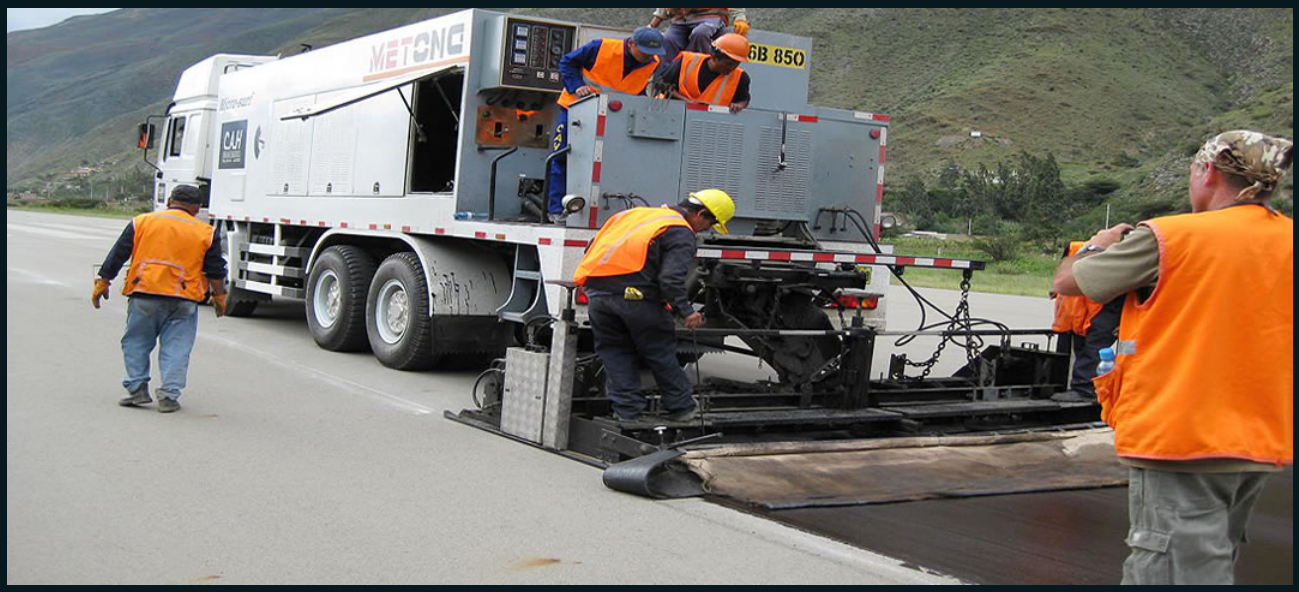
DATASHEET

Road Cleaning & Special Vehicles

Sweepers, brooms, bridge access



2000	7	100+	ISO 9001
MANUFACTURER SINCE	MODELS IN THIS FAMILY	EXPORT MARKETS	QUALITY SYSTEM

Zhejiang Metong Machinery · Hangzhou, China · market@metongmachinery.com

Overview

Cleaning is the step that decides whether a seal holds. Dust and milled fines stop binder from bonding, so sweepers are part of the construction spread, not facilities equipment. Metong offers dry vacuum units for cold-climate and milled-surface work, wet/dry machines for urban duty, and mechanical highway sweepers for high-speed carriageways.

Beyond cleaning, this family includes the specialised vehicles that only a few manufacturers build: under-bridge inspection platforms and truck-mounted brooms for municipal fleets.

Model overview

MODEL DESIGNATION	TYPE / MODEL NUMBER
Dry Vacuum Road Sweeper	LMT5160TSL
Wet & Dry Road Sweeper	configured per project
Mechanical Highway Sweeper	configured per project
Regenerative Air Sweeper	LMZ5183TSL
Tractor & Truck Broom	configured per project
Bridge Inspection Vehicle	configured per project
Heavy Bridge Inspection Vehicle	configured per project

Dry Vacuum Road Sweeper · LMT5160TSL

Waterless vacuum sweeper for milled surfaces and cold-climate road cleaning.

KEY DATA	VALUE
Hopper Capacity (m³)	8
Chassis Model	EQ1160GL6DJ
Rated Power / Speed (kW/rpm)	121 / 2800
Engine Model	Yuchai YCY30165-60
Seating Capacity	2

Specifications

SPECIFICATION	VALUE
Overall Dimensions (L×W×H) (mm)	7960×2450×3180
Hopper Capacity (m³)	8
Chassis Model	EQ1160GL6DJ
Chassis Manufacturer	DONGFENG
Drive Type / Cab	4×2, Cab-over Engine (COE)
Tire Specifications	9.00R20 16PR
Approach/Departure Angle (°)	17 / 8
Rated Power / Speed (kW/rpm)	121 / 2800
Fuel Type	Diesel

