



# M4 Cascade™

4 Cubic Yard Mechanical Broom Sweeper



\*Sweeper shown with optional equipment

## THE CONTRACTORS CHOICE



**BULKY DEBRIS REMOVAL AND  
CONSTRUCTION SITE CLEANUP**



**LOW AND HIGH DUMP  
CAPABILITY**



**HIGHLY MANEUVERABLE FOR  
SWEEPING CONGESTED AREAS**



**NON-CDL TO ELIMINATE  
STRENUOUS SKILLS EXAMS**

Your Schwarze Dealer.

Street sweeping has been recognized as a best management practice (BMP) for reducing pollutants in storm water runoff. The operation of street sweeping not only improves the roadway's appearance, but also improves safety, potential air quality and helps save our streams and rivers from contaminants.



# M4 CASCADE

## GENERAL

Wheelbase	109 in (2,769 mm)
Travel width	96 in (2,438 mm)
Sweeping width	120 in (3,048 mm) (brooms extended)
Overall height	102 in (2,591 mm)
GVWR	19,500 lbs (8,845 kgs)

## CHASSIS

Model / type	4HK1-TC / 4 cycle
Manufacturer	Isuzu
Number of Cylinders	4
Displacement	317 cu in (5.26 L)
Horsepower	215 @ 2500 rpm
Torque	452 lb-ft @ 1800 rpm
Fuel	Diesel
Air filter	Dry type; heavy duty
Standard GVWR	14,500 lb (6,577 kg)
Optional GVWR	17,950 lb (8,142 kg)
Transmission	A465; 6 speed automatic
Tires	(6) Tubeless steel-belted radials 225/70 R 19.5
Wheels	Steel construction
Steering	Integral power;
Brake	Vacuum/hydraulics with ABS

## SWEEPER ENGINE

Type	TCD2.2 Diesel Tier 4F
Manufacturer	Deutz
Displacement	134.25 cu in (2.2 L)
Brake horsepower	74 @ 2,600 rpm
Cooling system	Liquid-cooled

## ELECTRICAL SYSTEM

Voltage	12 V
Alternator	140 amp

## MAIN BROOM

Diameter	36 in (914 mm)
Length	58 in (1,473 mm)
Bristles	Replaceable solid core, poly wafer, poly wafer/steel combo or strip broom
Lift control	In-cab pneumatic lift with positive lock
Drive	Direct drive hydraulic motor
Speed	Forward and reverse, in-cab variable speed standard, independent from engine rpm
Bearings	Self-aligning
Dirt shoes	Trailing arm design with flexible, easily replaceable, strip bushes. Tungsten carbide shoes optional
Suspension	Air suspension with in-cab adjustment and display

## GUTTER BROOMS

Location	Behind cab
Diameter	42 in (1,067 mm)
Type	5 segment wire filled plastic recyclable head
Speed	in-cab variable speed standard, independent from engine rpm
Suspension	Free-floating with spring suspension and extension
Drive	Full hydraulic
Adjustments	Manual tilt; in-cab actuator
Bristles	26 in (660 mm) wire
Center deflector	Raises and lowers automatically with main broom

## CONVEYER

Bearings	Self-aligning, triple-sealed and shielded
Conveyer floor	Bolt-on; replaceable
Speed	Forward and reverse, in-cab variable speed standard, independent from engine rpm
Adjustment	Threaded rack
Drive	Direct drive hydraulic; forward and reverse
Hopper connection	Positive seal to eliminate debris spillage
Suspension	Air cylinders with in-cab adjustment for lower conveyer lift
Conveyer	Squeegee with replaceable flights
Conveyer chain	Precision, heavy duty, constant-radius roller chain
Flexibility	Flexes for large object passage
Cleaning	Built-in flushing system with high volume fan jet nozzles
Conveyer jam warning	Console-mounted, light and alarm

## HYDRAULIC SYSTEM

Pump	Variable displacement load sense piston pump
Reservoir	35 gal (133 L) mounted above pump
Oil cooler	120,000 btu twin electric fans
Valves	Electro-mechanical; 12 V dc with lighted din connectors
Protection	Pressure relief
Controls	In-cab; all electric
Filtration	100-mesh suction, 10-micron return, 5-micron breather

## WATER SYSTEM

Capacity of tank	220 gal (833 L)
Construction	Polyethylene
Filler	4 in (102 mm) air gap fill; tubular protected fill receptacle
Fill	Hose 25ft with 2.5 in NST hydrant coupling (7,620 mm x 63.5 mm)
Mounting	Bolt-on, removable
Pump	Electric diaphragm pump, 5.88 gpm (22.3 Lpm) at 50 psi (3.5 bar)
Spray bars	In-cab, independent control; 7 nozzles located across front bumper, 4 nozzles at each gutter broom and 5 nozzles across the main broom
Spray nozzles	All brass 80 degree fan pattern with 100 mesh tip strainer
Filter	200 mesh screen primary with 5 micron high capacity secondary filter

## DEBRIS HOPPER

Volumetric capacity	4.0 cu yds (3.06 cu m)
Construction	Stainless steel
Gross lift capacity	9,500 lbs (4,309 kg)
Dumping	Scissor-lift with hopper tilt
Dump height	(Variable) 5 in (127 mm) to 120 in (3,048 mm)
Inspection	Large side door

## PAINT

One coat of sealer/primer and two coats of DuPont Imron Elite polyurethane white color

*Note: Specifications are subject to change without notice.*

Affiliates:



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