



OPTIMAL OPTIONS

The Steffes Comfort Plus Forced Air Furnace (4100 Series) is a ducted heating system designed to stand alone or work in conjunction with a heat pump for increased efficiency. All Steffes Comfort Plus Forced Air Furnaces are equipped with a variable speed blower to ensure consistent, even temperature output to meet your comfort requirements.

SET IT AND FORGET IT

The Comfort Plus Forced Air Furnace's operation is completely automatic. A sensor monitors outdoor temperature to regulate the amount of heat stored in the bricks. The room thermostat is set to control heat delivery so the desired comfort level can be maintained using the safe, clean, reliable and economical stored off-peak heat.



LEARN MORE

www.steffes.com/comfortplusforcedair



OFF-PEAK SAVINGS

Our Electric Thermal Storage (ETS) technology allows the Comfort Plus Forced Air Furnace to convert electricity to heat during off-peak hours, when the demand for and price of electricity is low. Specially-designed ceramic bricks within our units store vast amounts of heat for extended periods of time. With this stored off-peak heat, the Steffes Comfort Plus Forced Air Furnace can deliver clean, consistent comfort 24 hours a day. In addition, by only consuming electricity during off-peak hours, the Comfort Plus can save you up to 70 percent on your electric bill compared to traditional heating systems.



COMPONENTS

1. Return air plenum (separately ordered or installer supplied)
2. AC or heat pump coil (must be installer supplied, if applicable)
3. Air filter
4. Built-in circuit breakers for power disconnect
5. Programmable microprocessor based control panel and digital display
6. Electric heating elements
7. High density heat storage bricks
8. Supply air plenum with 1/2 HP or 3/4 HP variable speed blower



1kW = 3412 BTU/hr 1kWh = 3412 BTU

U.S. Pat #5086493 • Canada Pat #2059158

5-year limited manufacturer's warranty

SPECIFICATIONS For standard 240V units. 208V, 277V, and 347V configurations also available. Contact factory for technical specifications.

MODEL	4120			4130		4140	
Charging Input	14.0 kW	19.2 kW	24.8 kW	28.8 kW	37.2 kW	38.4 kW	45.6 kW
Element Current Draw	59 amps	80 amps	104 amps	120 amps	155 amps	160 amps	190 amps
Circuits Required Elements Blower/Control	1-20 amp 2-30 amp	1-30 amp 2-40 amp	1-40 amp 2-50 amp	4-40 amp	4-50 amp	4-50 amp	4-60 amp
	1-15 amp (7 amps maximum load)						
	Unit is factory-configured with multiple-line voltage, single-phase circuit connections. If single feed to the element and blowers/controls circuits is desired, an optional single-feed kit is available. Phase-balancing is recommended when making connections in 3-phase applications.						
Storage Capacity	120 kWh (409,440 BTU)			180 kWh (614,160 BTU)		240 kWh (818,880 BTU)	
	The size and heating ability of the system required for an application is dependent on the heat loss of the area and the power company's off-peak hours. Refer to the Maximum Maintainable Heat Loss for heating abilities in specific charge strategies.						
Approximate Installed Weight	2,267 lbs			3,139 lbs		3,991 lbs	
	Contact a building contractor or architect if you have structural weight concerns of the installation surface selected. Adhere to all national and local electrical and building code placement requirements for electric heating appliances.						
Unit Dimensions - W x D x H w/o Ducting w/ Factory-Built Ducting (1/2 HP) w/ Factory-Built Ducting (3/4 HP)	29.2" x 47.4" x 46.6"			29.2" x 47.4" x 57.6"		29.2" x 47.4" x 68.6"	
	77.6" x 47.4" x 46.6"			77.6" x 47.4" x 57.6"		77.6" x 47.4" x 68.6"	
	82.1" x 47.4" x 46.6"			82.1" x 47.4" x 57.6"		82.1" x 47.4" x 68.6"	
	There are required installation clearances to account for. Contact the factory for information.						
Duct Openings Supply Air Outlet (1/2 HP) Supply Air Outlet (3/4 HP) Return Air Inlet	18" x 22.6" (in factory-built plenum) 22.5" x 22.6" (in factory-built plenum) 10.5" x 22.3" (in unit) or 26.2" x 22.25" (if using a factory-built plenum)						
Maximum Coil Dimensions (W x D x H)	26" x 22" x 31"						
	The factory-built return air plenum is configured for housing an indoor coil. Dimensions listed are that of the inner coil area in this plenum. For larger coils, field provisions to the plenum are necessary or it will need to be supplied by the installer.						
Supply Air Delivery (Field Selectable) 1/2 HP Variable Speed CFM ratings 3/4 HP Variable Speed CFM ratings	1000, 1200, 1400, 1600 1200, 1400, 1600, 2000						
Heating Ability Based on Charge Time (BTU/hr) 8 Consecutive Charge Hours 12 Consecutive Charge Hours 6/4/6/8 Charge Strategy	20,414	27,996	34,175	41,994	49,212	55,992	65,615
	30,621	41,994	45,566	62,991	65,615	83,988	87,487
	30,621	41,994	54,242	62,991	81,363	83,988	99,735
	The size and heating ability of the system required for an application is dependent on the heat loss of the area and the power company's off-peak hours. If the unit is not installed within the heated area, heat lost statically must be taken into account. Contact a local Steffes dealer or power company for assistance in selecting an appropriately sized system for your specific charge strategy. The 6/4/6/8 strategy listed is 8 hours off-peak at night plus 4 hours off-peak mid-day. (The heating ability figures listed have a heat use allowance factored in for sizing purposes. Average BTU/hr delivery rate is the listed value multiplied by .78 heat use factor.)						

Manufacturer reserves the right to discontinue or change at any time, specifications or designs, without notice or incurring obligations.

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