



turn to the expertsSM



SUBMITTAL

St Mary School Furnace
Project

Optimum Mechanical
Contractor

Morris Engineering
Mechanical Engineer

April 18, 2019

CARRIER ENTERPRISE CANADA
1155 Lola Street
OTTAWA, ONTARIO
K1K 4C1

PREPARED BY: Michael Hayman
613-505-4622

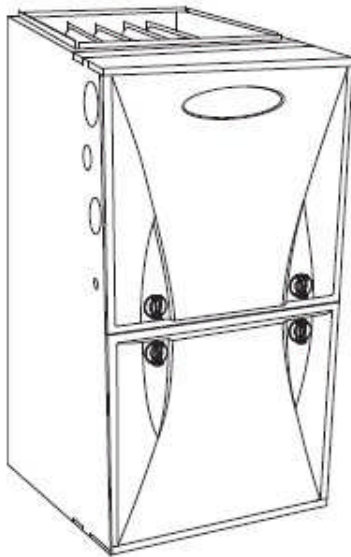
FOR APPROVAL

Equipment will not be ordered from factory until one set of approved drawings are returned to Carrier

59TP6A
Performance Two-Stage, Variable Speed
4-Way Multipoise
Condensing Gas Furnace
Series 2



Product Data



A11283

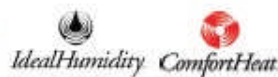
The 59TP6A Multipoise Variable-Speed Condensing Gas Furnace features the two-stage Performance™ System. The Comfort Heat® technology two-stage gas valve is at the heart of the comfort provided by this furnace, along with the variable-speed ECM blower motor, and two-speed inducer motor. With an Annual Fuel Utilization Efficiency (AFUE) up to 96.5%, the Performance™ Series two-stage gas furnace provides exceptional savings when compared to standard gas furnaces. This Performance Gas Furnace also features 4-way multipoise installation flexibility, and is available in eight model sizes. The 59TP6A can be vented for direct vent/two-pipe, ventilated combustion air, or single-pipe applications. All units meet California Air Quality Management District emission requirements. All sizes are design certified in Canada.

STANDARD FEATURES

- All sizes meet ENERGY STAR® Version 4.0 criteria for gas furnaces: 95+AFUE; AMACF electrical rating; 2% or less

- cabinet airflow leakage.
- Quiet operation. Compare for yourself at HVACpartners.com.
- Ideal height 35" (889 mm) cabinet: short enough for taller coils, but still allows enough room for service.
- Silicon Nitride Perfect Light™ Hot Surface Igniter.
- Ideal Humidity System® technology, including SmartEvap™ technology, when paired with appropriate thermostat.
- ComfortFan™ technology allows control of continuous fan speed from a compatible thermostat.
- 4-way multipoise design for upflow, downflow or horizontal installations, with unique vent elbow and optional through-the-cabinet downflow venting capability.
- Full-featured variable-speed blower motor, two-speed inducer motor, and two-stage gas valve.
- Self-diagnostics.
- Adjustable blower speed for cooling, continuous fan, and dehumidification.
- Aluminized-steel primary heat exchanger.
- Stainless-steel condensing secondary heat exchanger.
- Propane convertible (See Accessory list).
- Factory-configured ready for upflow applications.
- Fully-insulated casing including blower section.
- Convenient Air Purifier and Humidifier connections.
- Direct-vent/sealed combustion, single-pipe venting or ventilated combustion air.
- Installation flexibility: sidewall or vertical vent.
- Residential installations may be eligible for consumer financing through the Retail Credit Program.
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-in. water column with all present air inlets, air outlets, and condensate drain port(s) sealed.

Performance
SERIES



Unit Report For St Mary School Furnace

Project: Residential
Prepared By:

04/18/2019

Furnace Parameters and Dimensions and Weight



Furnace:.....**SEER Enhancing Furnace**
 Furnace Model:.....**59TP**
 Furnace Efficiency:.....**+96 AFUE**
 Htg Capacity:.....**40,000 Btuh (Size 040)**
 Airflow:.....**Up to 1200 Cfg CFM on Evap Coil**
 Unit Length:.....**29.50** in
 Unit Width:.....**17.50** in
 Unit Height:.....**35.00** in
 Unit Shipping Weight:.....**131.5** lb

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Furnace Ratings

Furnace:.....**59TP6A040E17--12**
 Furnace Efficiency:.....**+96 AFUE**
 Input Max Heat:.....**40,000** BTU/hr
 Input Min Heat:.....**26,000** BTU/hr
 Output Max Heat:.....**39,000** BTU/hr
 Output Min Heat:.....**25,000** BTU/hr

Furnace Performance

Certified Temp High Rise Range:.....**40-70** F
 Certified Temp Low Rise Range:.....**30-60** F