Engine Model	Yuchai YCY30165-60
Engine Type	In-line 4-cylinder, water-cooled, turbocharged intercooled
Seating Capacity	2
Max. Driving Speed (km/h)	88
Gross Vehicle Weight (GVW) (kg)	16000
Curb Weight (kg)	10320
Rated Payload (kg)	5550
Working Speed (km/h)	3–10
Max. Sweeping Width (m)	3.1
Suction Sweeping Width (m)	2.2
Drive System	Hydraulic
Max. Hydraulic Pressure (MPa)	15
Unloading Method	Auger & Lifting

Features

• High-power auxiliary engine The vacuum road sweeper uses a high-power Yuchai engine as the auxiliary power unit for dry sweeping and suction operations.

• Centrifugal fan suction system The centrifugal fan provides suction power for dry sweeping and dust collection.

• Top-mounted filter elements The filter elements are installed from top to bottom, making them easier to remove, clean, or replace. This design helps contain dust and reduce airborne dust during normal operation.

• Online pulse filter cleaning Equipped with an online pulse automatic cleaning function, allowing continuous sweeping until the hopper is full.

• Left and right extension brushes Extension brushes on both sides help clean curbs, road edges, raised edges, and other hard-to-reach areas.

• Steel-wire rear sweeping roller The rear sweeping roller uses a full steel-wire design to remove larger debris from the road surface.

Wet & Dry Road Sweeper

Combined wet and dry sweeping for urban roads, tunnels and industrial areas.

KEY DATA	VALUE
Hopper Capacity (m^3)	12
Chassis Model	DFH1180EX8
Rated Power / Speed (kW/rpm)	169 / 2300
Engine Model	Cummins B6.2NS6B230
Seating Capacity	3

Specifications

SPECIFICATION	VALUE
Overall Dimensions (L×W×H) (mm)	9110×2490×3530

Hopper Capacity (m³)	12
Chassis Model	DFH1180EX8
Chassis Manufacturer	DONGFENG
Drive Type / Cab	4×2, Cab-over Engine (COE)
Tire Specifications	10.00R20 18PR
Approach/Departure Angle (°)	17 / 8
Rated Power / Speed (kW/rpm)	169 / 2300
Fuel Type	Diesel
Engine Model	Cummins B6.2NS6B230
Engine Type	In-line 6-cylinder, water-cooled, turbocharged intercooled
Seating Capacity	3
Max. Driving Speed (km/h)	89, 98
Gross Vehicle Weight (GVW) (kg)	18000
Curb Weight (kg)	11960
Rated Payload (kg)	5845
Working Speed (km/h)	3–30
Max. Sweeping Width (m)	3.5
Suction Sweeping Width (m)	2.1
Drive System	Hydraulic
Max. Hydraulic Pressure (MPa)	16
Unloading Method	Lifting

Mechanical Highway Sweeper

Mechanical broom sweeper for high-speed carriageways and heavy debris.

KEY DATA	VALUE
Clean Water Tank Capacity (m³)	6
Hopper Capacity (m³)	6
Chassis Model	EQ1185LJ9CDE
Rated Power / Speed (kW/rpm)	154 / 2800
Engine Model	Cummins B6.2NS6B210

Specifications

SPECIFICATION	VALUE
Overall Dimensions (L×W×H) (mm)	8530×2450×3150
Clean Water Tank Capacity (m³)	6
Hopper Capacity (m³)	6
Chassis Model	EQ1185LJ9CDE
Chassis Manufacturer	DONGFENG
Drive Type / Cab	4×2, Cab-over Engine (COE)
Tire Specifications	10.00R20 18PR

Approach/Departure Angle (°)	17 / 8
Rated Power / Speed (kW/rpm)	154 / 2800
Fuel Type	Diesel
Engine Model	Cummins B6.2NS6B210
Engine Type	In-line 6-cylinder, water-cooled, turbocharged intercooled
Seating Capacity	3
Max. Driving Speed (km/h)	89
Gross Vehicle Weight (GVW) (kg)	18000
Curb Weight (kg)	10960
Rated Payload (kg)	6845
Working Speed (km/h)	20–60
Max. Sweeping Width (m)	3.5
Main Sweeping Width (m)	1.7
Unloading Method	Side Tipping / Lifting

Features

• 304 stainless steel water tank The water tank is welded from 304 stainless steel to improve corrosion resistance and extend service life.

• Balanced hopper layout The debris hopper layout helps balance chassis load distribution. Side-tipping discharge makes unloading more convenient while helping reduce stress on the chassis.

• Adjustable main broom speed Fitted with an adjustable main broom speed. When the broom wears over time, the operator can increase the speed to maintain cleaning performance during high-speed sweeping.

