

OFF-A Advantage Electric Furnace



Features

Color

- Standard: grey.

Voltage

- 240/208V, 1-phase.

Construction

- Steel casing, all insulated for reduced heat loss and noise.
- Dual access panels on casing provide easy access to internal parts.

Fan

- High quality precision balanced blower for quiet operation and optimal performance.

Motor

- Standard motor (PSC), permanently lubricated.
- Variable speed electronically commutated motor (ECM), permanently lubricated.
- Both motors are rubber mounted for maximum vibration and noise reduction.
- Relay and printed circuit board (PCB) control automatic operation of motor and allow for the addition of air conditioning or heat pump.

Heating element

- Heavy duty, reliable 4kW and 5kW helical coil nickel-chromium alloy wire provide superior heat transfer with unrestricted air flow.
- Heating elements can be individually replaced.
- High-limit temperature control with automatic reset.
- Heating element sequence is done by a low voltage printed circuit boards with rectifier/timers to prevent power surges.

Control

- Heavy duty 24VAC transformer provides power to relays and controls.
- Easy access built-in breakers with manual reset.
- Thermostat "On" light indicates a call for heat by the thermostat.
- "Speed Selector" switch: "Low" or "High".
- "Fan Selector" switch: "On" or "Off".
- Compatible with 1 or 2-stage thermostat with or without external unit.
- A 120V terminal block also permits installation of accessories such as humidifier and electronic filter (maximum 2A).

Installation

- Multi-position installation, sides, back, or bottom air returns.
- Approved for zero clearance installation against combustible surfaces.
- Models with Standard Motor (PSC): Installation is forbidden outside Quebec.

Warranty

- 5-year warranty against defects.

Application

- For cottages, homes or offices, also approved for mobile homes use. May be installed in a basement, closet, crawl space or any unused area or alcove.

Models with Standard Motor (PSC)¹

Product #	Volts (1 ph) 2 wires	kW (BTU/hr)	Amp. including motor	Motor HP	Static Pressure at 0.5" W.C.		Weight	
					Motor Speed ²	cfm ³	lb	kg
OFEA10000 ¹	240/208	10.0 (34120)/7.5 (25628)	44.0/38.2	1/3	Low	595	105	48
OFEA15000 ¹	240/208	15.0 (51180)/11.3 (38442)	64.7/56.1	1/3	Low	595	105	48
OFEA18000 ¹	240/208	18.0 (61420)/13.5 (46130)	78.4/68.0	1/3	Low	595	105	48
OFEA20000 ¹	240/208	20.0 (68240)/15.0 (51256)	85.4/74.1	1/3	Low	595	105	48
OFEA23000-1H ¹	240/208	23.0 (78480)/17.3 (58944)	102.4/88.7	1	Medium/Low	1275	105	48
OFEA25000-1H ¹	240/208	25.0 (85360)/18.8 (64070)	109.4/94.8	1	Medium/Low	1275	105	48
OFEA27000-1H ¹	240/208	27.0 (92130)/20.3 (69195)	119.5/103.6	1	Medium/Low	1275	105	48
OFEA30000-1H ¹	240/208	30.0 (102432)/22.5 (76884)	130.2/112.8	1	Medium/Low	1275	105	48

Models with Variable Speed Motor (ECM)

Product #	Volts (1 ph) 2 wires	kW (BTU/hr)	Amp. including motor	Motor HP	Motor Speed	Weight	
						lb	kg
OFEA10000-VV	240/208	10.0 (34120)/7.5 (25628)	43.7/38.6	1/2	Variable	105	48
OFEA15000-VV	240/208	15.0 (51180)/11.3 (38442)	64.4/56.5	1/2	Variable	105	48
OFEA18000-VV	240/208	18.0 (61420)/13.5 (46130)	78.1/68.4	1/2	Variable	105	48
OFEA20000-VV	240/208	20.0 (68240)/15.0 (51256)	85.1/74.5	1/2	Variable	105	48
OFEA23000-1HVV	240/208	23.0 (78480)/17.3 (58944)	101.7/89.6	1	Variable	105	48
OFEA25000-1HVV	240/208	25.0 (85360)/18.8 (64070)	108.7/95.7	1	Variable	105	48
OFEA27000-1HVV ⁴	240/208	27.0 (92130)/20.3 (69195)	118.8/104.5	1	Variable	105	48
OFEA30000-1HVV ⁴	240/208	30.0 (102432)/22.5 (76884)	129.5/113.7	1	Variable	105	48

Options

Product # Kit	Description
OFE-SO2	Downflow sub-base
OFE-AK2	Adaptor kit for 17 in. x17 in. duct
OFE-TM	Diagnostic tool for ECM motor

¹ Installation is forbidden outside Québec.² Factory settings.³ Refer to the installation instructions and owner's manual for complete air flow tables.⁴ These models come with two supply terminal blocks. It is possible to do a field conversion from two to one supply (requires copper wire). Refer to the installation instructions and owner's manual for details. Standard color is grey.

Wall Controls

Compatible with any low voltage thermostat. See the Wall thermostat reference chart.

