SH AUTO 5M

Hot water self service unit as a low investment money maker

Nilfisk

Spring assisted boom facilitates movement around the vehicle and reduces tiredness

Easy to use foam brush system to increase cleaning efficiency

Low forces required for spray gun activation thanks to the flow activated, pressure released system

Stainless steel frame and cabinet as standard to protect against corrosion and ensure long life even in adverse weather conditions

Simple, intuitive selector switch for programme selection and change over

Clear display of remaining cleaning time

Low noise levels on all programmes with reduced speed motor pump

Frequent modulated motor. Low wear and downtime, reduced water and electrical consumption

Self service hot water unit specially suited for service stations

Innovative solutions for improved return on investment

The line of innovative SH AUTO 5M is built around Variable Frequency Motor Technology to offer a significantly more reliable, long lasting and quiet solution for self service cleaning. Due to the reduced machine cost and reduced service cost expectations, return on investment for service stations and other investors purchasing and installing these units will be much quicker.

The SH AUTO 5M motor pumps are controlled by a frequency modulator, adjusting the incoming electrical frequency to the motor unit. As the frequency is adjusted, motor speed is increased or decreased accordingly. As a result of this change in speed, water flow and pressure from the pump are modified by a change in speed of the pistons.

The technology then reduces wear and tear and enables us to implement pumps without additional complex unloader parts. In addition, running at lower frequencies and speeds, motor pumps are much quieter…giving a more comfortable cleaning experience for the user.

SH AUTO 5M offers so much more...

- Frequency Modulator for motor pump unit
- Fewer parts in the pump: less complex and lower wear and tear/ maintenance and higher reliability means less cost for investor and quicker pay-back on investment.
- Low noise level on all modes: more pleasant cleaning experience for the actual user
- Frost Protection function: based on simply running the motor pump unit very slowly instead of complex system including feeder pump. More reliability, less maintenance and also lower overall electricity and water consumption = lower lifetime cost.
- Diesel and Electrical heating models available including version with stainless steel coil for higher reliability and less downtime in areas with soft water.
- BOOST function with higher performance than standard car cleaning for quicker cleaning of incrusted dirt for example on commercial vehicles.
- Adjustable No Scale dosing pump for more accurate protection of the boiler coil against hard water, thus reducing maintenance needs and downtime.
- Improved selector switch for increased reliability.
- Flow activated pump control system for added user comfort through lowered forces needed at the spray gun. Improves the cleaning experience.
- Water filter solution for improved protection of the pump against poor water quality and thus improved reliability and reduced downtime.

Your customers will benefit from easy, comfortable cleaning. A sure-fire way to ensure that they keep coming back time and time again!

- SH AUTO 5M is available in various models depending on requirements and environment: diesel heated with steel coil, diesel heated with stainless steel coil, electrical heated
- Water softeners, stainless steel coils and anti scale solutions protect components even in areas with harsh water quality
- Fewer complex wear parts due to Variable Frequency technology means less downtime and longer working life
- Ideal performances for quick and efficient car cleaning without risk of damaging paintwork
- Brush solution available for increased cleaning performance
- Choice of up to 3 detergents and 5 programmes for light through to intensive cleaning
- Optional water softener unit ensures quality effect without staining
- Stainless steel coil available for use in areas with soft water to maintain cleaning effect without staining from wrong use; and saves wear and energy.

TECHNICAL SPECIFICATIONS

Description	SH AUTO 5M-100/500 D	SH AUTO 5M-100/500 DSS	SH AUTO 5M-100/500 E
Item no.	107370880	107370882	107370885
Pump pressure (bar/MPa)	100/10	100/10	100/10
Cleaning impact (kg/force)	2.0	2.0	2.0
Water flow Qmax/Qiec (l/h)	500/500	500/500	500/500
Boost water flow Qiec (l/h)	565	565	565
Max. inlet temperature (°C)	30	30	30
Pump (RPM)	44 to 1160	44 to 1160	44 to 1160
Water temperature (°C)	20-60	20-60	20-60
Fuel consumption, ΔT=45°C (kg/h)	2.3	2.3	
Fuel tank (l)	33	33	
Detergent tank (l)	2 x 25	2 x 25	2 x 25
Dimensions L x W x H (mm)	725 x 1090 x 1635	725 x 1090 x 1635	725 x 1090 x 1550
Weight (kg)	204	204	182
Motor power consumption (kW)	0.22 - 3.5	0.22 - 3.5	0.22 - 3.5 + 12
Electrical heater power consumption (kW)			12
Frequency (Hz)	Variable	Variable	Variable
Current (Amp)	14.5	14.5	27
Voltage/phase (V/~)	400/3/	400/3/	400/3/
Nozzle size	0370	0370	0370
Features:			
Pistons / number of pistons	Ceramic / 3	Ceramic / 3	Ceramic / 3
Diesel version	•	•	
Electrical version			•
Low pump oil safety	•	•	•
Frequency transformer unit	•	•	•
Internal heater	•	•	•
Closed circuit frost protection	•	•	•
Stainless steel coil		•	
Standard equipment:			
HP hose (DN6)	101405641 [7.5 m]	101405641 [7.5 m]	101405641 [7.5 m]
Winter gun, - 12 bar	106402243	106402243	106402243
Water inlet coupling	61369	61369	61369
Universal Plus lance without HP nozzle	106403037	106403037	106403037
Tornado Plus nozzle	101119737	101119737	101119737

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