
PREHEAT ENGINEERING LIMITED



PEREGRINE



PEREGRINE

1, ADLER INDUSTRIAL ESTATE, BETAM ROAD, HAYES, MIDDLESEX UB3 1ST. U.K.
Tel: +44 (0)20 8848 1912 Fax: +44 (0)20 8848 1913 Sales@preheat.co.uk <http://www.preheat.co.uk>

COOLANT HEATER WATTAGE

When choosing a coolant heater for a particular engine, a number of factors are important.

If you use a wattage which is too low for the engine in question, in colder temperatures mid-winter the engine may not achieve the required temperature for easy starting.

If you use a wattage which is too high for the engine in question, the thermostat will control the temperature of the coolant within the heater body. However, the higher heat output will heat the coolant more quickly and the coolant returning to the heater may be too warm, forcing the thermostat to cycle excessively and thereby possibly causing premature thermostat failure. If the thermostat fails when too powerful a heater has been fitted there is the possibility that the engine coolant could overheat and cause engine damage.

It is also important to gauge a heater wattage by the minimum ambient temperatures with which it will have to contend. The heater kits we list on our Price List part 1 are for temperatures down to -10°C . For lower temperatures please ask. Obviously the lower the ambient temperature the higher the wattage needs to be for any given application.

We gauge the size of connections (hose tail, BSP, NPT etc) on our heaters to match the heater wattage. This enables the heat to pass quickly from the heater to the engine. We would not for example supply a 3000 watt coolant heater with $\frac{1}{2}$ " hose connections as there would be insufficient flow for the heat to pass from the heater.

If you have any queries about the heaters, heater types, connection sizes please do not hesitate to contact us. Information sheets IN1500 and IN1510 may assist. Please ask our Sales Office for copies. In cases where an installation is difficult, for example where an engine is low slung inside a boat hull, we recommend using a pumped heater kit. These are available for all engines and in the usual large range of wattages and voltages.

As always please contact our Sales Office with any queries.