

HVAC SYSTEM OBSERVATIONS

Allen SERVICE
PLUMBING • HEATING • AIR
The Name You Know and Trust!

Client: Michael Trinchetto
Address: 5619 Osburn Dr Windsor
Best Phone Number: 970-631-2112
Date: 3-4-22 Invoice Number: 204564
Allen Service Professional: Cole/Shane

Observations: We were called today to perform a system check. We performed a thorough evaluation of the system. We checked all components to ensure that they were in operational order. We also saw that the blower wheel had become a bit dirty with build up of drywall dust beginning to form on it.

See Below:

Option A: Immediate Repair To Get System Up & Going Today

Description:

System is operating at this time

Option B: System Restorations To Refresh System To Almost New

Description:

relevel A/C unit

173

Blower Clean

338

SPP Membership

9.dsm / 197

Option C: Replacement Options By A Supervisor

Thank You For Being a Client

Customer: Micheal Trinchetto Service Partner: Y/N Date: 3/4/22
 Technician: cole/shane WO/Invoice#: 2045541
 Cooling Tonnage: _____ Heating BTUs: 80k

1	
2	
3	
4	

Outdoor Temp	Outdoor Wet-Bulb	Indoor Temp	Indoor Wet-Bulb
Checked OKAY - Safe at this time		CAUTION -MAY REQUIRE FUTURE ATTENTION	UNSAFE or REQUIRES ATTENTION

New equipment up to 5 years old, complete blue highlighted information only. 6+ years, fill out entire form. Good Fair Poor

1 Thermostat Evaluation

Thermostat: Note type, assess location and customer satisfaction Prog Non Prog Mercury Smart / WiFi ● ● ●

2 Duct System Evaluation

Duct Environment Conditioned space Unconditioned Space

Insulation integrity: Note the type, assess the condition None Partial ● ● ●

Duct integrity: Condition, quality of workmanship, leakage Notes: ● ● ●

Return air registers: Take temps, assess locations, cleanliness Return Temps 1: 73 2: _____ 3: _____ ● ● ●

Supply air registers: Take temps, assess locations Supply Temps 1: 135 2: _____ 3: _____ ● ● ●

Hottest Rooms: _____ Coldest Rooms: _____

Total System Static: 3 + 2 = _____ "Blood Pressure Test" ● ● ●

Total System Airflow / Temp Specs Expected: 40-70 Actual: 62 ● ● ●

3 Indoor Equipment Evaluation

Filter: Note size & type, Pressure Drop; Assess condition Age of equipment Warranty ● ● ●

Blower Assembly: Assess Bearings, Belt, Pulleys; check all that apply: Size: 20x25/1 Type: Pleated ● ● ●

Condensate pump and piping; 2 gallon test MERV: chase ΔP 2 - 1 = _____ Vibration Noise Dirty ● ● ●

Blower Motor: Amp test; Capacitor reading, Factory max. amps 8.2 Start Amps: 12 Run Amps: 5.2 Cap: 7.5 μF ● ● ●

Vent Pipe, Draft Hood, Roof Vent Cap, Combustion Air; Assess condition Motor type: Fixed Variable AC DC ● ● ●

Inducer & Pressure Switches Factory max. amps 2.3 Amps: 2.3 Inches WC: 2.9 ● ● ●

Ignitor: Assess condition *Inches W.C. .6 Ohms: 55.6 ● ● ●

Flame Sense circuit; Assess condition mA: 28 ● ● ●

Gas Valve inspection / Gas Leaks None found Notes: ● ● ●

Combustion Analysis Test 80% 90+% Efficiency % _____ ● ● ●

High Limit Time to Trip: _____ Temp at Trip 4: _____ ● ● ●

★ 2-Part Safety Check: Heat Exchanger 6+ Year Old Equipment

Carbon Monoxide (CO) Test ppm _____ ΔT 4 - 1 = _____ ● ● ●

Evaporator Coil: Assess overall condition; check all that apply: (behaves like a secondary filter, must be kept clean) Leak Evidence Blocked Dirty Insulation problems ● ● ●

ΔP 4 - 3 = _____ ΔT 4 - 3 = _____

4 Outdoor Equipment Evaluation

Condenser Cabinet: Assess overall condition; check all that apply: Age of equipment Warranty ● ● ●