• Floating-mounted sweeping unit The sweeping unit uses a floating-mounted design without support wheels, helping reduce the support-wheel wear commonly seen in conventional mechanical sweeping structures.

• Front mounting bracket The front mounting bracket allows users to install a snow plow or snow brush for winter emergency snow removal. A W-type guardrail washing attachment and other tools can also be configured as options.

Regenerative Air Sweeper · LMZ5183TSL

Regenerative air sweeper that recycles the airstream for dust-free surface cleaning.

KEY DATA	VALUE
Model	LMZ5183TSL
Clean Water Tank Capacity (m³)	6
Hopper Capacity (m³)	12
Chassis Model	ZZ1187N501GF1
Rated Power / Speed (kW/rpm)	257 / 2200

Specifications

SPECIFICATION	VALUE

Model	LMZ5183TSL
Overall Dimensions (L×W×H) (mm)	10870×2496×3430
Clean Water Tank Capacity (m³)	6
Hopper Capacity (m³)	12
Chassis Model	ZZ1187N501GF1
Chassis Manufacturer	SINOTRUK HOWO
Drive Type / Cab	4×2, Cab-over Engine (COE)
Tire Specifications	10.00R20
Approach/Departure Angle (°)	9 / 8
Rated Power / Speed (kW/rpm)	257 / 2200
Fuel Type	Diesel
Fuel Tank Capacity (L)	200
Engine Model	SINOTRUK MC07H.35-60
Engine Type	In-line 6-cylinder, water-cooled, turbocharged intercooled
Seating Capacity	2
Max. Driving Speed (km/h)	89
Gross Vehicle Weight (GVW) (kg)	18000
Curb Weight (kg)	13290
Working Speed (km/h)	20–60
Max. Sweeping Width (m)	3.5
Suction Sweeping Width (m)	2.1
Unloading Method	Dual-cylinder Lifting

Features

• High-pressure water spray system The regenerative air sweeper is equipped with a high-pressure water spray system for dust control during sweeping. A high-pressure wash gun is also provided for convenient vehicle cleaning after operation.

• LED arrow warning lights LED arrow lights warn vehicles behind the sweeper, helping improve work-zone visibility and safety.

• Balanced chassis loading The chassis load is arranged for better weight distribution, helping protect the chassis during sweeping and maintenance operations.

• Corrosion-resistant water tank The water tank is welded from corrosion-resistant steel plate and treated with electrophoretic coating to improve corrosion resistance and extend service life.

• Front mounting bracket The front mounting bracket allows users to install a snow plow for winter emergency snow removal. A W-type guardrail washing attachment and other tools can also be configured as options.

Tractor & Truck Broom

PTO-driven rotary broom for truck mounting or tractor three-point linkage.

KEY DATA	VALUE
Cleaning Width · 1500mm	20kw

Specifications

SPECIFICATION	VALUE
Cleaning Width · 1500mm	20kw
Cleaning Set Dia. · 550mm	0-15km/h
Cleaning Set Rotating Speed · 280r/min	0.4m 3

Features

• of Pavement Cleaning Truck 1.Pavement Cleaning Truck can be utilized in various construction projects - new construction, maintenance and renovations alike

• It has collection tank that ensures a clear cut cleanup of field of operation with nothing left behind

• At the sides of Pavement Cleaning Truck are fitted with protection covers to resist rising dust entering main operational system. This ensures maximum security of the equipment itself as well as safe working environment promoting working efficiency and getting job done within time and budget

Bridge Inspection Vehicle

Truck-mounted under-bridge platform for structural inspection and maintenance access.

KEY DATA	VALUE
Width of platform	1080mm

Specifications

SPECIFICATION	VALUE
Max. horizontal range	22M
Max. lowering depth	7850mm
Width of platform	1080mm
Space required on bridge	2800mm
Max. load on platform	800KG
Max. load on telescopic platform	400KG
Max. overbridging of sidewalk	3500mm Option:3800mm
Max. crossing of sound barrier	3500mm Option : 4200mm / 5100mm
Rotation of platform	180°
G.V.W	37500KG
Overall dimensions	12595(L)×2500(W)×4000 (H)mm

Heavy Bridge Inspection Vehicle

Long-reach under-bridge access vehicle for large-span structures.

Specifications

SPECIFICATION	VALUE

Max. horizontal range	16.4M
Max. lowering depth	23.3M
Space required on bridge	2900mm
Max. overbridging of sidewalk	4500mm
Max. crossing of sound barrier	3250mm
The first scope of rotation	0■90°
The second scope of rotation	0■180°
Max. working height	13M
Max. load on platform	300KG
G.V.W	25000KG
Overall dimension	11250(L)×2500(W)×3930(H)mm