

MT4H Odra Mechanical High Dump Road Sweeper



Contact us for more information or
to arrange a demonstration.

1 (844) 888-6372 | www.odrasweeper.com | info@odrasweeper.com



ODRA MT4H ROAD SWEEPER

SPECIFICATIONS

General Specifications

Sweep path: Main broom only: 58" (1,473 mm)
Main broom and 2 side brooms: 114" (2,896 mm)

Chassis Specifications

Chassis: Commercial Class 5
No CDL required
Ford F-550 gasoline engine 19,000 lb GVWR
Wheelbase: 145" (3,683 mm)
Turning radius: 21 ft (6,400.8 mm)
Rear axle air suspension
7.3 L Ford gasoline engine
Power: 350 hp @3,900 RPM
Torque: 468 lb ft @3,900 RPM
Contact us for detailed chassis specifications

Sweeper Engine

Make: Kubota V2403-CR-TE4B 65hp, Tier 4F
Type: 4 cylinder Turbocharged Diesel
Displacement: 2.434 L
Horsepower: 65.1 @ 2700 RPM
Torque: 146.4 lb ft (198.5 Nm)

Main Broom

Type: Prefab disposable polypropylene filled
Diameter: 36" (914 mm)
Length: 58" (1,473 mm)
Core type disposable steel tube
Drive: Hydraulic motor with direct drive
Digging pressure & wear control adjustable spring
Lift control: Hydraulic
Mounting: Full-floating trailing arm
Greaseless composite bushings, chrome pins

Side Broom

Type: Disposable 4 or 5 segment
Trailing arm design
Diameter:
- 36" (914 mm) street side
- 42" (1,067 mm) curbside
Drive: Full hydraulic
Inside cab hydraulic down pressure control
Inside cab broom tilt adjustment
Lift: Hydraulic
Free-floating and full side-ways oscillation
Greaseless composite bushings, chrome pins

Hopper

Volumetric Capacity: 4 yd³ (3.02 m³)
Usable Capacity: 3.2 yd³ (2.50 m³)
Inside cab hopper lift and dump controls
Inspection door
Minimum dump height: 18" (457 mm)
Maximum dump height: 105" (2,667 mm)
Maximum hopper dump angle: 50°
Lift capacity: 9,400 lb (4,264 kg)
Lifting mechanism: Single, multistage hydraulic cylinder, cradle mounted
Greaseless composite bushings, chrome pins

Elevator

Squeegee style with rubber edging
Elevator floor: Bolt-in two-section
Hardox® abrasion resistant steel plates
Direct drive hydraulic motor
Hardened steel elevator chain with polyurethane sprockets
Greaseless composite bushings, chrome pins

Instrumentation/Controls

Warning lamps and buzzer:
- Conveyor stall
Warning lamps:
- Hopper position
- Low water tank level
Auxiliary engine shutdown warning:
- Low hydraulic oil level
- High hydraulic oil temp
- Low engine oil pressure
- High engine water temp

Water Spray System

Tank construction: Polyethylene
Tank capacity: 220 gal (833 L)
Pump: Electric diaphragm
Spray nozzles:
- 4 across main broom
- 3 over each gutter broom
- 5 across front bumper
Controls: Inside cab pump control

Electrical System (Sweeper & Chassis)

12 Volt Negative Ground System
397 amp alternator on chassis
40 amp alternator on auxiliary engine
Battery: 2 - 750 amp 1,500 CCA total
Utilizes standard automotive type fuses
Braided electric harness identified color-coded, stamped with weatherproof connectors Amphenol® and Deutsch®
Central wiring and relays in NEMA3 rated enclosure

Hydraulic System

Variable displacement, load sensing, Danfoss® piston type pump
Danfoss® PVG-32 9-sections with manual override hydraulic valves
Capacity: 32 GPM @ 2700 RPM
All fittings: 37° JIC
Reservoir Capacity: 30 gal (113.5 L)
Return line filter: 10 micron in tank
Filter Restriction Gauge
Breather: 10 micron
Externally mounted SPAL® brush less electric hydraulic oil cooling fan

Available Enhancements

Strip Broom
Additional Rear LED Strobe
Rear LED Light Bar
Front LED Strobe
LH Gutter Broom Camera
Interior Hopper Camera
Elevator Flush



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