

WARM AIR HEATERS



ROBERTS GORDON WARM AIR HEATERS - GAS/OIL

COMBAT® Warm Air Cabinet Heaters

Warm Air - When and Why?

Warm air is well proven as an **economic and energy** efficient form of heating for most industrial and commercial buildings. It is extremely **flexible**, offering designers and installers a high degree of freedom with respect to heater location and provides an even distribution of warm air throughout the building. Furthermore, warm air heating is extremely **cost effective**, in addition to low capital and operating costs, the minimum energy is used to rapidly establish and maintain the appropriate conditions for occupant comfort or to protect the building contents and services.

Basic Design and Operation

All Combat® cabinet heaters are supplied fully assembled ready for installation. Vertical heaters are designed to be sited on a solid base of non combustible materials, whilst horizontal heaters are designed to be mounted by means of an appropriate support or suspension system.

All heaters consist of a controlled safety combustion system, which includes the relevant forced draught burner (dependent upon model), combustion chamber/heat exchanger, and air handling system, contained within an enclosed and insulated cabinet. As standard, each heater is supplied with the specified number of discharge heads for warm air distribution.

Fuel

GAS: All Combat® PGP gas fired heaters are designed for use on natural gas or LPG. All gas fired models are 'CE' Certified.

OIL: All Combat® POP oil fired heaters are designed for use with Class D fuel oil to BS2869 (35 seconds Redwood No.1).

Features:

- Natural Gas, LPG or Oil fired cabinet heaters.
- Floor standing, horizontal mounting or external siting.
- Free blowing or ducted.
- Factory fitted with packaged, 'bolt-on' burner.
- Complete with remote control panel.
- Advanced electronic control available.
- Fully removable panels for easy access and maintenance.
- Attractive and durable maroon colour 'hammer' finish.
- 'CE' Approved (gas fired models only).

Full range available - Please ring for further details



See also Heating and Ventilation Part 1 - Hotbox.

SOIL WARMING CABLES

Thermaforce Soil Warming Cables

Mains voltage soil warming cables provide a safe and simple means of raising the soil temperature in glasshouses and propagating benches.

They provide a cost effective and accurate temperature control, soil warming cables can be connected to rod type thermostats.

A full range of types are available.

CABLE REFERENCE	LENGTH OF CABLE	WATTAGE	AREA OF COVERAGE
HD5030	6.09m	75W	0.55 - 1.11m ²
HD5032	12.18m	150W	1.39 - 2.22m ²
HD5034	24.38m	300W	2.80 - 4.44m ²
HD5036	48.76m	600W	4.64 - 9.29m ²
HD5038	81.40m	1000W	7.63 - 14.86m ²

Hot Beds/Propagation Benches - suggested temperatures 14-16°C

Mist Propagation - 21-23°C

To provide cost effective and accurate temperature a rod type thermostat should be used.

Fargro Code: To order



See also Heating and Ventilation Part 1 - Hotbox.

AIR CIRCULATION FANS

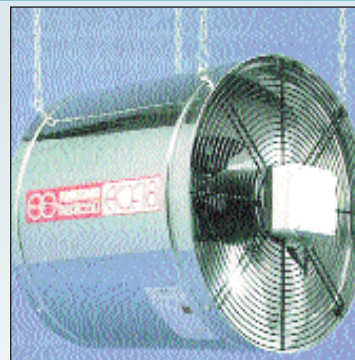
ACF 18 0 HIGHEST RESULTS WITH MINIMUM POWER UPTAKE

The ACF is an efficient and economical tool to circulate and mix the air in glasshouses and polythene tunnels thus avoiding the concentration of humidity in the air and to maximise the use of CO₂ enrichment throughout the crop.

The wall housing is in **stainless steel** and is supplied with two safety grills, in accordance with CE safety rules.

This fan can be suspended in any environment, causing hardly any shade since the stainless steel reflects the sunlight.

The electric motor is supplied as standard 230 V single phase, speed-regulable with automatic overload switch. Protection grade IP 54. The connection is made in the watertight box on the air inlet side of the fan.



TECHNICAL FEATURES AND DIMENSIONS

		ACF 18
Nominal air displacement @ "02 WG	m ³ /h	3720
Fan RPM (@ 50 Hz.)	rpm	880
Electric power consumption	W	150
Voltage	V	230
Noise level at 7 m. Distance	dB(A)	49
Outer diameter - A -	mm.	470
Overall length -B -	mm.	500
Net weight	kg.	12
Gross weight	kg.	15

Fargro Code: FAN

See also Heating and Ventilation Part 1 - Hotbox.