Gustave A. Larson Company

Heat Pump System with Air Handler
Job-Site Information Sheet

Date _____
Case # _____

Owner

Name _____
Street _____
City _____ Zip_____
State _____
Phone _____

Servicing Contractor:

Name _____
Street _____
City _____ Zip_____
State _____
Phone _____

Equipment Information:

Heat Pump: Model # _____ Serial # _____ Date Installed: _____
Evaporator: Model # _____ Serial # _____ Date Installed: _____
Air Handler: Model # _____ Serial # _____ Date Installed: _____
Furnace: Model # _____ Serial # _____ Date Installed: _____

Description of Problem: _____

_____

_____

_____

_____

Actions Taken to Correct Problem: _____

_____

_____

_____

_____

Notes: _____

_____

_____

_____

_____

_____

_____

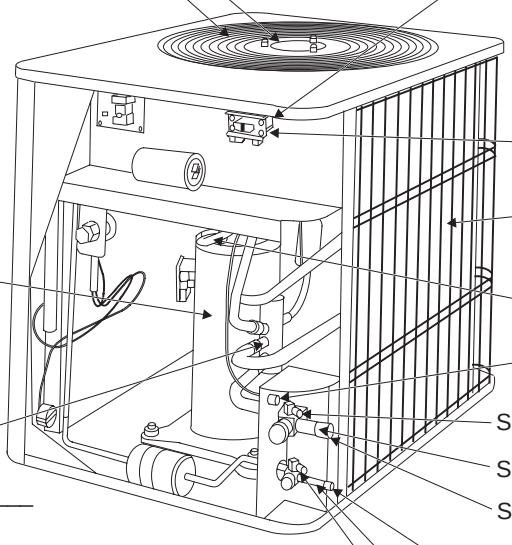
_____

_____

Outdoor Unit Data

IMPORTANT: *Run unit at least 10 minutes before taking measurements, except for the Standby Line Voltage measurements, which should be taken before the unit is turned on.*

Heat Pump Data – Cooling Mode



Condenser Air Discharge Temperature _____°F

Outdoor Fan Amps _____

Line Voltage:
Standby _____
Starting _____
Running _____
Wire Size _____

Outdoor Temperature _____°F

Low Voltage _____

Coil Condition (dirty/clean) _____
Fin Condition _____

Compressor Amps:
Starting _____
Running _____

Discharge Line Temperature _____°F

True Suction Port Pressure _____

Suction Pressure (B) _____

Reversing Valve:
Energized - 24V? (yes/no) _____

Suction Line Temperature (A) _____°F

Suction Line Set Size _____ Length _____

Liquid Line Set Size _____ Length _____

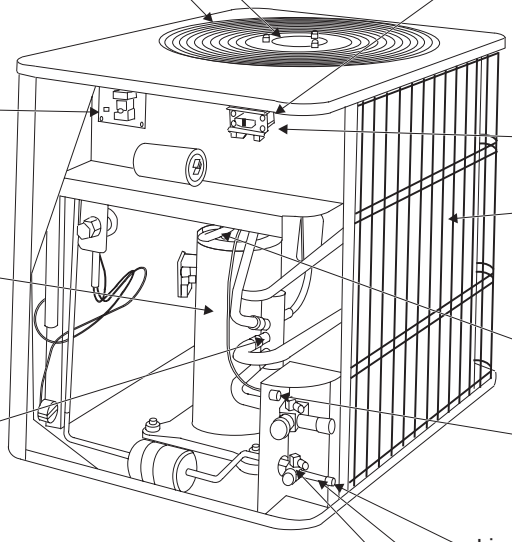
(A) – (B) temp. conversion = _____°F Superheat

