

# 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.

### 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.

## OFE-A

### Models with Standard Motor (PSC)<sup>1</sup>

Product #	Volts (1 ph) 2 wires	kW (BTU/hr)	Amp. including motor	Motor HP	Static Pressure at 0.5" W.C.		Weight	
					Motor Speed <sup>2</sup>	cfm <sup>3</sup>	lb	kg
OFEA10000	240/208	10.0 (34120)/7.5 (25628)	44.0/38.2	1/3	Low	595	105	48
OFEA15000	240/208	15.0 (51180)/11.3 (38442)	64.7/56.1	1/3	Low	595	105	48
OFEA18000	240/208	18.0 (61420)/13.5 (46130)	78.4/68.0	1/3	Low	595	105	48
OFEA20000	240/208	20.0 (68240)/15.0 (51256)	85.4/74.1	1/3	Low	595	105	48
OFEA23000-1H	240/208	23.0 (78480)/17.3 (58944)	102.4/88.7	1	Medium/Low	1275	105	48
OFEA25000-1H	240/208	25.0 (85360)/18.8 (64070)	109.4/94.8	1	Medium/Low	1275	105	48
OFEA27000-1H	240/208	27.0 (92130)/20.3 (69195)	119.5/103.6	1	Medium/Low	1275	105	48
OFEA30000-1H	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 <sup>4</sup>	240/208	27.0 (92130)/20.3 (69195)	118.8/104.5	1	Variable	105	48
OFEA30000-1HVV <sup>4</sup>	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

<sup>1</sup> Installation is forbidden outside Québec.

<sup>2</sup> Factory settings.

<sup>3</sup> Refer to the installation instructions and owner's manual for complete air flow tables.

<sup>4</sup> 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.

