

# The air heating system

## How the Airtronic works

A control switch (1), or a 7 day timer, will start the heater operation. The heater's motor will operate the fan (4) drawing in air for the combustion chamber (2) to mix with diesel. This is delivered by the remote factory set fuel metering pump (3). This draws the fuel for the heater from the tank.

A glow pin (5) ignites the fuel air mist and combustion is established. This heats the heat exchanger (6), and the products of the combustion (7) are passed out of the heater and on through flexible stainless steel tube to the exhaust outlet. The heater is not connected in any way to the engine.



The fresh air fan (8) draws in cold air for heating; quite separate from the combustion process. This air passes over the sealed, finned heat exchanger (6) and under pressure, passes through the duct work. This delivers the warm air which is automatically controlled to give your desired temperature.

All the components that go to make a full installation are purpose designed to work together reliably and withstand a tough environment.



		AIRTRONIC D2				AIRTRONIC D4				AIRTRONIC D5				D8LC	
Fuel		EN590 Diesel or Paraffin								EN590 Diesel or Paraffin		EN590 Diesel or Paraffin		EN590 Diesel or Paraffin	
Voltage	Volts	12 or 24								12 or 24		12 or 24		12 or 24	
Heat Settings		Power	High	Medium	Low	Power	High	Medium	Low	Power	High	Medium	Low	High	Low
Heat flow	watts	2,200	1,800	1,200	850	4,000	3,000	2,000	1,000	5,500	4,800	2,700	1,200	8,000	3,500
Air throughput	m3/h	90	75	52	36	150	130	95	55	233	233	137	137	258	250
Electrical power consumption	watts	34	23	12	8	40	24	13	7	85	80	30	15	115	115
Fuel consumption	l/h	0.28	0.23	0.15	0.10	0.51	0.38	0.25	0.13	0.7	0.58	0.34	0.15	1.00	0.40
Weight	kg	2.7				4.5				8				20	
Technical Features		<ul style="list-style-type: none"> <li>• Electronic speed control with gentle adjustment, low noise and low power consumption               <ul style="list-style-type: none"> <li>• Fully integrated microprocessor control</li> <li>• Continuous monitoring</li> </ul> </li> <li>• Fan function possible for summer operation               <ul style="list-style-type: none"> <li>• Diagnostic system</li> </ul> </li> </ul>													