



RHINOWASH

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Technical Specification Sheet

RHINO RX SERIES HOT ON SITE WASH



- Container** A secure semi-permanent container of all steel construction, corrugated for additional strength. 1980mm Long x 1950mm Wide x 1910mm High with hinged double door and special rubber seal around all the doors. Complete with Door Security System all manufactured to ISO Norm Dimensions Germanischer Lloyd Type Test. Gross Weight 880kg
- Electrical** The On Site Wash System is supplied completely wired. A 240v or 415v Distribution Panel is located inside the container with RCD & MCB Protection for all circuits. Commando Type Industrial Socket Outlets are incorporated on the Distribution Panel supplying the Power Washers housed within the Container. A Weatherproof fluorescent light and light switch are also installed within the container. A fully automatic Frost Protection System is also installed.
- Earthing – Supplementary bonding conductors are used extensively within the On Site Wash and a main equipotential bonding point is available externally to allow you to further earth bond to. The above to BS7671 & IEC 364-7-717
- Plumbing** The container is fully plumbed inside to BS7291-3:2000 – Our Power Wash Equipment is Water Board Approved and can be supplied direct from the water mains.
- Exhaust** Fully vented Stainless Steel Chimney Exhaust System
- Fuel Storage** 1130 Litre (250 gal) Bunded Fuel Tank with Clock Type Gauge
- Detergent Storage** Ample room for 205 Litre Detergent Containers
- Handling** The container can be easily moved with forklift or crane – angle of lifting chains and horizontal line must be at least 60 degrees – do not lift with a spreader bar



Technical Specification of Power Washer located within the Container

RHINO ST SERIES HF12/HF20/HF26

Motor	<p>HF12 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>HF20 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>HF26 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 failure.
Burner Unit	Vertically mounted 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 wall with a burst pressure of 500bar.
Water Tank	A 4 gallon capacity tank with ball valve (to BS1212 Part 2) to water board specification. Tank supplied with type AB air gap to comply with Water Regulations.
Detergent System	Low-pressure post pump injection via adjustable metering valve for control of correct dilution rate.
Gun Hose	Wire braided high pressure 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 weatherproof 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 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 730mmL x 800mmD x 1560mmH

Weight:
RHiNO ST SERIES HF12 Model: 223.3kg
RHiNO ST SERIES HF20 Model: 220.3kg
RHiNO ST SERIES HF26 Model: 226.8kg

Flow and Pressure
RHiNO ST SERIES HF12 Model: 13 lpm @ 83 bar (2.8 gpm @ 1200 psi)
RHiNO ST SERIES HF20 Model: 15 lpm @ 138 bar (3.3 gpm @ 2000 psi)
RHiNO ST SERIES HF26 Model: 15 lpm @ 180 bar (3.3 gpm @ 2600 psi)

Hand & Arm: Vibration
RHiNO ST SERIES HF12 Model Vibration Magnitude = 0.43m/s²
RHiNO ST SERIES HF20 Model Vibration Magnitude = 0.45m/s²
RHiNO ST SERIES HF26 Model Vibration Magnitude = 0.29m/s²
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/s² (8) **and can be used continuously.**

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