



Hippowash JX System

Power Requirement:

Mains Electric:

400 volt 3 phase neutral + earth

Supply: 30 Amps

Generator: 30 KVA prime

Type of Start: Soft start

Wash Platform

Length	4.00 metres
Width	3.30 metres
Height	0.4 metres
Sump & chute	0.7 metres ²
Chute depth	0.35 metres
Weight	4 tonnes
Finish	Shotblast 3 coat
Sidescreen Height	2.25 metres
Sidescreen Width	3.65 metres
Sidescreen Finish	Galvanised

Spray Nozzles

Size	5/7mm aperture
Number	98
Flow rate per Nozzle	12 litres/min
Pressure at Nozzle	2 bar (30psi)
Material	Solid brass

Entry / Exit Ramps (Optional)

Length	3.00 metres
Width	1.30 metres
Height	0.40 metres
Weight	1.44 tonne (pair)
Finish	Hot dip galvanised

Wash Pump

Power Rating	11KW
Flow Rate	1000 litres/min
Pressure	3 bar (45psi)

Steel Recycling Lagoon

Capacity	25,000 litres
Capacity (clean end)	8,400 litres
Length	6.00 metres
Width	2.80 metres
Height	1.5 metres
Weight	2.8 tonnes
Finish	Painted red oxide

Warranties

Steel work	10 years
Pumps & Controls	12 months manufacturer's guarantee extendable to 3 years.

Requirements of Customer

- Suitable base/excavation to be prepared to site Hippowash JX unit 10 metres long 3.5 metres wide —flat level hardstanding area, compacted type 1 ballast or similar
- Excavation adjacent to wash for the lagoon 6 metres x 2.8 metres x 1.5 metres deep (compactd base type 1 ballast or similar + backfill)
- Initial **clean** water fill and top up into clean end of lagoon (if required)
- Periodic emptying of settled solids in lagoon by bucket or vacuum tanker
- Customer appointed electrician to connect power to control panel

Full installation drawings and a generic method statement are provided by CDM Steels Ltd.



Power Requirement:
Mains Electric:
 400 volt 3 phase neutral + earth
Supply: 30 Amps
 Generator **30 KVA prime**

Hippowash JX System

Features unique to Hippowash are highlighted in green

Features	Benefits
The Wash	
Rumble Grid 4 metres long for 1.5 full wheel revolutions	<ul style="list-style-type: none"> Keep tyre treads open, facilitating muck removal Wash water and associated debris falls through grid into the wash platform sub-floor for prompt removal via waste chute Wide enough to accommodate all road-going vehicles 3600mm width
Closed loop water delivery main powered by submersible wash pump (11kW) on soft start 1000 litres/min	<ul style="list-style-type: none"> Effective cleaning by delivering high volumes of water under high pressure Unique, low-profile spray in cross-hatch pattern targets at tyre tread and under-chassis Approx. 95% water recovery for recycling Unlimited vehicle throughput
Sub-floor	<ul style="list-style-type: none"> 3-way slope works with the pressure of the wash to force waste water via waste chute for recycling
Side Screens Fully galvanised Standard or bespoke widths	<ul style="list-style-type: none"> Prevent overspray, assist in wash water reclamation Act as a guide for drivers Will last the life of the unit
Water Recycling	
Inset Steel Lagoon	<ul style="list-style-type: none"> 25,000 litres settlement lagoon inset lower than wash platform to facilitate gravity feed of wash water 8,400 litres of header (clean end) Removes 95% of solids down to 1.0mm Units are easy to set up and mobile Galvanised walkway covers clean end to allow pedestrian access to pumps and filter plates Removable galvanised steel handrails surrounds lagoon
Entry & Exit	
Vehicle Recognition Sensor White Light Reflex	<ul style="list-style-type: none"> Fully-automated system, requiring no driver involvement Wash is timed to shut down automatically after whole vehicle has been through wash The only sensors to prevent nuisance starts
Rumble Ramps (entry& exit) Fully galvanised For above-ground systems	<ul style="list-style-type: none"> Slow down site vehicles on entry Angles shake off initial surface mud and debris Robust structure will take all site vehicles Optimal inclination prevents vehicle grounding
Controls	
Control Panel Full spec available on request	<ul style="list-style-type: none"> All controls included to ensure the unit runs safely, effectively and efficiently, with options to regulate the power and duration of the wash as required.