



## bema Kommunal 450 Dual

### ULTRALIGHT & COMPACT DESIGN

Main brush Ø 450 mm with different brush trims

The sweeper bema Kommunal 450 Dual is attached very close to smaller municipal vehicles, compact tractors, yard loaders and front mowers. Despite its light weight, the bema Kommunal 450 Dual is extremely robust and provides convincing performance with optimum sweeping results, even in winter service.








### FEATURES

- ✓ **Adapted for municipal requirements:**  
The compact attachment ensures optimal weight distribution close to the axis. The low mounting height guarantees a good view from the carrier vehicle. All mountings with 3D compensation.
- ✓ **Multiply deployable and optimal power transmission:**  
Either hydraulic drive via a powerful Gerotormotor or mechanical drive via a drive shaft.  
The incline of the drive can be adjusted, so that the position exactly matches to the carrier vehicle.
- ✓ **Maintenance-friendly in year-round use:**  
Wearing parts and the main brush can be quickly replaced.  
The sweeper can be used all year round thanks to the various trims.
- ✓ **Maximum flexibility:**  
The collection container in Dual version enables easy switching between free sweeping and collecting dirt without changeover time.  
The sweeper swivels mechanically or optionally hydraulically.

### CARRIER VEHICLES

-  Yard loader
-  Compact tractor front
-  Municipal vehicle
-  Front mower

### OPTIONAL EQUIPMENT

-  Water spray unit  
main brush, rotary side brushes
-  Rotary side brushes  
with bema SideControl (left and/or right)  
optional mechanical drive (right)
-  Hydraulic swivel device  
20° to the left/right
-  **Bio-Polymer** brush  
for main and rotary side brush  
compostable ISO 13432
-  bema WKB  
weed brush as main brush
-  bema PowerPack  
hydraulic power unit
-  bema Control  
from 3 functions available



bema Kommunal 450 Dual with protection cover (without collection container/free sweeping)



bema Kommunal 450 Dual with bema Weed brush



bema Kommunal 450 Dual with two rotary side brushes



bema Kommunal 450 Dual with water tank in the rear

## TECHNICAL DATA

Machine type	bema Kommunal 450 Dual		
Working width	1250 mm	1400 mm	1550 mm
Drive	Your choice: mechanical drive incl. drive shaft (the incline of the drive can be adjusted) or hydraulic drive via powerful Gerotormotor with drive shaft Ø 25 mm (heavy series)		
Minimum hydraulic power of the carrier vehicle	15 l/min		20 l/min
Minimum engine power of the carrier vehicle	Compact tractors with more than approx. 15 PS		
Weight basic machine (approx.)	118 kg	123 kg	127 kg
Volume / weight (approx.) collection container Dual	84 l / 38 kg	94 l / 42 kg	104 l / 47 kg
Main brush Ø 450 mm	<b>Selectable brushes: Bio-Polymer</b> (compostable, spiral trim), universal brush (PPN spiral segments, also for use in snow), steel flat wire/PPN (spiral trim), bema WKB (weed brush, Ø 400 mm, with reinforced drive). Easy changing of the main brush		
Brush speed	Recommended 150 to max. 250 rpm		
Wheels	Heavy-duty wheels Ø 160 x 50 mm (industrial quality)		
Rotary side brushes Ø 480 mm (optional equipment)	Hydraulic drive including bema SideControl (comfort operation, combines 3-way valve and speed controller). Rotary side brushes are available for the right and/or left side. Optional mechanical drive for rotroy side brush right. <b>Selectable brushes: Bio-Polymer</b> (compostable), PPN, teel flat wire/PPN, teel flat wire, weed trim		
Water spray unit (optional equipment)	240 litres water tank as rear attachment, tank filter and 12 volts pressure pump (direct injection of water into the main brush and rotary side brushes)		
Further attachments and equipment, as well as special constructions on request. Technical data and weight measurements are approximate and non-binding. Weight measurements without special equipment and attachment. Misprints, errors and technical changes are reserved. © bema GmbH Maschinenfabrik (1st print run 2025)			

## FEATURES IN DETAIL



Mechanical drive



Rotary side brush with bema SideControl and water spray unit



bema PowerPack with oil cooler and water tank in the rear