

Basic configuration

- **Machine casing** stable and rigid construction (side panels are made from 8 mm steel plate)
- **Working widths** 2050 mm, 2300 mm, 2600 mm and 2850 mm (size over 2300 mm is made with 2 Gerotormotors)
- **Main brush** Ø 660 mm spiral form serial steel/PPN, gives you aggressive cleaning and longer life. Either PPN (polypropylene) or special brush for **snow** infinitely adjustable with the adjustment wheel
- **Hydraulic drive** powerful Gerotormotor (industrial quality) integrated into the cleaning brush. Large cross section of hydraulic oil pipes and hoses.
Integrated function hydraulic module contains the following functions: pressure release valve, run on safety valve, flow switching valve for collector, connection for side brush. - service free -
- **Hydraulic connector** SVK size 3
- **Hydraulic opening waste collection container** with a large volume and a **support wheel** Ø 250 x 80 mm (railsafe) for optimal ground contour following. The dual system means you only have to raise the collector to free sweep.
- **Super-Elastic wheels** Ø 250 x 80 mm (railsafe) with vulcanized elastic rubber, dust-proof, greasable roller bearings, reinforced forks and double-hardened rim bearings
- **Swivelling** mechanically
- **Parking supports** (sides) with quick locking
- **Loading loops** with large openings
- **Series paint finish** orange RAL 2011
- **CE certification** and operating manual

Optional extra equipment

- **Wheel loader attachment** quick change adaptor with roller levelling - service free -
- **Forklift attachment** with roller levelling and quick clamps - service free -
- **Tractor front linkage attachment** including roll level adjustment; Euro-normed quick action attachment or three-point attachment for older front loaders - service free -
- **Tractor mounted front power lifter** with oscillation power compensation, three-point attachment or collection in quick action triangle mode - service free -
- **Tractor rear** with auto level, including three-point mount
- **Unimog-Truck lift attachment** for universal winter service plate with wheel controlled vertical lifting and wheel levelling (in upper position self arresting). The hydraulic cylinder is mounted suspended cardanially and free floating
- **Hydraulic swivelling** (double hydraulic circuit is necessary)
- **Water spray system** (The fine water spray system sprays directly into the brush which increases the effectiveness and uses considerably less water). 240 ltr. water tank with internal filter and electric pressure pump (12/24 volt), spray pipe with flat spray jets. All water related parts are made from synthetic material to avoid corrosion.
- **Hydraulic rotary side brush** Ø600 mm (may be raised and returns automatically to machine centre point), automatic side and height adaption, incl. stop valve - switchable - Either PPN (polypropylene), steel/PPN or flat steel wire set
- **Water spray system for rotary side brush** with flat spray jet, incl. stop valve - switchable -
- **Mechanical drive** incl. drive shaft
- **Flow regulation valve** for carrying vehicles with an hydraulic output of more than 80 ltr./min.
- **Lighting system** (necessary if used on public roads)
- **Flag holder and warning marks**
- **Special paint finish**
- **Special construction** on request

Technical data

Machine type	bema 35 Dual 2050	bema 35 Dual 2300	bema 35 Dual 2600	bema 35 Dual 2850
Hydraulic drive	1 Gerotormotor (industrial quality)		2 Gerotormotor (industrial quality)	
max. operating pressure	180 bar			
min. fluid throughput	40 ltr./min		80 ltr./min	
Working width	2050 mm	2300 mm	2600 mm	2850 mm
Collector capacity	approx. 390 ltr.	approx. 440 ltr.	approx. 490 ltr.	approx. 540 ltr.
Machine weight without extras	approx. 670 kg	approx. 695 kg	approx. 725 kg	approx. 750 kg
Main brush	Spiral set brush 660 mm PPN (polypropylene) or steel/PPN			
Brush revolutions	recommended 100 rpm – max. 150 rpm			
Rotary side brush	600 mm, hydraulically powered (oil flow in series with the main brush)			
Side brush type	PPN (polypropylene), steel/PPN or flat steel wire set			
Water spray system	240 ltr. water tank, tank filter and 12/24 Volt pump			

bema reserve the right to change the technical data at any time.

Your bema Partner:



Our company is certified
DIN EN ISO 9001:2000



bema GmbH
Maschinenfabrik

www.kehrmaschine.de

We do not accept liability for printing errors!

bema Sweepers



Dual System

robust, reliable

technically cost effective and advanced

versatile in application

free sweeping and dirt collection all in one machine



bema

35 Dual

Cleaning brush Ø 660 mm

Attaches to:

- Wheel loader
- Unimog-Truck
- Forklifts
- Tractors
- Special vehicles



"A clean product line"

www.kehrmaschine.de

Where cleanliness is required,
we are the partner for you!

Everything is possible:



Forklift mounting



Wheel loader mounting

and

and



Unimog-Truck lift attachment

Easy handling and
numerous possibilities of application
will convince you in any situation

and ...



Tractor rear mounting



Tractor front loader mounting

bema 35
Dual

"For when the
going gets tough"



By choosing the bema 35 Dual, you receive a multi-tasking machine.

With the Dual System the bema 35 Dual can be used to collect dirt or free-moving sweeps. During free-moving sweep action, the waste collection container is lifted hydraulically and locked mechanically.

It only takes a double-acting control circuit to operate hydraulic components units such as the main rotation brush, side brushes and opening of the waste collection container.

The powerful bema 35 Dual easily cleans construction sites, roads and industrial areas. Fine or major dirt particles - bema Dual removes any kind of dirt quickly and efficiently to your entire satisfaction.



- Individually adjustable roller brush pressure by stepless adjustment of the roller brush by handwheel
- Control of the roller brush setting on a scale
- Minimum dust when sweeping, the spray system sprays directly into the brush using the min. amount of water
- Check of optimal setting for the waste collection container: indicator in the yellow area: everything ok!



- To protect the Gerotormotor it is integrated into the cleaning brush
- Parking supports (sides) with quick locking



- All units needed are contained within the specially-designed control block: Pressure release valve, run on safety valve, flow switching valve for collector, connection for side brush



- Effective cleaning of gutters and corners is achieved with the hydraulic side brush(es), folds up and if knocked swings towards machine center, protection from damage
- Switchable water spray system for side brush
- Waste collection container with support wheel for optimal adjustment to the ground