PRODUCT DATA SHEET

HYDRONIC S3 ECONOMY D5E 12V CS 12V - 25.2934 / 25.2993



TECHNICAL DATA

HEATER TYPE	Hydronic S3 Economy			
VERSION	D 5 E CS			
MEATING Mixture of water and antifreeze (Proportion of antifreeze at least 10 % up to 50 % maximum)				
FUEL		commercially available (EN 590) Blending NME 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 ELECTI		during operation	32	5
CONSUMPTION ((WATT)	while starting	135	
RATED VOLTAGE			12 volt	
RANGE INSTALLED IN TH		LIMIT: UNDERVOLTAGE PROTECTION E CONTROL BOX SWITCHES OFF THE HEATER E VOLTAGE LIMIT.	10.5 Volt	
	UPPER VOLTAGE LIMIT: OVERVOLTAGE PROTECTION INSTALLED IN THE CONTROL BOX SWITCHES OFF THE HEATE ON REACHING THE VOLTAGE LIMIT.		16 Volt	
TOLERABLE OPERATING PRESSURE			up to 2.5 bar overpressure	
I OLERABLE OPE	IVATINO I RESSORE		op to 2.3 bar	overpressore
WATER VOLUME			approx	•
WATER VOLUME		IE HEATER		. 0.09 l
WATER VOLUME MINIMUM WATER AMBIENT	R FLOW RATE OF TH	IE HEATER during operation	approx	. 0.09 l
WATER VOLUME	IN THE HEATER		approx	. 0.09 l l/h p+80 °C
WATER VOLUME MINIMUM WATER AMBIENT	R FLOW RATE OF THE Heater / Control box	during operation	approx 300 -40 °C t	. 0.09 l l/h p +80 °C rt-term +125 °C (5 x 2h)
WATER VOLUME MINIMUM WATER AMBIENT	R FLOW RATE OF TH	during operation not in operation	approx 300 -40 °C t -40 °C to +105 °C, sho	. 0.09 l l/h p +80 °C t-term +125 °C (5 x 2h) p +50 °C
WATER VOLUME MINIMUM WATER AMBIENT	R FLOW RATE OF THE Heater / Control box	during operation not in operation during operation not in operation	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C t	. 0.09 l l/h D +80 °C t-term +125 °C (5 x 2h) D +50 °C D +105 °C
WATER VOLUME MINIMUM WATER AMBIENT	Heater / Control box Metering pump Drawn-in combus	during operation not in operation during operation not in operation	approx 300 -40 °C to -40 °C to -40 °C to -40 °C to	. 0.09 l l/h p +80 °C t-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes)
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE	Heater / Control box Metering pump Drawn-in combus	during operation not in operation during operation not in operation not in operation tion air	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C t -40 °C t max. +45 °C, short-ter	. 0.09 l L/h p +80 °C t-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes) class 5 to DIN EN 55 025
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE INTERFERENCE S WEIGHT- WITHO Degree of protect	Heater / Control box Metering pump Drawn-in combus SUPPRESSION OUT COOLANT AND A	during operation not in operation during operation not in operation not in operation tion air	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C t -40 °C t 10 °C to 11 The state of the stat	. 0.09 l l/h p+80 °C t-term +125 °C (5 x 2h) p+50 °C p+105 °C m+80 °C (15 minutes) class 5 to DIN EN 55 025 k. 2 kg
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE INTERFERENCE S WEIGHT- WITHO	Heater / Control box Metering pump Drawn-in combus SUPPRESSION OUT COOLANT AND A	during operation not in operation during operation not in operation tion air	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C t -40 °C t Interference suppression approx	. 0.09 l l/h p +80 °C t-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes) class 5 to DIN EN 55 025 k. 2 kg 66K ¹⁾
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE INTERFERENCE S WEIGHT- WITHO Degree of protect	Heater / Control box Metering pump Drawn-in combus SUPPRESSION OUT COOLANT AND A	during operation not in operation during operation not in operation tion air A TTACHMENTS Heater (in operation)	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C t -40 °C tc max. +45 °C, short-ter Interference suppression approx IP5k	0.09 l l/h p +80 °C rt-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes) class 5 to DIN EN 55 025 x. 2 kg (6K ¹)
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE INTERFERENCE S WEIGHT- WITHO Degree of protect DIN 40050, Part of	Heater / Control box Metering pump Drawn-in combus SUPPRESSION OUT COOLANT AND A	during operation not in operation during operation not in operation tion air ATTACHMENTS Heater (in operation) Heater (not in operation)	approx 300 -40 °C tc -40 °C tc +105 °C, sho -40 °C tc -40 °C tc max. +45 °C, short-ter Interference suppression approx IP5k	. 0.09 l l/h p +80 °C t-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes) class 5 to DIN EN 55 025 k. 2 kg (6K¹)
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE INTERFERENCE S WEIGHT- WITHO Degree of protect DIN 40050, Part 9	Heater / Control box Metering pump Drawn-in combus SUPPRESSION OUT COOLANT AND A	during operation not in operation during operation not in operation tion air A TTACHMENTS Heater (in operation) Heater (not in operation)	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C tc -40 °C tc max. +45 °C, short-ter Interference suppression approx IP5k	. 0.09 l l/h p +80 °C rt-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes) class 5 to DIN EN 55 025 c. 2 kg (6K¹) cl6K¹) rolt 1.6 A
WATER VOLUME MINIMUM WATER AMBIENT TEMPERATURE INTERFERENCE S WEIGHT- WITHO Degree of protect DIN 40050, Part of TECHNICAL DATA,	Heater / Control box Metering pump Drawn-in combus GUPPRESSION DUT COOLANT AND A tion 9 RATED VOLTAGE NOMINAL CURRE	during operation not in operation during operation not in operation tion air A TTACHMENTS Heater (in operation) Heater (not in operation)	approx 300 -40 °C t -40 °C to +105 °C, sho -40 °C t -40 °C tc max. +45 °C, short-ter Interference suppression approx IP5k IP5k	0.09 l l/h p +80 °C t-term +125 °C (5 x 2h) p +50 °C p +105 °C m +80 °C (15 minutes) class 5 to DIN EN 55 025 k. 2 kg l6K ¹⁾ l6K ¹⁾ rolt 1.6 A bar

1) The heater is protected against harmful quantities of dust, powerful water jet under increased pressure and wa ter 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 $\pm 10\,$ % at rated voltage, 20 °C ambient temperature and reference altitude Esslingen.

