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Technical Specification Sheet

RHINO ST SERIES H/12/H20/H26



Motor	<p>STAHOT12MODP Model: WEG Electric motor 2.2kW (240V) foot mounted with C face, totally enclosed and fan cooled, to IP rating 54 Efficiency Rating 2</p> <p>STAHOT20MODP Model: WEG Electric motor 4Kw (415V) foot mounted with C face, totally enclosed and fan cooled, to IP rating 54 Efficiency Rating 2</p> <p>STAHOT26MODP Model: WEG Electric Motor 5.5Kw (415V) foot mounted with C face, totally enclosed and fan cooled, to IP rating 54 Efficiency Rating 2</p>
Pump	SPECK Triplex plunger pump with oil bath crankcase and 3 ceramic plungers for smooth pulsation free running and longer life.
Pump/Motor Coupling	A 3 part flexi drive coupling enclosed in a bell housing between the Pump and Motor ensures accurate alignment of Pump and Motor drive shafts
Unloader Valve	Regulates pressure and by-passes water at substantially zero pressure when the gun is closed. No pressure locked in outlet line (gun hose) when gun is closed.
Start up Prevention	Prevents automatic re-start after power any failure.
Burner Unit	Vertically mounted oil burner unit complete with fuel pump, burner motor, pump solenoid valve and ignition transformer. A Honeywell Satronic flame failure protection system to BS EN 230 is fitted as standard and operates by means of photo electric cell and flame lockout control unit. Heat output of burner is 58,000 Kcal (64kw). The heating coil within the burner unit is manufactured with 29.5 metres double coiled steel tube 17mm o/d x 2.2mm thick wall with a burst pressure of 500bar.
Detergent Tank	25 litres / 5.5 gallons.
Fuel Tank (Burner)	25 litres / 5.5 gallons.
Water Tank	A 4 gallon capacity tank with ball valve (to BS1212 Part 2) to water board specification. This tank is supplied with type AB air gap to comply with Water Regulations.



Detergent System	Low pressure post pump injection via secure adjustable metering valve for control of correct dilution rate.
Gun Hose	Wire braided high pressure hose available in various lengths to suit application. 10 metre (30ft) supplied as standard. Working pressure 400 bar (5800 psi) Bursting pressure 1000 bar (14500 psi)
Cleaning Lance	Twin lance 800mm long used with low pressure detergent system with on/off detergent injection control incorporated.
Control Panel	Housed in weather proof enclosure to IP55, controls are 110V CTE to BS EN 60204-1
Run-on Timer	Switches the machine off after 1 ½ minutes if left unused by the operator. The timer which is activated by a pressure switch is preset but can be adjusted to your requirements.
Safety Valve	Located at outlet of heating coil to relieve excess pressure to atmosphere.
Flow Switch/ Pressure Switch	Electro-mechanical devices fitted for operation and safety control of burner.
Mains Cable	Oil resistant and wire braided
Water Thermostat	Electro-mechanical switch fitted to outlet of heating coil to break the control circuit to burner if temperature rises above 95 C.
Pressure Gauge	Graduated in psi and bar and glycerine damped.
Chassis	A steel cabinet with lockable door for access to Pump and Burner Modules all powder coated to RAL3001.
Automatic Frost Protection	A heater is incorporated on the Pump Module and is controlled by a frost-stat. When the temperature drops to 2°C the heater is automatically switched on to protect internal equipment.
Jets	15° fan jet supplied as standard.
Temperature	0° - 70° C
Dimensions	857mmL x 756mmD x 1252mmH
Weight:	STAHOT12MODP Model: 283.6kg STAHOT20MODP Model: 280.6kg STAHOT26MODP Model: 286.6kg
Flow and Pressure	STAHOT12MODP Model: 13 lpm @ 83 bar (2.8 gpm @ 1200 psi) STAHOT20MODP Model: 15 lpm @ 138 bar (3.3 gpm @ 2000 psi) STAHOT26MODP Model: 15 lpm @ 180 bar (3.3 gpm @ 2600 psi)
Hand & Arm: Vibration	STAHOT12MODP Model Vibration Magnitude = 0.43m/s ² STAHOT20MODP Model Vibration Magnitude = 0.45m/s ² STAHOT26MODP Model Vibration Magnitude = 0.29m/s ² With reference to HSE published exposure levels of vibration, the vibration levels produced by this equipment is well below the published EAV of 2.5m/s ² (8) and can be used continuously.

Tech.Spec.AG.HOTCOLDMODULAR.101904.001

