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AMBIRAD

ENERGY EFFICIENT HEATING SYSTEMS

CENTURION

OIL FIRED
UNIT HEATERS

Overview

Providing simple low cost installation and easy maintenance, the new Ambi-Rad Centurion range of oil fired unit heaters complements the existing range of gas-fired units. They are suitable for operating either on 35 seconds oil or kerosene.

All units can be suspended or mounted on wall brackets and are suitable for a variety of commercial and industrial applications.

Features

Energy savings

- High efficiency stainless steel primary and secondary heat exchanger.

Standard features

- Low level burner reset facility
- High capacity axial fans for optimum air distribution
- Optional two way air distribution for multiple fan models (70 and 100kW units).
- Factory fitted fire safety valve with capillary.

Benefits

Lower running costs

- High thermal efficiencies
- High airflow for reduced stratification
- Fast heat up time

Low installation costs

- Eligible for Enhanced Capital Allowances - over 90% thermal efficiency
- Two-way air distribution (70 and 100kW models only) allows units to be centrally located with air distribution in opposite directions

Space saving

- Suspended units free up floor space for production and storage requirements.



Optional equipment

- Electro thermolink fire valve sensors
- Combustion air adaptors
- Remote control panel with lockout reset and summer fan only facility
- Oil transfer pump or oil lifter

Installation

The units are suitable for suspended applications or may alternatively be mounted on a flat non combustible surface.

An oil fired valve must be installed external to the building where required in accordance with BS 5410:Part 2:1978.

Maximum oil lift is 3.5m (based on a 2 pipe system) which does not include for any oil pipe fittings.

Each heater is supplied with a flue tee piece section suitable for single wall stainless steel flue pipe.

Whilst the units are suitable for most industrial and commercial applications, they must not be installed in atmospheres containing highly flammable vapours, combustible dust, halogenated hydrocarbons or chlorinated vapours.

Electrical

Units must be wired in accordance with the wiring diagrams provided and the current edition of electrical standards. The main electrical supply to the unit should not be isolated except for maintenance.

A single phase electrical supply is required for each unit. This supply should NOT be switched off except for maintenance.

Specification

Heat exchanger

The high efficiency heat exchanger is designed for both long operational life and to have minimal resistance to airflow through the unit.

Air handling

A quiet powerful axial fan provides high air flow through a series of adjustable horizontal louvres. It is also possible to reverse the direction of the airflow by modifying the position of the adjustable

warm air discharge louvre and the axial fan.

Cabinets

Cabinets are constructed from zinc coated steel panels, finished in white epoxy powder coating paint.

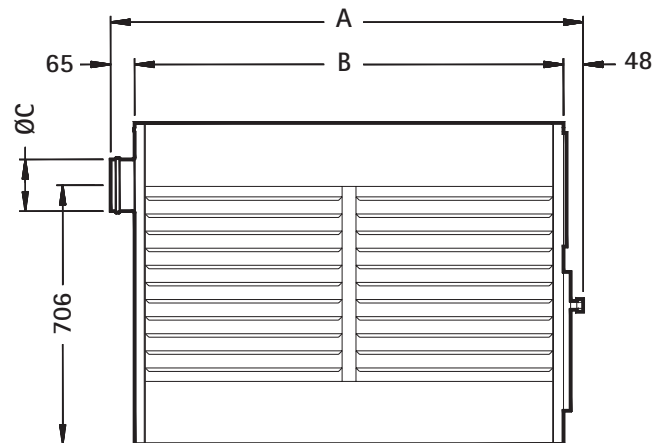
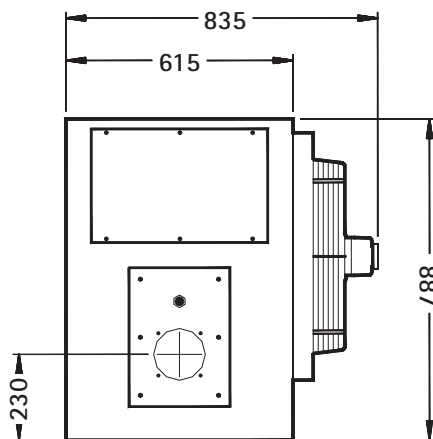
Controls

All unit heaters have been designed for fully automatic operation and are available with optional remote control panels.

Specification and technical data

Model		OFSU 32	OFSU 40	OFSU 70	OFSU 100
Heat output	kW	31.6	39.7	70.2	99.3
Throw	m	12	15	18	22
Air flow (T 15°C)	m ³ /h	3100	3500	6200	9500
Temperature rise	°C	28	31	31	29
Flue diameter	mm	127	127	152	178
Electrical supply		230 volt 1 phase			
Weight	kg	85	91	137	177

Dimensions



Model	A	B	C
OFSU 32	723	610	120
OFSU 40	723	610	120
OFSU 72	1303	1190	150
OFSU 100	1883	1770	180



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