

## EQUIPMENT

# GRY – D

- Compact design
- Functions on diesel or kerosene
- Wide range of heaters from 15-60 kW
- Ideal for drying and heating
- Very easy to operate
- Safety switch preventing overheating
- Rotary air compressor
- Suitable for outdoor use
- GRY - D 60 can be connected to a room thermostat

# GRY – D

## Diesel/Kerosene direct-fired heater



GRY – D heater line provides a cost effective spot and space heating for an extensive variety of applications. The series of direct fired combustion diesel and kerosene heaters are primarily designed for drying in buildings and for heating of medium to large premises. The direct heater requires continuous ventilation for indoor use.

### The principle of operation

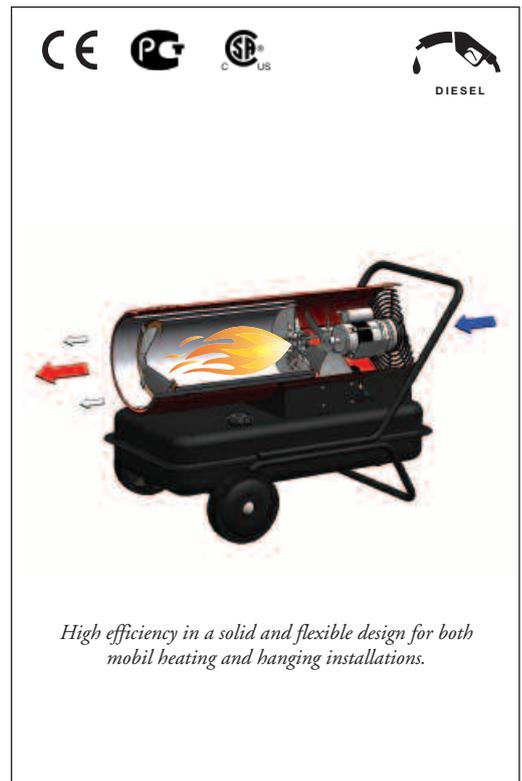
On the GRY-D heaters a rotary compressor drives air under pressure to the burner nozzle. The vacuum created inside the nozzle sucks the fuel from the tank. The mixture of fuel and air is then sprayed into the combustion chamber and ignited. The fan blows air inside and around the combustion chamber, air is heated and released at very high temperature through the front outlet.

### Design

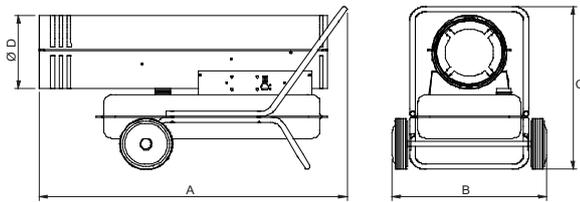
GRY – D 15 and 20 H are equipped with a handle and can easily be carried. GRY - D 20-60W models are fitted with wheels to be easily moved.

The combustion chambers on all models are made out of especially treated temperature resistant stainless steel. The byproduct of the combustion mainly consists of water vapor and carbon dioxide (CO<sub>2</sub>) which results in low emission. The units are all automatic and include a specially designed control board to operate the heater as well as controlling the flame. GRY – D 60 can be connected to a room thermostat. All the heaters include safety devices to control the flame, prevent overheating and also to optimize the fuel consumption.

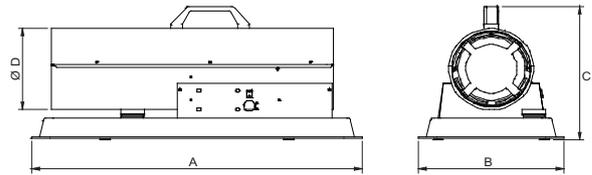
The units are also suitable for outdoors usage and meeting the requirements of the IPX4D protection class. GRY range releases all the heat through the air stream, which gives the heaters a 100% thermal efficiency.



*High efficiency in a solid and flexible design for both mobil heating and hanging installations.*



GRY – D W Direct heater with wheels



GRY – D H Direct heater with handle

## Dimensions

	A		B		C		Ø D		Weight	
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[kg]	[lb]
GRY – D 15 H	800	31.50	355	13.98	345	13.58	213	8.39	16	35
GRY – D 20 H	800	31.50	355	13.98	345	13.58	193	7.60	20	44
GRY – D 20 W	830	32.68	430	16.93	465	18.31	193	7.60	26	57
GRY – D 28 W	860	33.86	485	19.09	530	20.87	213	8.39	31	68
GRY – D 40 W	930	36.61	560	22.05	615	24.21	263	10.35	37	82
GRY – D 60 W	1,065	41.93	560	22.05	625	24.61	275	10.83	40	88

## Technical specifications

Model		GRY – D 15 H	GRY – D 20 H	GRY – D 20 W	GRY – D 28 W	GRY – D 40 W	GRY – D 60 W
Thermal Power	[kW]	15	23	23	28	43	61*
	[kcal/h]	12,900	20,000	20,000	24,100	37,000	56,700*
	[Btu/h]	51,600	80,000	80,000	96,400	148,000	210,900*
Airflow	[m <sup>3</sup> /h]	350	400	400	500	1,050	1,300
	[cfm]	206.5	236	236	295	619.5	767
Motor Power	[W]	100	100	100	150	250	250
Fuel Consumption	[l/h]	1.48	2.31	2.31	2.78	4.25	5.64
Voltage <sup>1</sup>		230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz
		110V-60Hz	110V-60Hz	110V-60Hz	110V-60Hz	110V-60Hz	110V-60Hz
Tank Capacity	[lt]	11	11	21	30	46	46
	[US gallon]	2.9	2.9	5.6	8.0	12.2	12.2

\*Based on upper calorific value  $H_s$

<sup>1</sup>A kit is available to convert the unit to be operated at 110V-50Hz

GRY – D is a product of Munters Italy S.p.A., Italy.

## Order information

GRY – D-XX-X-X e.g., GRY – D-20-H-E

Code for specifying size in kW.

15, 20, 28, 40, 60

Code for specifying the extra equipment.

W wheels

H handles

Code for spec. voltage

E 230V-50Hz

U 110V-60Hz

For accessories see separate leaflet.



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