

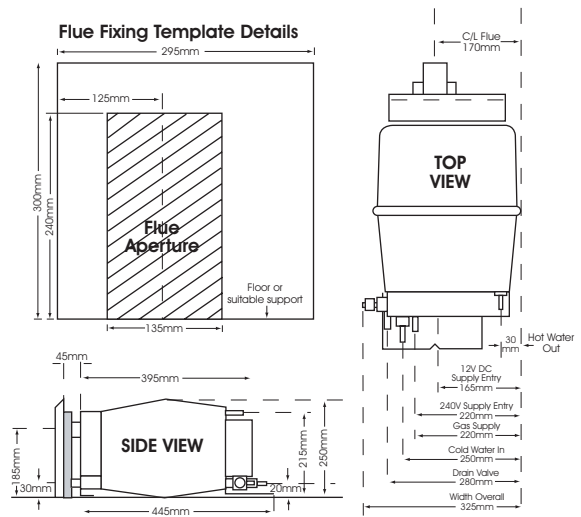


This high capacity water storage heater is available in two

versions, the standard Malaga, with an efficient gas burner, and the Malaga E, which has the additional benefit of a 750 watt electric heating element. Both heaters can provide a quick and efficient supply of hot water for showering and washing in touring and motor caravans.

Micro-processor Controlled Electronics

The Malaga 3 water heater is equipped with the latest Propex electronics for accurate digital control of the heaters operation and safety functions. The switch panel features a 3 position switch for selecting either "gas only" or "gas and 230v". If you want to use the heater on 230v only, you simply switch off the gas tap that supplies the heater whilst leaving the switch in the "gas and 230v" position. The red L.E.D. on the switch panel lets you know when the gas burner is operating and also, by flashing a certain amount of times, indicates various fault conditions.



Installation Requirements

1. The heater should be floor mounted or suitably supported, normally in the bed box.
2. The flue is designed to pass through a vertical section of the caravan wall, structural sections of which should not be damaged.
3. The flue terminal position should not be closer than 300mm below an opening window or 600mm from a vertical corner.
4. Clearances required for installation and servicing: as seen from inside the caravan.

LHS	240mm	RHS	5mm
Rear	100mm	Top	5mm

- **Large 13 litre capacity** – for longer washing and showering facilities
- **Efficient gas burner** – for faster warm up
- **750W element on Malaga E** – use on its own or with the gas burner for even faster hot water
- **Small flue terminal** – neat appearance outside the caravan
- **Safe** – combustion products are completely sealed from the caravan interior
- **Easy to fit and service** – all controls accessible at the rear of the unit
- **Electronic control** – turns on the heater at the flick of a switch and supervises burner operation
- **Automatic resettable overheat cut out**
- **Compact dimension** – more room to route pipework and ducting where necessary



1. Malaga flue Terminal
2. Flue adaptor plate (optional) for replacing Carver Cascade water heater with Malaga

TECHNICAL DATA

Dimensions

Overall	H250mm	W325mm	D445mm
Weight Empty			9.3kg
Tank Capacity			13 litres
Water Temperature Thermostat Setting			70°C
Overheat Thermostat Setting			90°C

Water Supply

The heater will operate satisfactorily on either a system where the pump is controlled by the tap microswitches or one controlled by a pressure switch. It must not be connected to mains water supply. Water connections can be provided to suit a range of standard fittings. Reinforced or semi rigid pipe must be used.

Pressure Relief Valve Settings	3 bar
Maximum Working Pressure	2 bar
Maximum Working Supply Pressure	1.3 bar

Gas Supply

Heat input	1.15kw	84g/h
Pressure Settings:	Propane	37mbar
	Butane	28mbar
	Mixtures	30mbar

Injector	Bray 960/40
Electrical Supply	12vDC
Gas Connection	8mm O.D.

Malaga E Only

Mains Electricity Supply	220/240vAC 50Hz Fused 5A
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The Malaga and Malaga E heaters have been tested and comply with the following: 90/396/EEC gas appliance directive. 89/336/EEC EMC directive. 73/23EEC low voltage directive. It is manufactured under ISO 9001:2000 plus annex 11.3 gas directives 90/396EEC



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