Liquid Line Temperature (C) _____°F

(C) – (D) temp. conversion = _____°F Subcooling

Liquid Pressure (D) _____

Heat Pump Data – Heating Mode



Condenser Air Discharge Temperature _____°F

Outdoor Fan Amps _____

Line Voltage:
Standby _____
Starting _____
Running _____
Wire Size _____

Defrost Control:
24V between R + C? _____
DFS Closed/Open? _____

Low Voltage _____

Coil Condition (dirty/clean) _____
Fin Condition _____

Compressor Amps:
Starting _____
Running _____

Discharge Line Temperature _____°F

True Suction Port Pressure _____

Reversing Valve:
Energized? (yes/no) _____

Liquid Line Set Size _____ Length _____

Liquid Line Temperature _____°F

Outdoor Temperature _____°F

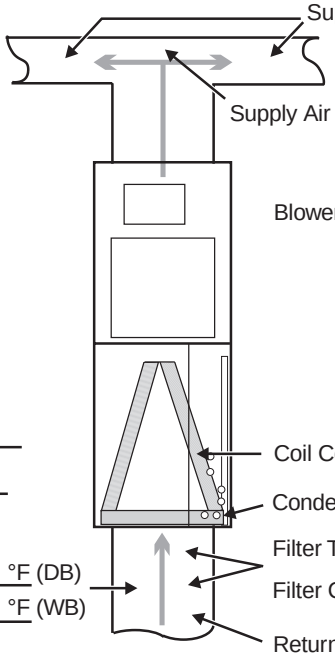
Liquid Pressure _____

Indoor Unit Data

Although the following graphics show an A coil, some air handlers utilize a slant slab coil instead. The same data needs to be recorded regardless of the coil type.

Upflow

IMPORTANT: *Run unit at least 10 minutes before taking measurements.*



Supply Air Temperature (A) _____ °F (DB)
_____ °F (WB)

Supply Air Static Pressure + _____ " W.C.

Type of Metering Device:

TXV _____

Piston (Size) _____

Cap Tube _____

Line Voltage _____

Low Voltage _____

Suction Line Size _____

Liquid Line Size _____

Blower Motor Speed Tap (Cooling) _____

Plenum Size:

Return _____

Supply _____

Number of Runs _____

Coil Condition _____

Condensate Trap? (yes/no) _____

Filter Type/Size _____

Filter Condition _____

Return Air Temperature (B) _____ °F (DB)
_____ °F (WB)

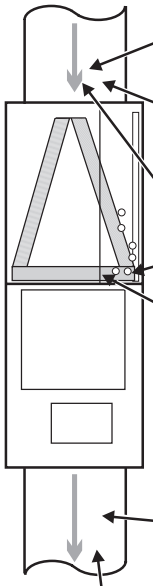
Return Air Static Pressure − _____ " W.C.

Total Static Pressure _____ " W.C.

(B) – (A) = _____ °F Temperature Drop

Counterflow

IMPORTANT: *Run unit at least 10 minutes before taking measurements.*



Filter Type/Size _____

Filter Condition _____

Type of Metering Device:

TXV _____

Piston (Size) _____

Cap Tube _____

Return Air Temperature (B) _____ °F (DB)
_____ °F (WB)

Return Air Static Pressure − _____ " W.C.

Condensate Trap? (yes/no) _____

Line Voltage _____

Low Voltage _____

Coil Condition _____

Plenum Size:

Return _____

Supply _____

Suction Line Size _____

Liquid Line Size _____

Number of Runs _____

Supply Air Temperature (A) _____ °F (DB)
_____ °F (WB)

Supply Air Static Pressure + _____ " W.C.

