



## MT4H® ROAD SWEEPER SPECIFICATIONS

### General Specifications

#### Sweep path:

Main broom only: 58" (1,473 mm)

Main broom and two side brooms: 114" (2,896 mm)

### Chassis Specifications

#### Chassis:

Commercial Class 5

#### Make:

Isuzu NRR 19,500 lb GVWR

#### CDL:

Not Required

#### Engine:

Isuzu 4HK1-TC, 5.19 L displacement

#### Power:

215 hp @ 2,500 rpm

#### Torque:

452 lb-ft @ 1,850 rpm

#### Brakes:

Hydraulic

#### Wheelbase:

109" (2,769 mm)

#### Turning radius:

16.4 ft (5,000 mm)

#### Suspension:

Front leaf spring / Rear air suspension

Contact us for detailed chassis specifications.

### Paint

#### Body:

High-gloss white

#### Undercarriage:

Black

Contact us for custom colors.

### Available Enhancements

- Interior hopper camera
- Front and rear curbside LED strobes
- Rear LED light bar or arrow board
- Street-side side broom camera
- Strip broom
- Conveyor washdown
- Stainless steel hopper
- Dual steer
- Drag shoe pivot arms



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# Equipment Specifications

## Main broom:

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

## Side broom:

Type: Disposable 4 and 5 segments  
Mounting: Trailing arm design  
Diameter:  
- 40" (1,016 mm) street-side  
- 42" (1,067 mm) curbside  
Drive and lift: Hydraulic  
Speed control: Hydraulically adjustable  
Down pressure control: Inside cab  
Tilt control: Inside cab  
Flexibility: Free-floating and full sideways oscillation  
Lubrication: Greaseless composite bushings with chrome pins

## Sweeper Engine:

Make: Kubota V2403, Tier 4 Final  
Type: 4 cylinder, turbocharged diesel

Displacement: 2.4 L

Power: 64.2 hp @ 2,700 rpm  
Torque: 144.3 lb-ft @ 1,600 rpm  
Alternator: 60 amp

## Hopper:

Volumetric capacity: 4 yd<sup>3</sup> (3 m<sup>3</sup>)  
Usable capacity: 3.2 yd<sup>3</sup> (2.4 m<sup>3</sup>)  
Lift and dump control: Inside cab  
Dump direction: Street-side or curbside  
Inspection door: Curbside  
Minimum dump height: 18" (457 mm)  
Maximum dump height: 120" (3,048 mm)  
Maximum hopper door angle: 50°  
Lift capacity: 11,400 lb (5,171 kg)  
Lifting mechanism: Single, cradle mounted, multistage hydraulic cylinder  
Lubrication: Greaseless composite bushings with chrome pins

## Conveyor:

Type: Squeegee style with replaceable rubber edging  
Conveyor floor: Bolt-in two-section Hardox® abrasion resistant steel plates  
Drive: Direct drive hydraulic motor  
Speed control: Hydraulically adjustable  
Components: Hardened steel conveyor chain with rubber sprockets

# Systems Specifications

## Electrical System (Sweeper and Chassis):

Type: 12 volt negative ground system  
Alternator: 140 amp (chassis)  
Battery: Two 750 amp (1,500 CCA total)  
Fuses: Standard automotive fuses  
Wiring: Braided electric harness (identified color-coded, stamped with Amphenol® and Deutsch® connectors)  
Electric enclosure: NEMA3 rated (housing central wiring and relays)

## Water Spray System:

Tank construction: Polyethylene  
Tank capacity: 220 gal (833 L)  
Pump: Electric diaphragm  
Spray nozzles:  
- 4 across main broom  
- 3 in front of each side broom  
- 5 across front bumper  
Pump control: Inside cab  
Flow control: Inside cab (adjustable for each spray location)  
Compliance: PM10 (Rule 1186 certified)

## Camera System:

Camera type: Waterproof, vibration resistant, infrared/LED  
Locations: Curbside and rear  
Monitor: 7" color LCD display

## Hydraulic System:

Pump type: Danfoss® variable displacement, load sensing, axial piston pump  
Valves: Danfoss PVG-32 9-sections with manual override  
Capacity: 32 GPM  
Fittings: 37° JIC  
Reservoir capacity: 30 gal (113.6 L)  
Return line filter: 10 micron in tank  
Filter restriction gauge: Inside return line filter  
Breather: 3 micron  
Cooler: Externally mounted SPAL® brushless electric cooling fan

## Instrumentation/Controls:

Warning lamps and buzzer:  
- Conveyor stall  
Warning lamps:  
- Hopper position  
- Low hydraulic oil level  
Sweeper engine shutdown warning:  
- Low hydraulic oil level  
- High hydraulic oil temperature  
- Low engine oil pressure  
- High engine coolant temperature

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