



# MT4H<sup>®</sup> ROAD SWEEPER SPECIFICATIONS

Alternate chassis: Ford F-550

## 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

Power:  
335 HP @ 3,750 rpm

Turning radius:  
21.25 ft (6,477 mm)

Make:  
Ford F-550 19,000 lb GVWR

Torque:  
468 lb-ft @ 3,750 rpm

Suspension:  
Front coil spring / Rear air suspension

CDL:  
Not Required

Brakes:  
Hydraulic

Contact us for detailed chassis specifications.

Engine:  
Ford PFI Gas V8, 7.3L displacement

Wheelbase:  
145" (3,683 mm)

## Paint

Body:  
High-gloss white

Undercarriage:  
Black

Contact us for custom colors.

## Available Enhancements

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



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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: 105" (2,667 mm)  
Maximum hopper door angle: 50°  
Lift capacity: 11,400 lbs (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 elevator chain with rubber sprockets

## Systems Specifications

### Electrical System (Sweeper and Chassis):

Type: 12 volt negative ground system  
Alternator: 410 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 gutter broom  
- 5 across front bumper  
Pump control: Inside cab  
Flow control: At each spray location  
Compliance: PM10 (Rule 1186 certified)

### Camera System:

Cameras: 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: 31 gal (117 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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