

Ride-On Sweeping Machines



Zero Emissions | Low Noise | Maximum Efficiency
Powered by Innovation. Designed for the Future.

GL-SHAKTI-009 Premium EV



620 Litres | 76.8V/300Ah Battery
| Imported Hydraulic Pump

COMING SOON

EV 150



150 Litres | 25.6V 400Ah Battery
| Imported Hydraulic Pump

TECHNICAL SPECIFICATIONS

	GL-SHAKTI-009 Premium EV	EV 150
DIMENSIONS AND WEIGHT		
Length without side broom	2650mm	1901mm
Width without side broom	1505mm	1251mm
Height upto canopy	1335mm	1310mm
Machine Weight	1800Kg	851Kg
DRIVING AND SWEEPING PERFORMANCE		
Sweeping width with one side broom	1520mm	1250mm
Theoretical sweeping performance	15200 M2/Hr @ 10 Km/Hr	12500 M2/Hr @ 10 Km/Hr
Gradability	18 %	22%
FILTER SYSTEM		
Blower motor vacuum pressure	20 mbar	3.73 mbar
MAIN BROOM		
Main broom length	1220mm	800mm
Side broom diameter	600mm	250mm
DIRT HOPPER		
Dust Load Capacity	620 litres	150 litres
Dump height	1560 mm	772mm
Electric components Details		
Battery	76.8V / 300Ah / 7.7 Kwh / >2000 @ 80% DOD @ 55°C / 280 Kg	25.6V / 400Ah / 10.24 Kwh / 3000 @ 80% DOD / 95% Efficiency
Battery charging	35A/-20°C to 90°C/76.8V	50A/5°C to 50°C/25.6V
Sweeper Speed	8 – 10 Km/Hr	5-7 km/hr

TRUCK MOUNTED Road Sweeper



Ride-On Sweeping Machine

Diesel Operated, Heavy Duty road sweeper

High efficiency & Performance in all conditions

6000 Litres | 105 HP Auxiliary Engine | Heavy duty Vacuum Sweeper



TECHNICAL SPECIFICATIONS

OVERALL SWEEPING WIDTH

With Dual Brooms : 3000 mm
With One Broom : 2650 mm
With Main Broom : 2200 mm
Suction Head

AUXILIARY ENGINE

Model : 4R1040TA
Induction System : Turbo
Combustion System : Direct Injection Diesel
Number Of Cylinders : 4
Displacement : 4160 cc
Power Rating : 105 HP @ 2200 RPM
Cooling System : Liquid Cooled
Starter : 12 volts, 2.8 kw
Alternator : 12 volts, 55 amp
Battery : 12 volts, 80 Ah
Oil Filter : Spin on
Air Cleaner : Dry Type
Safety Shutdown : Automatic

ELECTRICAL SYSTEM

Display : 3.5"
Outputs : Solidstate/ Relay
Protection : Fuse
Controls : 24 volts

DEBRIS HOPPER

Capacity : 6 Cubic Metres
Construction : Heavy gauge Mild Steel / Stainless Steel
Dumping : Hydraulic
Dumping Controls : In Cab
Dumping Height : 1250 mm
Dumping Tilt Angle : 51 degrees
Interior Finish : Natural Steel
Exterior Finish : Painted
Wander Hose/Nozzle : 200 mm x 4000 mm length

SUCTION FAN

Type : Centrifugal fan
Drive : 4 XPB Section V Belt
No. Of Blades : 10
Diameter : 810 mm
Mounting : 2 Sealed Bearing units
Construction : Welded Mild Steel / Stainless Steel Blades

SUCTION FAN CASING

Construction : Welded Mild Steel / Stainless Steel
Liner : Replaceable Rubber
Vacuum Enhancer : For Light/ Heavy Material

SWEEPING HEAD

Type : Dual Chamber Full Width Blast orifice
Operating Direction : Forward
Suspension : Adjustable Spring Balance
Full Width : 2200 mm
Suction Hose Diameter : 350 mm
Blast Hose Diameter : 350 mm
Hose Construction : Reinforced Moulded Rubber Mild Steel/Stainless Steel
Skids : Tungsten Carbide Inserts
Controls : Hydraulic Raise & Lower

HYDRAULIC SYSTEM

Type : Hydraulic Pump
Fluid Capacity : 70 Litres
Drive : Direct Drive
Filter : Cartridge type / 10 micron
Strainer : 80 mesh

DUST CONTROL

Water : 500 litres
Tank Construction : Welded Mild Steel / Stainless Steel
Fill Diameter : 50 mm (pipe) / 100 mm (Tank Opening)
Controls : Electric In Cab

