

BUCHER
municipal

MaxPowa **E35m**

Mechanical truck mounted sweeper





Extraordinary performance and results from our mechanical sweeper

The Bucher MaxPowa E35m is built as the bulldozer of street sweepers, strong, simple, and reliable with high productivity.

The E35m's elegance is in its simplicity. Engineered for easy maintenance and fuel efficiency, that's the single-engine advantage.

The mechanical sweeping methodology of the MaxPowa E35m is equally at home with Public Works applications and municipal work. The mechanical sweeping method is ideally suited to clearing bulky and large volumes of material at fast forward sweeps maximizing productivity and enabling large areas of surface to be swept in a short period of time.



Designed for **reliability** and simplicity

The core product values of the Bucher MaxPowa E35m are to provide a simple and robust product which enables contractors and municipalities to achieve the highest levels of cleaning performance while minimizing the total cost of operation.

Single engine solution

Power to drive the MaxPower E35m sweeper systems comes from the chassis engine through a Bucher optimized hydraulic system with the main pump driven by the chassis PTO. This tried and tested solution provides performance, simplicity and fuel economy to the operator.

Stainless steel hopper

Designed to last the hopper on the E35m is constructed entirely of grade 1.4003. Our sweepers provide 250-times better corrosion resistance than mild steel. We are also the only manufacturer in the industry to offer a lifetime warranty on our hopper bodies.

Hardwired control system

The control system on the MaxPowa E35m is hardwired with logic control through solid state electrical components eliminating any requirement for computers or CAN bus communication. This results in a robust and easy to diagnose machine with simple switch controls and warning indicators.

Conveyor

Situated at the rear of the machine the conveyor elevates all the debris collected from the swept surface by the broom into the hopper. The conveyor on the MaxPowa E35m machine is a 12 flight squeegee type elevator

Scissor lift

The strong and stable scissor lift with its powerful hydraulic cylinders provides fast dump cycle time to ensure as an operator you can spend more time sweeping and maximize productivity. The single button raise control makes it simple for the operator to raise the hopper. Lift capacity is class leading to ensure all operational scenarios are accounted for.



In cab controls

A simple and intuitive in cab mounted center console provides all the necessary controls and information to enable the operator to control the machine functionality. Hard wired system control removes any software diagnostic requirements and provides for a robust solution which is maintenance free.

Systems control

All sweeper hydraulics are centrally located in a dedicated systems control locker for easy access. Light emitting diodes and manual override are fitted to each hydraulic solenoid valve to signal function and enable easy diagnostics and maintenance.

Direct drive brush

A powerful and robust hydraulic motor provides direct drive to the rear broom spindle to give simple and efficient brush rotation. Fixed broom speed matched to the elevator speed ensures material is evenly transferred to the hopper.

Stainless hopper

The hopper is constructed from 1.4003 stainless steel which provides corrosion resistance, durability and long life.

Providing **performance** and productivity

The Bucher MaxPowa E35m is equipped with customer inspired features to maximize the productivity and performance of the E35m

Gutter Brooms

The Bucher MaxPowa E35m is equipped with dual gutter brooms as standard, one on each side of the machine. Each gutter broom is 44" diameter and with a maximum swept width of 12' large areas of surface can be covered quickly and efficiently by the machine. Powerful hydraulic motors provide the direct drive to the brooms and optional rotatilt and powerthrust increase the cleaning performance of the brooms.

Main Broom

The Bucher MaxPowa E35m is equipped with aggressive 34 x 58 inch polypropylene tube main broom. Hydraulically driven and attached to two fully floating trailing arms to allow for changing road surfaces.

Hydraulic System

The machine performance is provided by a hydraulic pump driven from the chassis PTO. Through optimized design the hydraulic power is distributed to the various machine functions through a series of valves. Losses are minimized to ensure the broom and elevator performance provides the operator with a productive sweeping action. A central control systems locker provides easy access to all the hydraulic valves for diagnostics and maintenance.

Advantages



Single engine drive reduces the maintenance schedule and minimizes machine downtime in turn reducing servicing costs and total cost of ownership of the machine.



All stainless steel hopper provides long life and durability and carries lifetime warranty against corrosion and wear.



12,000 lb scissor capacity will lift hopper to class leading 12' 6" for discharge into tipper truck or skip. The optional Ultra High Dump increases the height to 14' 2" above ground level.



Load sensing hydraulics adapt the flow and power to maximize the sweeping performance and minimize the machine fuel usage.



T-Plate dirt shoes

As standard the MaxPowa E35m is equipped with steel T Plate dirt shoes to ensure material within the broom path is swept into the elevator.



Strip-Brush dirt shoes

The optional dirt shoes with a nylon bristle construction provide a maintenance free solution robust against the arduous operational conditions.



Gutterbrooms

Twin gutterbrooms as standard give 120" swept width path and optional override increases this to 144" swept width. Rotatilt option enables dynamic tilting of the brush head for high performance cleaning and adjustment to suit road camber.



High tip hopper

The standard high dump hopper provides class leading load-over height ensuring material can be deposited into the highest of containers. An ultra high tip is also an option giving an extra 20" of height.



Dust suppression

With 360 gallon water capacity stored in a baffled polyethylene tank the water system provides long on station time. A hydraulically driven water pump provides a robust solution which is safe to run dry without damage.



Chain drive elevator

The 12 flight squeegee type conveyor is chain driven, travelling on polyurethane sprockets provides a robust and reliable solution to transferring material into the hopper.

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At Bucher Municipal, we innovate and engineer better cleaning and clearing solutions, helping our customers grow and maintain efficient and profitable businesses. Leveraging the over 200-year-old heritage of Bucher, we are committed to helping you achieve more using less. Taking pride in being seen as a reliable partner, we work locally with you in realizing the possibilities for a smarter, cleaner and more efficient tomorrow. Today. Bucher Municipal is your source for Endless Sweeping Solutions™



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The 5 Things
You **Must** Know
Before Buying a
Street Sweeper

- Bucher Municipal locations
- Distribution Partners

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