Condenser Fan Specifications: Factory amp rating max: _____ Vibration Excessive noise Line set insulation issues ● ● ●

Manufacture Specs: LRA _____ Cap _____ Coil plugged/dirty Not Level Leak evidence ● ● ●

Refrigerant Check Amps: _____ Volts: _____ ● ● ●

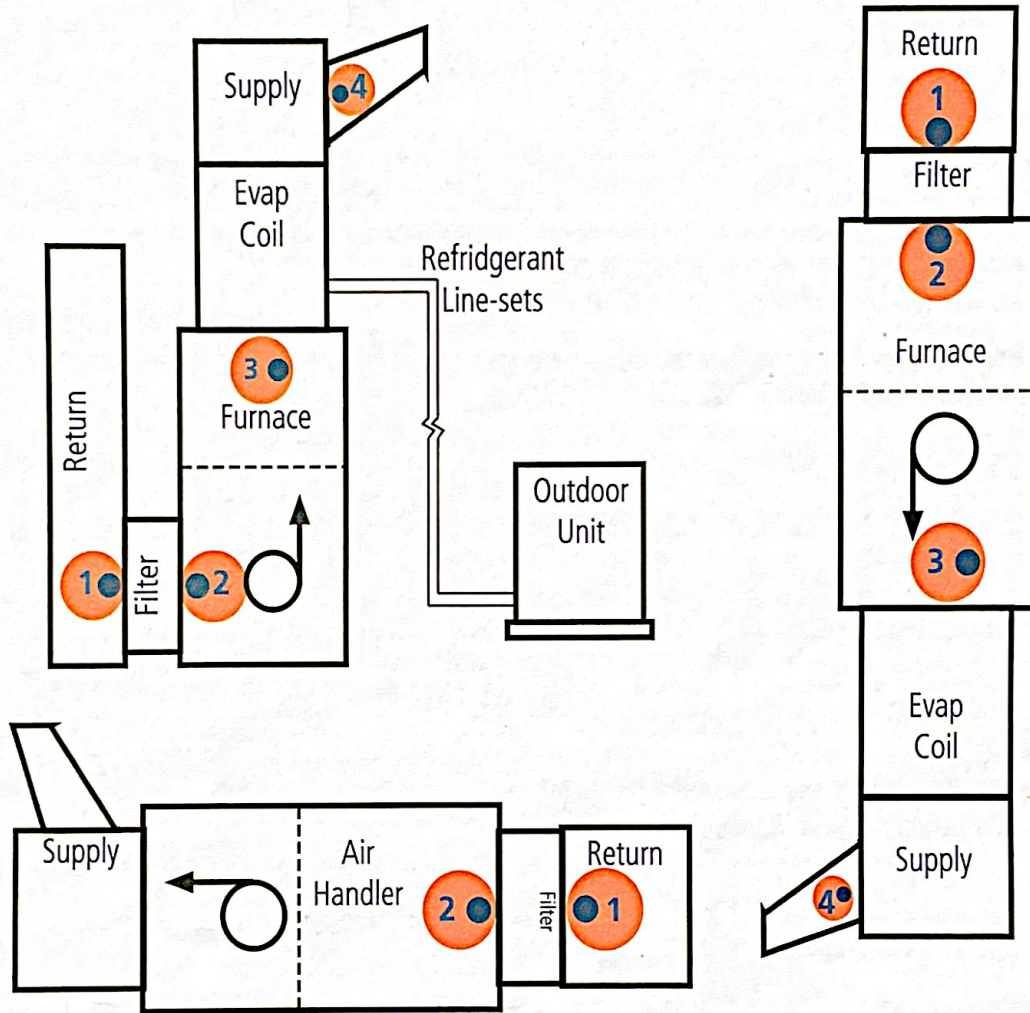
Start Amps: _____ Run Amps: _____ Cap _____ ● ● ●

LL Temp: _____ LL Pressure: _____ ● ● ●

SL Temp: _____ SL Pressure: _____ ● ● ●

Superheat: _____ Subcooling: _____ ● ● ●

Reference Guide



Notes:

- Return and supply temps 1 through 4 are to be taken at various registers throughout the home. Choose the ones with the highest use as well as hottest/coldest areas.
- When dealing with an air handler, Evap Coil measurements for ΔP and ΔT are #3 - #2, since there is no location #4.
