

# Mobile Air Heaters

## GF



Photo shows fully equipped GF35.

The GF Mobile Air Heaters are designed for cost effective heating solutions in a wide variety of applications, including greenhouses, poultry houses and other livestock structures.

### Technology basis

The GF heaters function on the principle of indirect fired oil heating. Hereby a powerful fan is used to force air through a heat exchanger. The burner is situated inside the heat exchanger and heats the inside surface of the heat exchanger. As the air passes over the outside surface of the heat exchanger, the heat is transferred to the air. The heat exchanger is fitted with a chimney that allows the combustion gasses to be vented through the chimney to the outside. Hereby none of the noxious combustion gasses released by the combustion process are released into the air stream exiting the heater. The combustion chamber is designed to be very efficient and up to 88.5% of the heat released by the combustion process is transferred to the air stream. The GF heaters operate on oil, kerosene or paraffin.

### Design

To ensure a long life span, the combustion chamber is manufactured in stainless steel, while the remainder of the heater is painted with unleaded epoxydic powder paint.

For safety purposes the heaters are equipped with a photoelectric flame detection sensor, flame control box and automatic electric control device.

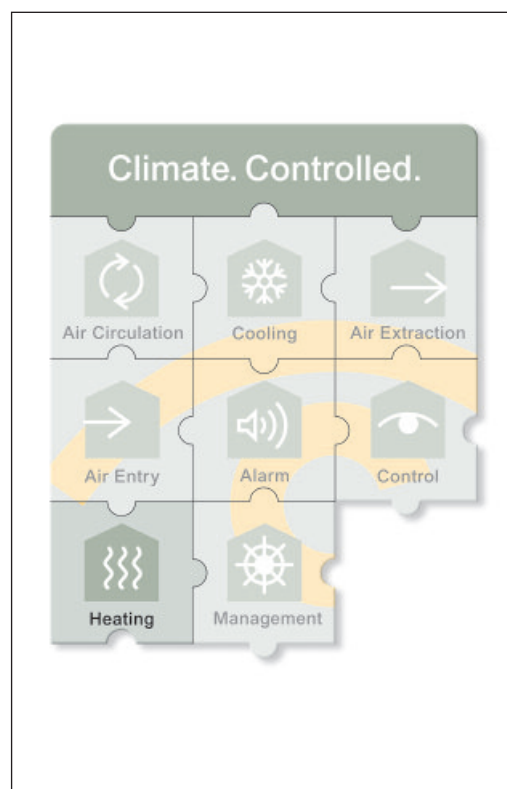
All models are equipped a fuel tank, oil filter, wheels and electrical cord. The GF heaters come fully assembled (wheels and handle bar are disassembled for ease of transportation), ready for use. Optionally the heaters can be supplied with a mechanical or electronic thermostat. The thermostats have a 10m cable attached in order to be able to measure the temperature where it is required.

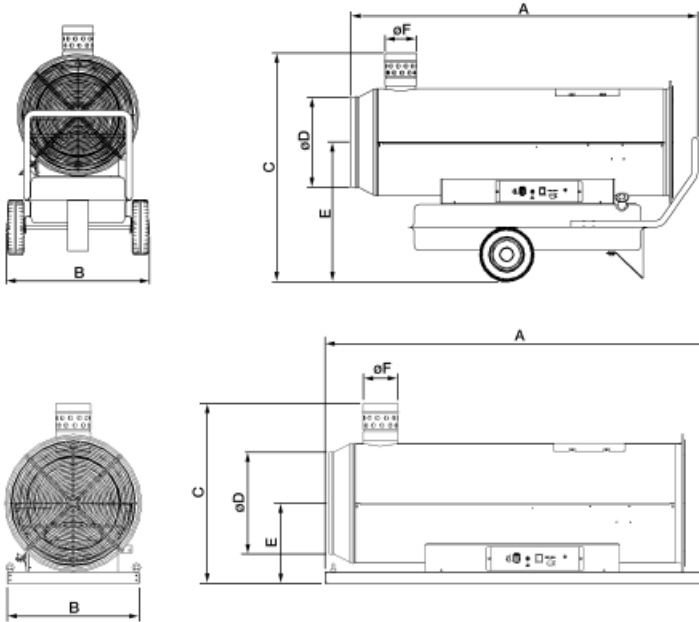
The GF35p, GF55p and GF85p are air hanging heaters. For this purpose these models come without a tank and wheels, but are instead fitted with a frame for hanging.

## EQUIPMENT

# GF

- High thermal efficiency, up to 88.5%
- Ideal for space heating
- Easy to install
- Easy to operate
- Functions on diesel, kerosene or paraffin
- Photoelectric flame detection safety device
- Safety switch preventing over-heating
- Stainless steel combustion chamber
- Built-in oil filter





## Order information

GF-XXX-X-X e.g., GF85-b-1

Code for specifying size and type

- 35
- 55
- 85
- 35p (hanging version)
- 55p (hanging version)
- 85p (hanging version)

Code for specifying thermostat

- a No thermostat
- b Mechanical thermostat
- c Digital thermostat

Code for specifying chimney kit

- 1 With chimney kit
- 2 Without chimney kit

## Dimensions [mm]

Heater size	A	B	C	D	E	F
GF35	1,176	624	937	308	578	150
GF55	1,393	624	937	308	578	150
GF85	1,694	700	1,115	443	680	150
GF35p	1,200	460	643	308	283	150
GF55p	1,400	460	643	308	283	150
GF85p	1,700	575	784	443	349	150

## Technical specifications

	GF35	GF55	GF85	GF35p	GF55p	GF85p
Weight [kg]	70	76	121	55	59	103
Nominal heating power [kW]	37	53	84	37	53	84
heating power [ <i>kCal/h</i> ]	31,300	45,200	72,200	31,300	45,200	72,200
Thermal efficiency [%]	87.1	87.1	88.5	87.1	87.1	88.5
Oil consumption [l/h]	3.35	4.84	7.72	3.35	4.84	7.72
Tank capacity [l]	51	51	100	0	0	0
Nominal electrical power [W]	460	460	800	460	460	800
Voltage [V]	230	230	230	230	230	230
Airflow [m <sup>3</sup> /h]	2,000	2,500	4,500	2,000	2,500	4,500
[ <i>cfm</i> ]	1,190	1,480	2,670	1,190	1,480	2,670

GF is a product of Munters Italy S.p.A., Italy.



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