



Silbermedaille
2019



bema Suction sweeper

AN OUTSTANDING SOLUTION

Much more than just removing leaves

At the demopark 2019 fair, the bema Suction sweeper that forms the heart of the bema Suction sweeping system was awarded with the silver medal as a technical innovation. In combination with the bema chaff blower, the new bema tipping container as well as in combination with existing third-party systems, a large variety of variants can be realized.

No matter whether leaves, green cuttings, party waste, straw, sawdust or other garbage, every combination provides convincing cleaning results.

FEATURES

- ✓ **Convincing cleaning results:**
The fully-fledged main brush Ø 200 mm ensures that firmly stuck leaves and dirt are loosened from the ground before being sucked up.
- ✓ **Variable in use:**
The bema Suction sweeper is available with or without chaff blower (front mounting), as well as a complete rear unit combined with chaff blower and the new bema tipping container.
- ✓ **Persuading performance on various surfaces:**
Guide wheels and the main brush are height-adjustable for optimum use on different grounds, e.g. sports fields, parks, water-bound paths, sealed surfaces.
- ✓ **New and innovative:**
The bema Suction sweeper was awarded with the silver medal as a technical innovation at demopark fair 2019.

CARRIER VEHICLES



Yard loader



Municipal vehicle



Compact tractor

OPTIONAL EQUIPMENT



Mechanical drive
main brush (not applicable with
mechanically driven chaff blower)



Rotary side brushes
with bema SideControl



bema Control
from 3 functions available



Chaff blower
hydraulically or mechanically driven



bema Suction sweeper as front mount with/without chaff blower in combination with an existing suction container or collection trailer in the rear (third-party systems)



Much more than just removing leaves like party waste



Green cuttings - no problem for the bema Suction sweeper



The bema Suction sweeper convinces on all surfaces like grass/artificial grass

TECHNICAL DATA

Machine type	bema Suction sweeper
Working width	1200 mm; with two rotary side brushes extendable to 1800 mm
Drive of main brush	Hydraulic via chain, powerful Gerotormotor with drive shaft \varnothing 25 mm, completely internal (heavy series, industrial quality). Optional mechanical drive of the main brush (not applicable with mechanically driven chaff blower)
Minimum hydraulic power of the carrier vehicle	20 l/min bema Suction sweeper without chaff blower, 30 l/min bema Suction sweeper with two rotary side brushes, 50 l/min bema Suction sweeper with chaff blower and rotary side brushes
Weight (approx.)	140 kg without chaff blower / 200 kg with chaff blower
Main brush \varnothing 200 mm	PPN, V-shaped arrangement, stepless adjustable
Brush speed	Recommended 100 to 150 rpm
Downholder roller \varnothing 140 mm	Pendulum suspension, enables trouble-free collection
Wheels	Heavy-duty rear wheels \varnothing 200 x 50 mm and front wheel \varnothing 250 x 50 mm (height-adjustable, railsafe). Optional Super-elastic rear wheels \varnothing 200 x 80 mm and front wheel \varnothing 250 x 80 mm
Rotary side brushes \varnothing 600 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. Selectable brushes: PPN, steel/PPN, steel flat wire/PPN, steel flat wire, weed trim
Chaff blower (optional equipment)	Turbine casing \varnothing 450 mm mountable on different positions, ejection nozzle and connecting hose \varnothing 200 mm including two hose clamps, speed of chaff blower 3500 rpm, optional with wearing steel plate, hydraulic drive using an orbital engine or optional mechanical drive incl. drive shaft (carrier vehicle: at least 22 KW/30 PS)
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. Mistakes and errors reserved. © bema GmbH Maschinenfabrik (2021.10)	

FEATURES IN DETAIL



bema Suction sweeper drive via front power take-off (optionally available)



Trouble-free feed by pendulum mounted downholder roller (feed roller)



bema SideControl for rotary side brushes