

TECHNICAL DATA

HEATER TYPE	Hydronic S3 Economy		
VERSION	D 5 E CS		
HEATING MEDIUM	Mixture of water and antifreeze (Proportion of antifreeze at least 10 % up to 50 % maximum)		
FUEL	Diesel – standard commercially available (EN 590) Blending with max. 30 % FAME according to EN 14214 is permitted.		
CONTROL OF THE HEAT FLOW		HIGH	LOW
HEAT FLOW (WATT)		5000	1300
FUEL CONSUMPTION (L/H)		0.59	0.15
AVERAGE ELECTRICAL POWER CONSUMPTION (WATT)	during operation	32	5
	while starting	135	
RATED VOLTAGE		12 volt	
OPERATING RANGE	LOWER VOLTAGE LIMIT: UNDERVOLTAGE PROTECTION INSTALLED IN THE CONTROL BOX SWITCHES OFF THE HEATER ON REACHING THE VOLTAGE LIMIT.		10.5 Volt
	UPPER VOLTAGE LIMIT: OVERVOLTAGE PROTECTION INSTALLED IN THE CONTROL BOX SWITCHES OFF THE HEATER ON REACHING THE VOLTAGE LIMIT.		16 Volt
TOLERABLE OPERATING PRESSURE		up to 2.5 bar overpressure	
WATER VOLUME IN THE HEATER		approx. 0.09 l	
MINIMUM WATER FLOW RATE OF THE HEATER		300 l/h	
AMBIENT TEMPERATURE	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)	
INTERFERENCE SUPPRESSION		Interference suppression class 5 to DIN EN 55 025	
WEIGHT- WITHOUT COOLANT AND A TTACHMENTS		approx. 2 kg	
Degree of protection DIN 40050, Part 9	Heater (in operation)		IP5K6K ¹⁾
	Heater (not in operation)		IP5K6K ¹⁾
TECHNICAL DATA, WATER PUMP	RATED VOLTAGE		12 volt
	NOMINAL CURRENT		max. 1.6 A
	NOMINAL DELIVERY PRESSURE		0.2 bar
	DELIVERY RATE		≥ 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.