GUTTER BROOM

Type : 4 Segment Steel Tined
Diameter : 650 MM
Drive : Hydraulic Motor
Speed : Variable Non Reversing
Tilt Adjustment : Electric In Cab

LIGHTS

Side Brush : 1 unit
Rear Door : 2 units
Aux Engine Bay : 1 unit

OVERALL DIMENSIONS

Height : 3090 mm
Width : 2400 mm
Length : 6100 mm

Management Office & Warehouse:

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Branch Office:

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Making World More Hygienic



Clean is on our mind



Application Areas



Cement Industry



Highways



Government Projects



Airports



Ports



Pharmaceutical Industry



Chemical Industry



Mining Industry



Gated Societies

And many more.....

Our Product Range



Ride-On Sweeping Machines

- Diesel Operated, Heavy Duty road sweeper
- High efficiency & Performance in all conditions

GL-SHAKTI-009 Premium



620 Litres | 35 HP Mitsubishi Engine
| Imported Hydraulic Pump

GL-SHAKTI-009 Champion



600 Litres | 35 HP Mitsubishi Engine
| Imported Hydraulic Pump

TECHNICAL SPECIFICATIONS	GL-SHAKTI-009 Premium	GL-SHAKTI-009 Champion
DIMENSIONS AND WEIGHT		
Length without side broom	2560 mm	2560 mm
Width without side broom	1630 mm	1630 mm
Height upto canopy	2110 mm	2010 mm
Machine Weight	1820 kg	1660 Kg.
DRIVING AND SWEEPING PERFORMANCE		
Sweeping width with one side broom	1523 mm	1523 mm
Theoretical sweeping performance	184000 sq.ft./hr.	184000 sq.ft./hr.
Gradability	18 %	18 %
FILTER SYSTEM		
Filter area	9 m ²	9 m ²
MAIN BROOM		
Main broom length	1219 mm	1219 mm
Side broom diameter	558 mm	558 mm
DIRT HOPPER		
Dust Load Capacity	620 litres	600 litres
Dump height	1560 mm	1560 mm
POWERTRAIN		
Type	Mitsubishi, 4 Cylinder, water cooled, 35 horse power	Mitsubishi, 4 Cylinder, water cooled, 35 horse power
Engine Power Output	28.8 kw@3000 RPM	28.8 kw@3000 RPM
Operating System	Hydraulic	Hydraulic

GL-SHAKTI-009 Premium Plus



Ride-On Sweeping Machine

Diesel Operated, Heavy Duty road sweeper
High efficiency & Performance in all conditions
900 Litres | 59 HP Perkins Engine | Eaton Hydraulic Pump



TECHNICAL SPECIFICATIONS

DIMENSIONS AND WEIGHT	
Length without side broom	2689 mm
Width without side broom	1727 mm
Height upto canopy	2209 mm
Machine Weight	2075 kg
DRIVING AND SWEEPING PERFORMANCE	
Sweeping width with one side broom	1820 mm
Theoretical sweeping performance	217800 Sq Ft/Hr.
Gradability	18 %
FILTER SYSTEM	
Filter area	9 m ²
MAIN BROOM	
Main broom length	1422 mm
Side broom diameter	660 mm
DIRT HOPPER	
Dust Load Capacity	900 litres
Dump height	1560 mm
POWERTRAIN	
Type	Perkins, 4 Cylinder, 59 horse power
Operating System	Hydraulic
Engine Power Output	44.70 kW @ 2800 RPM

Tejas 300



Ride-On Sweeping Machine

Diesel Operated, Heavy Duty road sweeper
High efficiency & Performance in all conditions
300 Litres | 15.4 KW @3000 RPM | 952 cc



TECHNICAL SPECIFICATIONS

DIMENSIONS AND WEIGHT	
Length without side broom	2280mm
Width without side broom	1220 mm
Height upto canopy	1320 mm
Machine Weight	1124 kg
DRIVING AND SWEEPING PERFORMANCE	
Sweeping width with one side broom	1275 mm
Theoretical sweeping performance	12750 M2/Hr @ 10 Km/Hr
Gradability	18 %
FILTER SYSTEM	
Filter area	500*320*85 mm
MAIN BROOM	
Main broom length	925mm
Side broom diameter	600mm
DIRT HOPPER	
Dust Load Capacity	300 litres
Dump height	1550mm
POWERTRAIN	
Type	3 Cylinder, Water Cooled
Operating System	Hydraulic
Engine Power Output	15.4 KW @3000 RPM