

OFE Unique Electric Furnace



Training available online www.ouellet.com

Features

Color

- Standard : grey.

Voltage

- 240V, 1-phase.

Construction

- Steel casing, all insulated to reduce heat loss.
- Dual access panels on casing provide easy access to internal parts.
- Adjustable dampers at the air outlet (better control over airflow and noise level).
- Disposable filter 20 in. X 20 in. X 1 in. included.

Fan

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

Motor

- Standard motor (PSC) with electronic control, permanently lubricated.
- Variable speed electronically commutated motor (ECM), permanently lubricated.
- Low voltage 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 nickel-chrome heating elements provide superior heat transfer with unrestricted air flow.
- High-limit temperature control with automatic reset on each element.
- Elements modulation is done by low voltage relays with printed circuit boards with rectifier/timers to prevent power surges.

Control

- Heavy duty 24VAC transformer provides power to relays and controls.
- Built-in breaker with manual reset.
- High-limit temperature control with manual reset to protect the fan circuit and accessories.
- 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. (For models of 23kW and up installed in downflow position, be sure to use the sub-base OFE-SO available in option).

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)

Product #	Volts (1 ph) 2 wires	kW (BTU/hr)	Amp. Including Motor	Motor HP	Static Pressure at 0.5" W.C.		Weight	
					Motor Speed ¹	cfm ²	lb	kg
OFE10000GR	240	10.0 (34120)	44.3	1/3	Low	660	105	48
OFE15000GR	240	15.0 (51180)	64.3	1/3	Medium/Low	800	105	48
OFE18000GR	240	18.0 (61420)	77.3	1/3	Medium/Low	800	105	48
OFE20000GR	240	20.0 (68240)	85.3	1/3	Medium/High	930	105	48
OFE23000GR	240	23.0 (78480)	97.3	1/3	Medium/High	930	105	48
OFE27000GR-1H	240	27.0 (92130)	117.9	1	Medium/Low	1255	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
OFE15000GR-VV	240	15.0 (51180)	65.3	1/2	Variable	105	48
OFE18000GR-VV	240	18.0 (61420)	78.3	1/2	Variable	105	48
OFE20000GR-VV	240	20.0 (68240)	86.3	1/2	Variable	105	48
OFE23000GR-1HVV	240	23.0 (78480)	103.1	1	Variable	105	48
OFE27000GR-1HVV	240	27.0 (92130)	120.1	1	Variable	105	48

Options

Product #	Description	Factory Installed	Kit
OFE-SO	Sub-base to meet the CSA standards of clearance to combustible materials (for models of 23kW and up installed in downflow position)	-	✓
OFE-AK	Adaptor kit for "17 in. X 17 in." duct	-	✓
OFE-TM	Diagnostic tool for ECM motor	-	✓

¹ Factory settings.

² Refer to the installation instructions and homeowner's manual for complete air flow tables. Standard color is grey.

Wall Controls

Compatible with any low voltage thermostat. See the wall thermostat reference chart on page 107.

