

KID

Portable direct fired gas heater



The portable KID line provide a cost effective spot heating for a large variety of applications. The serie of direct fired combustion gas heaters are suitable for heating small/medium premises and well ventilated workshops as well as drying in construction industry.

The principle of operation

The portable heaters are available in two versions: automatic and manual ignitions. All models function on the principle of direct fired gas heating. A powerful fan is used to force air through a combustion chamber where the burner is situated. As the air passes through the burner, all the heat released by the combustion process is transferred to the air stream. This gives the heater a 100% thermal efficiency. The heat output of the heater can be varied by the manual adjustment of a regulating valve on KID 30 and bigger.

Design

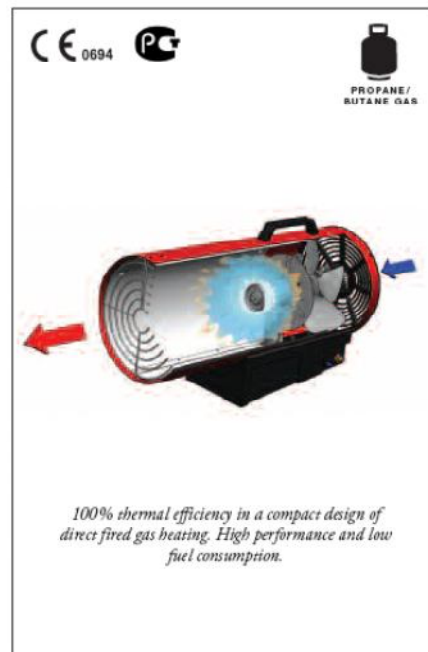
The units are light weighted and easy to carry. KID is designed in a secure way to protect the user from burning themselves when moving the heaters. KID heaters operates on Liquid Petroleum Gas (LPG). The by-products of combustion are mainly water vapor and carbon dioxide (CO₂).

The **manual version (M)** is equipped with a manual ignition device that needs to be pushed to light the flame.

EQUIPMENT

KID

- Compact portable gas heater
- Functions on propane gas (LPG)
- Heating output manually adjustable on KID 30 and larger models
- Wide range of heaters from 10 to 80 kW
- Ideal for space heating
- 100% thermal efficiency
- Easy to operate
- Safety switch preventing over-heating
- Double safety valve for shutting off gas supply
- Suitable for outdoor use



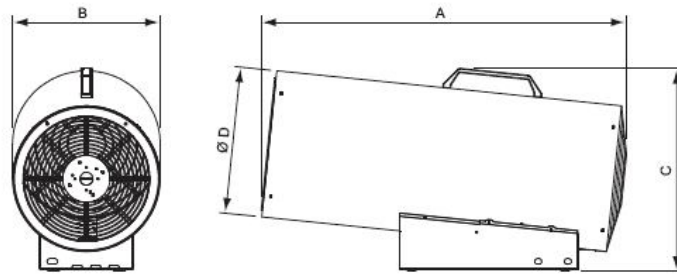
The **automatic version (A)**, includes a sophisticated control unit that starts the unit as well as controlling the flame.

The automatic version of KID heaters 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.

For accessories see separate leaflet.



Dimensions for KID (M) manual and KID (A) automatic

	A		B		C		Ø D		Weight	
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[kg]	[lb]
KID 10	390	15.35	180	7.09	270	10.63	180	7.09	5	11
KID 15	490	19.29	180	7.09	270	10.63	180	7.09	6	13
KID 30	530	20.87	280	11.02	400	15.75	280	11.02	11,5	25
KID 40	690	27.17	280	11.02	400	15.75	280	11.02	13	29
KID 60	780	30.71	370	14.57	520	20.47	370	14.57	20	44
KID 80	925	36.42	370	14.57	520	20.47	370	14.57	23	51

Technical specifications

KID model		10 (M)	15 (M)	30 (M/A)	40 (M/A)	60 (M/A)	80 (M/A)
Thermal Power	[kW]	10	17.5	12.4-31.2	26.6-43.5	26.9-58.4	35.8-82.1
	[kcal/h]	8,600	15,050	10,700-26,800	22,900-37,400	23,100-50,200	30,800-70,600
	[Btu/h]	34,400	59,700	42,400-106,500	90,900-148,400	91,800-199,500	122,200-280,400
Airflow	[m³/h]	300	300	750	850	1,800	2,450
	[cfm]	177	177	442.5	501.5	1,062	1,445.5
Gas Pressure	[bar]	0.3	0.7	1.5	2	2	2
Gas Consumption	[kg/h]	0.78	1.35	0.98-2.46	2.10-3.43	2.12-4.61	2.82-6.48
Voltage Manual Version (M)		230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50 Hz	230V-50Hz
Dual Voltage Manual Version (M)		-	-	110/230V-50Hz	110/230V-50Hz	110/230V-50Hz	110/230V-50Hz
Voltage Automatic Version (A)		-	-	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz