

## TECHNICAL DATA

<b>HEATER TYPE</b>	Hydronic S3 Economy		
<b>VERSION</b>	D 4 E CS		
<b>HEATING MEDIUM</b>	Mixture of water and antifreeze (Proportion of antifreeze at least 10 % up to 50 % maximum)		
<b>FUEL</b>	Diesel – standard commercially available (EN 590) Blending with max. 30 % FAME according to EN 14214 is permitted.		
<b>CONTROL OF THE HEAT FLOW</b>		<b>HIGH</b>	<b>LOW</b>
<b>HEAT FLOW (WATT)</b>		4300	1300
<b>FUEL CONSUMPTION (L/H)</b>		0.53	0.15
<b>AVERAGE ELECTRICAL POWER CONSUMPTION (WATT)</b>	during operation	27	5
	while starting	135	
<b>RATED VOLTAGE</b>		12 volt	
<b>OPERATING RANGE</b>	<b>LOWER VOLTAGE LIMIT: UNDERVOLTAGE PROTECTION INSTALLED IN THE CONTROL BOX SWITCHES OFF THE HEATER ON REACHING THE VOLTAGE LIMIT.</b>		10.5 Volt
	<b>UPPER VOLTAGE LIMIT: OVERVOLTAGE PROTECTION INSTALLED IN THE CONTROL BOX SWITCHES OFF THE HEATER ON REACHING THE VOLTAGE LIMIT.</b>		16 Volt
<b>TOLERABLE OPERATING PRESSURE</b>		up to 2.5 bar overpressure	
<b>WATER VOLUME IN THE HEATER</b>		approx. 0.09 l	
<b>MINIMUM WATER FLOW RATE OF THE HEATER</b>		300 l/h	
<b>AMBIENT TEMPERATURE</b>	Heater / Control box	during operation	-40 °C to +80 °C
		not in operation	-40 °C to +105 °C, short-term +125 °C (5 x 2h)
	Metering pump	during operation	-40 °C to +50 °C
		not in operation	-40 °C to +105 °C
Drawn-in combustion air		max. +45 °C, short-term +80 °C (15 minutes)	
<b>INTERFERENCE SUPPRESSION</b>		Interference suppression class 5 to DIN EN 55 025	
<b>WEIGHT- WITHOUT COOLANT AND A TTACHMENTS</b>		approx. 2 kg	
<b>Degree of protection DIN 40050, Part 9</b>	Heater (in operation)		IP5K6K <sup>1)</sup>
	Heater (not in operation)		IP5K6K <sup>1)</sup>
<b>TECHNICAL DATA, WATER PUMP</b>	<b>RATED VOLTAGE</b>		12 volt
	<b>NOMINAL CURRENT</b>		max. 1.6 A
	<b>NOMINAL DELIVERY PRESSURE</b>		0.2 bar
	<b>DELIVERY RATE</b>		≥ 500 l/h

1) The heater is protected against harmful quantities of dust, powerful water jet under increased pressure and water during high-pressure/steam cleaning (provided it is not in operation). The control box is dustproof, completely protected against powerful water jet under increased pressure and water during high-pressure/steam cleaning (provided it is not in operation).

Provided no other values are given, the technical data provided is with the usual tolerances of ±10 % at rated voltage, 20 °C ambient temperature and reference altitude Esslingen.