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The Divex Electric Powered Water Heating Module, (WHE-03), has been designed and manufactured for use in professional diving systems. The system will heat and maintain control of the heated seawater within a temperature rise range of 0 to 50°C (32 to 122°F). The system incorporates a positive displacement pump, electric heaters and all electrical controls necessary to provide a complete water heating system for deep diving.

The WHE-03 assembly is comprised of a motor, pump, heater tank, pipework and a control panel. These components are mounted into a robust stainless steel frame. The system requires a constant supply of seawater and runs from a 440-480 V, 3-Phase, 60 Hz power supply. The output is heated seawater at pressures up to 68 bar and 45 litres/min.

The temperature control system of the WHE-03 has been designed to be simple and effective. The unit heats water in the heater tank using five banks of heater elements. These heater banks are controlled with five switches, mounted on the electrical enclosure. The banks of heaters are configured to deliver a variety of heating capacities depending on the combination of banks selected. When all five heater circuits are on, the total output is 190 kW. The appropriate heater circuits must be selected manually according to the relative temperature rise required. A schedule is attached to the front of the control panel door indicating the heater banks to be used for the required temperature rise.

Kinergetics Water Heater Electric (WHE-03)

Specification

Shipping Weight	580 kg
Dry Weight	460 kg
Power Requirements	440 VAC, 3-phase, 60 Hz, 150-190 kW, 210-250 A
Input Fluid	Fresh water or seawater
Input Pressure	3.4 to 10 bar
Input Flow	45 litres/min minimum
Output Pressure	Up to 68 bar
Output Flow	Up to 45 litres/min
Temperature Rise	
Control Range	0 to 50°C (32 to 122°F)
Temperature Control	± 1°C (± 2°F)

Kinergetics Water Heater Electric Powered (WHE-03) 45LPM

Order Code KI40018AA

Kinergetics Water Heater Electric Powered (WHE-03) 380V

Order Code KI40018AB



Kinergetics Water Heater Electric Powered (WHE-03) c/w Remote Panel 440VAC

Order Code KI40018AC

Kinergetics Water Heater Electric Powered (WHE-03) Spares Kit

Order Code KI40018200

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