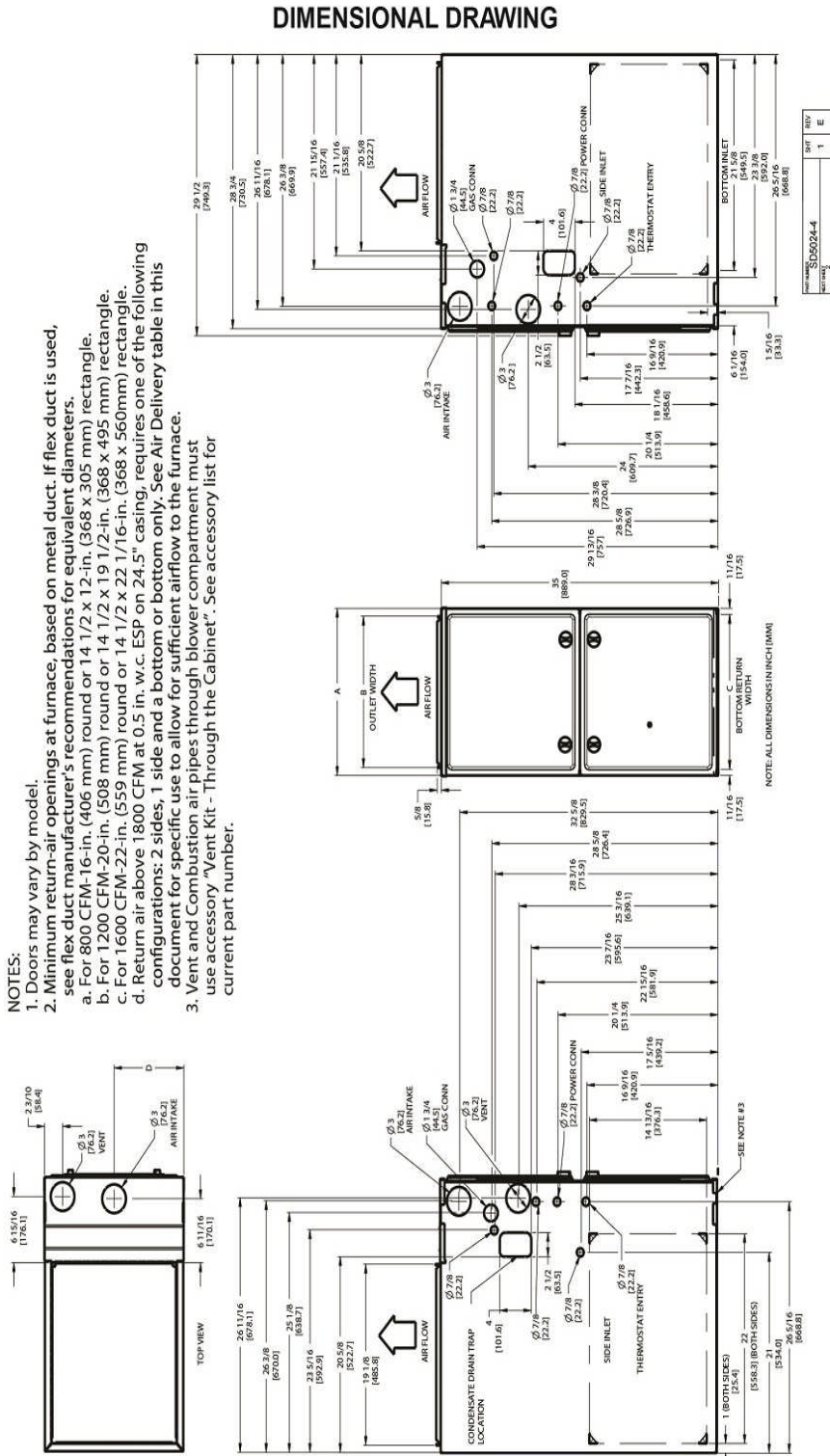
The customer must ensure the specified airflow and static pressure are within furnace capabilities.

Furnace Electrical Data

Unit Voltage:.....**115-1-60** V-Ph-Hz
 Unit MCA:.....**7.5** Amps
 Unit MOCP:.....**15** Amps

Ordering Information

Part Number	Description	Quantity
Accessories	Honeywell TH8320 ProStat Touchscreen Thermostat	1
Furnace		
59TP6A040E17--12	59TP6 Performance +96 Two-Stage Condensing Gas Furnace	1
	+96 AFUE	
	40,000 Btuh (Size 040)	
	Up to 1200 Cfg CFM on Evap Coil	
	Energy Efficient	



Furnace Model: **.59TP**
 Furnace Efficiency: **+96 AFUE**
 Hfg Capacity: **40,000 Btuh (Size 040)**

Airflow: **Up to 1200 Cfg CFM on Evap Coil**
 Part Number: **.59TP6A040E17--12**

Dimensions			
A	17.50 in	B	15.88 in
C	16.00 in	D	8.75 in
			Shipping Wgt
			131.50 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.