Blower Motor Speed Tap (Cooling) _____

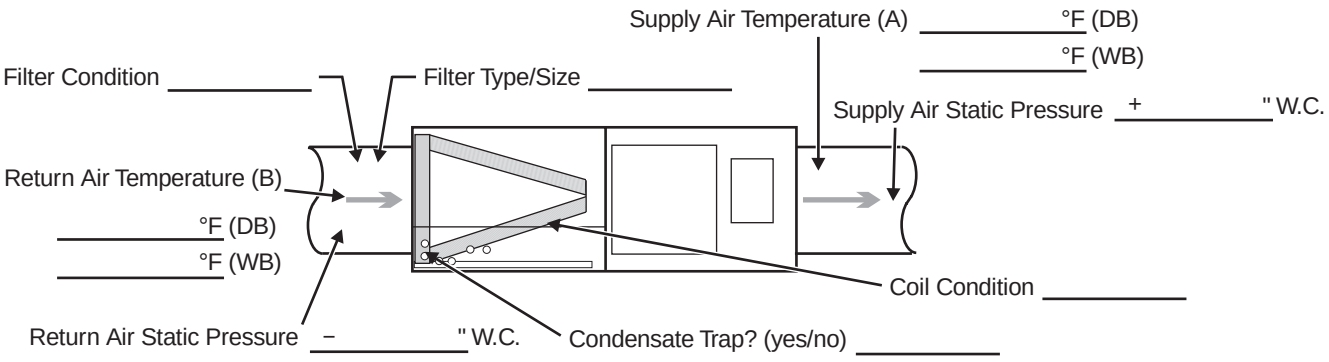
Total Static Pressure _____ " W.C.

(B) – (A) = _____ °F Temperature Drop

Indoor Unit Data (cont.)

Horizontal – Left to Right Airflow

IMPORTANT: *Run unit at least 10 minutes before taking measurements.*



Type of Metering Device:

TXV _____

Piston (Size) _____

Cap Tube _____

Line Voltage _____

Low Voltage _____

(B) – (A) = _____ °F Temperature Drop

Total Static Pressure _____ " W.C.

Blower Motor Speed Tap (Cooling) _____

Suction Line Size _____

Liquid Line Size _____

Plenum Size:

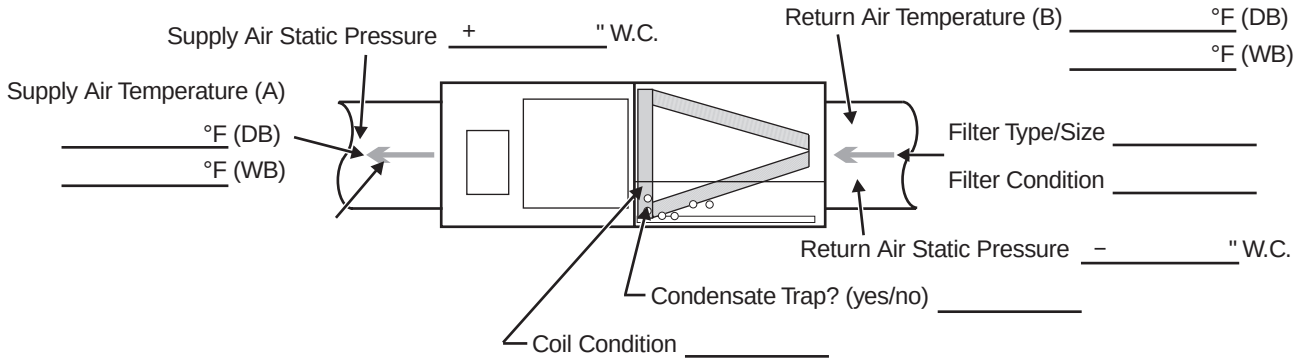
Return _____

Supply _____

Number of Runs _____

Horizontal – Right to Left Airflow

IMPORTANT: *Run unit at least 10 minutes before taking measurements.*



(B) – (A) = _____ °F Temperature Drop

Total Static Pressure _____ " W.C.

Blower Motor Speed Tap (Cooling) _____

Suction Line Size _____

Liquid Line Size _____

Plenum Size:

Return _____

Supply _____

Number of Runs _____

Type of Metering Device:

TXV _____

Piston (Size) _____

Cap Tube _____

Line Voltage _____

Low Voltage _____