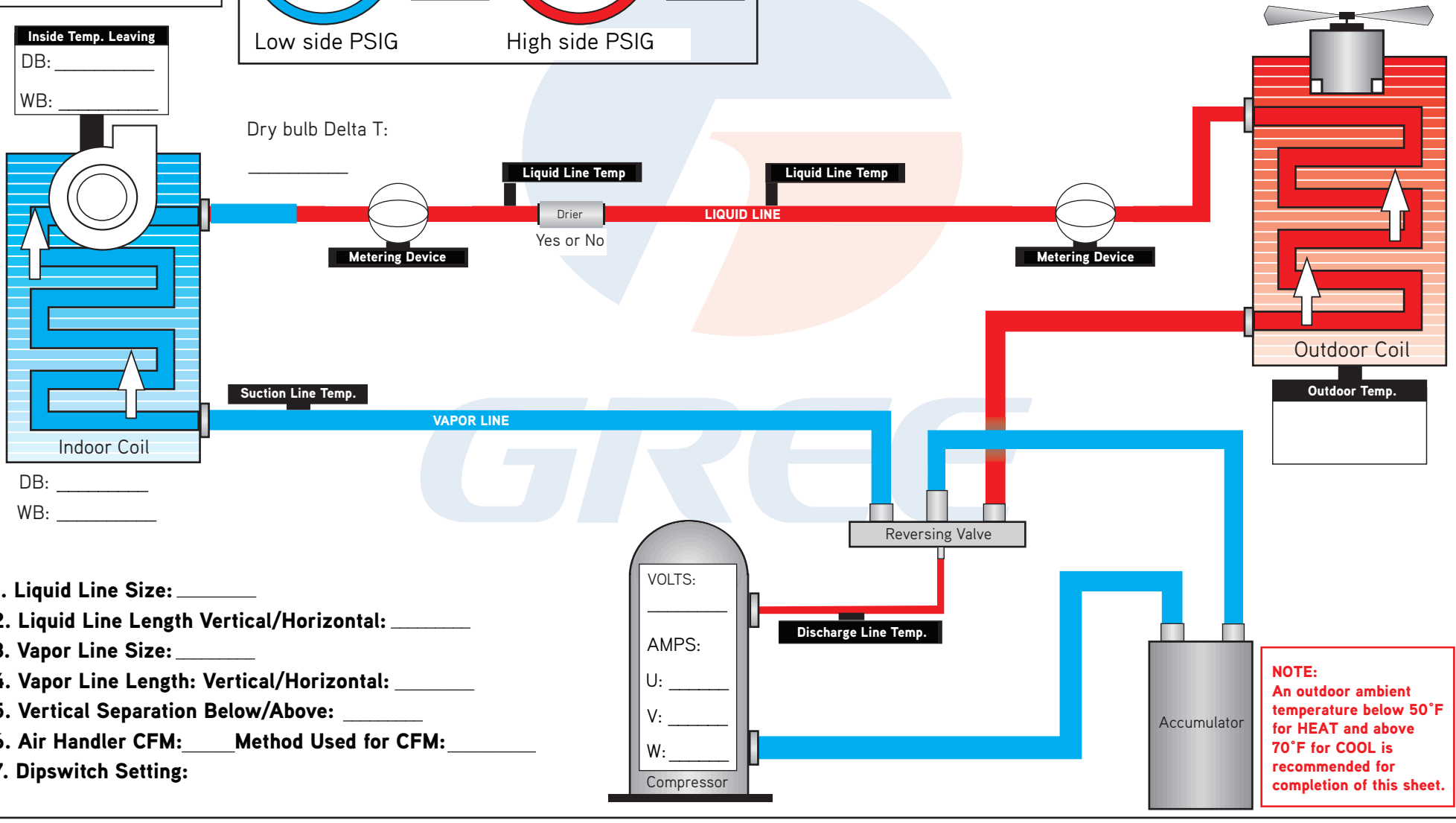
_____ Equals Super Heat

Formula For Sub Cooling

_____ Sat Temp.

– _____ Minus Liquid Line Temp.

_____ Equals Sub Cooling



1. **Liquid Line Size:** _____
2. **Liquid Line Length Vertical/Horizontal:** _____
3. **Vapor Line Size:** _____
4. **Vapor Line Length: Vertical/Horizontal:** _____
5. **Vertical Separation Below/Above:** _____
6. **Air Handler CFM:**_____**Method Used for CFM:**_____
7. **Dipswitch Setting:**

NOTE:
An outdoor ambient temperature below 50˚F for HEAT and above 70˚F for COOL is recommended for completion of this sheet.