

Customer Details

Steven Miller
 1234 Main street
 North vancouver, BC V6J 3M5
 604-765-1234

Contractor Details

Division 23
 19674 68th Ave
 Langley, BC V2Y1J8
 778-996-0348

Location	Address	Main Contact
"ABC corporate office " (Commercial)	1234 Main street North vancouver, BC V6J 3M5	Steven Miller 778-765-1234

Tested by	System	Area Served
Thomas Solski on Aug 28, 2018 1:56 PM Test ID: T:6506:8894	AHU-2 Packaged Heat Pump w/Fixed Outside Air w/Belt-Driv...	Second Floor Sq. Ft.

SAMPLE

Fan Airflow

Required Fan Airflow	Measured Fan Airflow	Percent of Required Fan Airflow
10000 CFM	8000 CFM	80%

The system's fan moves heated air from the equipment through your duct system. To achieve the comfort and efficiency you expect and deserve, fan airflow must be 90% or higher. Low fan airflow is a leading cause of discomfort, high utility bills, and premature equipment failure. High static pressure is the most common cause of low fan airflow.



Total Static Pressure

Entering Pressure	Exiting Pressure	Total Static Pressure	Rated Total Static Pressure	Percent of Rated
3.0 in. w.c.	2.0 in. w.c.	5.0 in. w.c.	4.0 in. w.c.	125%

High static pressure can best be understood by comparing it to high blood pressure. Just as high blood pressure causes many negative health consequences and shortens life, high static pressure has the same affect on a heating system. High total static pressure is the most common reason for low airflow.



Air Filter

Entering Pressure	Exiting Pressure	Pressure Drop	Pressure Budget	Percent of Rated
3.0 in. w.c.	2.25 in. w.c.	0.75 in. w.c.	0.8 in. w.c.	94%

Air filters are intended to clean the air in a heating system. However, when air filters are improperly sized or dirty, the efficiency of a system can be reduced by 25%. This percentage represents a snapshot of the current performance of the air filter. Percentages above 100% indicate the air filter is restricting airflow.



Coil

Entering Pressure	Exiting Pressure	Pressure Drop	Pressure Budget	Percent of Rated
2.25 in. w.c.	2.0 in. w.c.	0.25 in. w.c.	1.2 in. w.c.	21%

When a coil is improperly sized or dirty, the efficiency of a system can be reduced up to 30%. This percentage represents a snapshot of the current performance of the coil. Percentages above 100% can indicate the coil is restricting airflow.

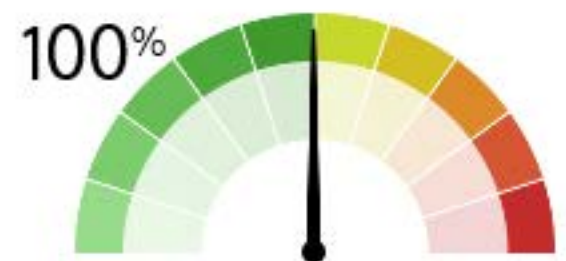


SAMPLE

Supply Duct System

Supply Duct Pressure	Pressure Budget	Percent of Budget
2.0 in. w.c.	2.0 in. w.c.	100%

Conditioned air is supplied through a duct system into each room of a building. Improperly sized or restricted supply ducts directly affect comfort of individual rooms and heating system efficiency. This percentage represents a snapshot of the current performance of the supply ducts. Percentages above 100% can indicate undersized or restrictive supply ducts.



Return Duct System

Return Duct Pressure	Pressure Budget	Percent of Budget
3.0 in. w.c.	2.0 in. w.c.	150%

The return duct system brings back air in the building to be heated again. 90% of buildings require return duct modifications to improve comfort and heating system efficiency. This percentage represents a snapshot of the current performance of the return ducts. Percentages above 100% can indicate undersized or restrictive return ducts.



Outside Air Inlet Airflow

Required Airflow	Measured Airflow	Percent of Required
3000 CFM	2500 CFM	83%

SAMPLE

The outside air inlet introduces fresh air into the heating system for ventilation needs. This percentage represents a snapshot of the current performance of your outside air inlet. Out of 100% of the outside air design airflow you're operating at the level displayed.

