



# RHINOWASH

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## Technical Specification Sheet

### RHINO MX SERIES H12/H20/H26

<b>Motor</b>	<p><b><u>MOBHOT12MODNP Model:</u></b> WEG Electric motor 2.2kW (240V 1450 RPM) foot mounted with C face, totally enclosed and fan cooled, to IP rating 54 Efficiency Rating 2</p> <p><b><u>MOBHOT20MODNP Model:</u></b> WEG Electric motor 4Kw (415V 1450 RPM) foot mounted with C face, totally enclosed and fan cooled, to IP rating 54 Efficiency Rating 2</p> <p><b><u>MOBHOT26MODNP Model:</u></b> WEG Electric motor 5.5Kw (415V 1450 RPM) foot mounted with C face, totally enclosed and fan cooled, to IP rating 54 Efficiency Rating 2</p>
<b>Pump</b>	SPECK Triplex plunger pump with oil bath crankcase and 3 ceramic plungers for smooth pulsation free running and longer life.
<b>Hose reel</b>	<b>Optional extra:</b> Live type hose reel which can take up to 80m of high pressure hose.
<b>Pump/Motor Coupling</b>	3 part flexi drive coupling enclosed in a bell housing between the Pump and Motor ensures accurate alignment of Pump and Motor drive shafts.
<b>Unloader Valve</b>	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.
<b>Start Up Prevention</b>	Prevents automatic re-start after power failure.
<b>Burner Unit</b>	Vertically mounted burner unit complete with fuel pump, burner motor, pump solenoid valve and ignition transformer. A flame failure protection system to BS EN 230 is fitted as standard and operates by means of photo electric cell and flame lockout Satronic control box. 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.
<b>Detergent Tank</b>	25 litres / 5.5 gallons.
<b>Fuel Tank</b>	25 litres / 5.5 gallons.
<b>Water Tank:</b>	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.



<b>Detergent System</b>	Low-pressure post pump injection via adjustable metering valve for control of correct dilution rate.
<b>Gun Hose</b>	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)
<b>Cleaning Lance</b>	Twin lance 800mm long used with low pressure detergent system with on/off detergent injection control incorporated.
<b>Electric</b>	Housed in weatherproof enclosure to IP55. User controls 110V to BS EN 60204-1
<b>Run-on Timer</b>	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.
<b>Safety Valve</b>	Located at outlet of heating coil to relieve excess pressure to atmosphere.
<b>Flow Switch/ Pressure Switch</b>	Electro-mechanical devices fitted for operation and safety control of burner.
<b>Mains Cable</b>	Oil resistant and wire armoured.
<b>Thermostat</b>	Electro-mechanical switch fitted to outlet of heating coil to break circuit to burner if temperature rises above 95 C.
<b>Pressure Gauge</b>	Graduated in psi and bar and glycerine damped.
<b>Chassis</b>	A steel cabinet with two piece lockable door for access into cabinet with Pump and Burner Modules. All powder coated to RAL3001.
<b>Automatic Frost Protection</b>	A heater is incorporated within the cabinet and is controlled by a frost-stat. When the temperature drops to 2°C the heater is automatically switched on to protect internal equipment.
<b>Jets</b>	15 <sup>0</sup> fan jet supplied as standard.
<b>Temperature</b>	0° - 70° C
<b>Dimensions</b>	1450mmL x 790mmD x 1130H
<b>Weight:</b>	<b>MOBHOT12MODNP Model:</b> 304.6kg <b>MOBHOT20MODNP Model:</b> 301.6kg <b>MODHOT26MODNP Model:</b> 306.6kg
<b>Flow and Pressure</b>	<b>MOBHOT12MODNP Model:</b> 13 lpm @ 83 bar (2.8 gpm @ 1200 psi) <b>MOBHOT20MODNP Model:</b> 15 lpm @ 138bar (3.3 gpm @ 2000 psi) <b>MODHOT26MODNP Model:</b> 15 lpm @ 180bar (3.3 gpm @ 2600 psi)
<b>Hand &amp; Arm: Vibration</b>	<b>MODHOT12MODNP Model</b> Vibration Magnitude = 0.43m/s <sup>2</sup> <b>MOBHOT20MODNP Model</b> Vibration Magnitude = 0.45m/s <sup>2</sup> <b>MODHOT26MODNP Model</b> Vibration Magnitude = 0.29m/s <sup>2</sup> 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 <sup>2</sup> (8) <b>and can be used continuously.</b>

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