



# OPERATION & MAINTENANCE MANUAL



**20/40kW Air Handler**

## **20/40kW AIR HANDLER**

This unit is designed to be easily portable & therefore has both electric and water inlet/outlet to allow easy installation

### **Electrical Connection**

This unit is supplied with a suitable mains lead which is fitted with a UK moulded 13 amp flat pin plug suitable for UK internal sockets.

### **Water Connection**

The type of connection from the unit to the customer feed & return system is not specified. However, the water circuits terminate in the correct grade flexible hose with a 1" / 25mm internal diameter. These protrude from the rear of the machine together with the outlet tube (small diameter - clear plastic) from the condensate pump.

### **Installation of Water System**

Connect external water feed & return to machine hoses, making sure that the correct inlet/outlet are being used (the inlet is marked at the diverter valve "AB") Ensure connections are water-tight.

### **Condensate**

At the same time pipe in the condensate outlet tube (small diameter - clear plastic tube) to a suitable drain. The condensate is automatically removed from the internal drain by an integral condensate pump which will discharge automatically when machine is switched on.

### **Electrical Connection**

After water system has been satisfactorily installed and checked for "no leaks" it is merely necessary to connect the electrical system by "plugging in" the unit plug to a suitable, internal 13 amp socket. The "Power On" light on machine fascia will now illuminate.

## **OPERATION**

To switch on fans it is necessary to switch on the unit fans (switch marked "Cooling On") Air flow is governed by operating the "Fan Speed" selector switch (1=Slow 2=Medium 3=Fast) to give the required level.

### **Thermostat Control**

Initial operation is to turn the thermostat knob anti-clockwise to it's maximum position. Thus causing the thermostatic valve to open and cooling water to flow through the unit. To achieve a suitable temperature slowly "back off" the thermostat knob by turning it clockwise until a suitable condition is reached when the machine will turn off the water flow.

Note: Fans will keep operating when water is not flowing, to equalise room temperature evenly.

### **Purge Button**

Normally only used when moving the machine to a different location. When pressed it manually operates the condensate pump to clear all water from the machine system. It is advisable to leave machine switched off for at least 20-30 minutes before "purging" to allow time for any water droplets on the coils to drop into the condensate pump reservoir and thus be removed.

Important Note: Should you have any queries please contact technical service on 0800 082 8001



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