Home Renovation Rebate

Dual fuel heating system pre-changeout and commissioning sheet (Keep this completed sheet with your dual fuel system)

The dual fuel heating system pre-changeout and commissioning sheet is required documentation for new dual fuel system installations as a part of your Home Renovation Rebate application. Please keep a copy with your new heating system. This sheet will provide valuable information when your system is serviced in the future. For full Program Rebate Requirements visit fortisbc.com/dualfuel.

Why is pre-changeout and commissioning important?

HVAC contractors are responsible for selecting a dual fuel heating system based on the homeowner needs and informed by load calculations and the ductwork capacity available from a forced air distribution system. Once the selected equipment is installed, contractors will start-up and commission the dual fuel (hybrid) system to optimize performance. The benefits of a properly sized, selected and fully commissioned system include lower operating costs, potentially greater equipment longevity, and less maintenance over its lifetime. Additional benefits include improved home comfort, and a system that will run smoothly and quietly.

Applicant instructions:

Submit a copy or photo of this sheet with your dual fuel system rebate application online at fortisbc.com/dualfuel.

Contractor business name	Gas permit number

Customer info

First name	Last name	Email	Phone

Installation address	City	Province	Postal code
		BC	

New system

AHRI number	System make	Installation date (YYYY/MM/DD)

Indoor model number	Outdoor model number	Furnace model number

Pre-changeout assessment

Existing heating equipment

- ☐ Natural gas furnace <90AFUE
- ☐ Natural gas furnace >=90 AFUE
- ☐ Propane furnace

Load calculation

- Design heat loss (BTU/h)
- Design heat gain (BTU/h)

Load calculation tool utilized

- ☐ TECA – heat loss & heat gain calculator
- ☐ Wrightsoft – right-suite universal
- ☐ Volta research – volta snap
- ☐ Avenir – HeatCAD
- ☐ Other:

Heat pump rated CFM per Ton

- ☐ 324 or less ☐ 325-349
- ☐ 350-375 ☐ 376-400
- ☐ 401 or more

Sufficient duct capacity for heat pump?

- ☐ Yes
- ☐ No

Duct airflow evaluation method

- ☐ Existing furnace temp rise and clocking
- ☐ Existing furnace blower tables
- ☐ Flow grid or flow hood
- ☐ Duct size tables

Dual fuel system commissioning

Heat pump refrigerant charge

- ☐ Verified factory default
- ☐ Adjusted

Type of furnace

- ☐ Modulating
- ☐ Single stage
- ☐ Two stage

Measure/set manifold gas pressure

Furnace inlet gas pressure (high fire)	iwc.
Furnace manifold gas pressure (high fire)	iwc.
Furnace manifold gas pressure (low fire)	iwc.
Clocked meter input	(BTU/h)

External static pressure (ESP)

Return air static pressure drop	iwc.
Air filter static pressure drop	iwc.
A-Coil static pressure drop	iwc.
Supply air static pressure drop	iwc.
Maximum rated total ESP	(iwc.)
Furnace air flow	CFM of furnace (high fire)

Temperature rise (at high fire)

Supply air	°F
Return air	°F
Total rise =	°F

Rise Range (as per manufacturer):

Minimum rated temp rise	°F
Maximum rated temp rise	°F

Thermostat switchover

- ☐ Capacity balance ☐ Economic balance
- ☐ Manufacturer default ☐ Program specified

Switchover method

- ☐ Outdoor temperature sensor
- ☐ Deviation from Setpoint

Switchover temperature

(°C)

Filter

- Media type
- Measurements
- MERV rating

Homeowner educated

(thermostat programming, maintenance, troubleshooting)

☐ Yes ☐ No

Homeowner provided materials

(owner's manuals, warranty documents, commissioning sheet)

☐ Yes ☐ No