Job #794452302

Cooling System Evaluation Checklist

Job Details

Client Name

Patrick & Amanda Murphy

Location Address

2525 Bristolwood Drive Northwest, Grand Rapids, MI 49544 USA

Technician

Cameron Lezman

Date

2026-09-22

Thermostat

Thermostat setting on arrival

Temperature Setting, Mode (Program/Hold), Fan Setting

75

Thermostat Batteries

Checked

Zone Dampers & Control Panel

N/A

Equipment Type

Style of Condensing Unit

Standard split AC

Indoor Unit (Furnace / Air Handler) & Evaporator Coil

System Operational State upon Arrival

Operational

Evaporator Coil & Pan Condition

- [x] Good / Clean Coil

Humidifier Bypass Damper Closed

No

Blower Motor Amps/Temperature

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Blower Motor Amps (A)

2.5

Blower Motor Capacitor

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Blower Motor Capacitor (MFD)

ECM

Blower Motor Bearings

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Blower Wheel Condition

Dusty

WB Temperature

64

Relative Humidity

65%

Return Air Temperature

69

Supply Air Temperature

55

Air Temperature Delta T

14

Target Delta T

15

Metering Device

Fixed Piston

Condensate System

Drain Line System

- [x] Clean / Cleared
- [x] Tested & Flushed

Drain Treatment Installed

Total Tabs

Condensate Pump

Condensate pump condition - if applicable

N/A

Condensate System Overall Operation

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Air Filtration System

Air Filter Size

16x25x1

Air Filter Type

Pleated - up to 3 months

Air Filter Condition

Partially Used

Specialty Air Quality Equipment

- [x] Not Installed

Outdoor Condensing Unit

Lineset Insulation/Wall Penetration

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Condensing Unit Level

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Condensing Coil

Good / Cleaned

High Voltage Contactor

Good/Operating Normally

High Voltage Capacitor

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



High Voltage Capacitor (MFD)

35.2/5.12 out of 35/5

Compressor Start Device

N/A

High Voltage Disconnect

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Fan Blade Condition

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Fan Motor Bearings / Temperature

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Compressor Start Amps

56.2

Compressor Run Amps

5.5

Fan Motor Run Amps

0.49

Refrigerant

Refrigerant Type

R-22

Outdoor Air Temperature

56

Simulated?

No

Simulated OAT

Simulated Temp + Condenser TD =

-

Liquid Line Gauge Pressure

123

Liquid Line Saturation/Gauge Temperature

71

Liquid Line Temperature

58

Actual Subcooling

13

Target Subcooling

8-14

Suction Line Gauge Pressure

58

Suction Line Vapor Saturation/Gauge Temperature

32

Suction Line Temperature

58

Actual Superheat

26

Target Superheat

29

Refrigerant Adjustment needed

No

General Safety Inspection

General Safety Inspection

Immediate area surrounding the furnace and mechanical room
(Green = Good / Yellow = Caution / Red = Failed, requires attention)



High Voltage Electrical Inspection

Fuse Rating/Secure Wiring Connections/Surge Protector
(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Water Heater

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Run Test/Reset Equipment/Cleanup

General System Cleaning

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Equipment Service Sticker Installed & Completed

Yes

Verify System Operating Properly

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Adjust Setpoint to Original Setting & Mode

(Green = Good / Yellow = Caution / Red = Failed, requires attention)



Surrounding Area Check

Verify all cord/plugs are properly installed in outlet - sump pump, lift pump, appliances, etc.

- [x] Sump Pump/Sewage Lift Pump