



# WORLD'S FIRST

## bema Sweezy® 580 Dual E

### CLEAN & GREEN

Save energy and sweep four times longer

The bema Sweezy® 580 Dual E is the new electrically powered sweeper specially developed for electric carrier vehicles. The required electrical energy is supplied either directly via batteries or by the vehicle. Compared to a conventional sweeper, up to 72 % less energy is required. This allows the electric vehicle to run four times longer.

### FEATURES

#### ✓ WORLD'S FIRST INNOVATION - Made in Germany:

The bema Sweezy® 580 Dual E is the first sweeper with direct electric drive for the main brush and the rotary side brush.

(International property rights have been applied for)

#### ✓ CLEAN & GREEN - Forward-looking drive concept

**„Designed for E“:** Compared to a conventional sweeper, up to 72 % less operation power is required because an energy conversion is not necessary. This quadruples the running time of your electric carrier vehicle. Depending on the battery size and charging technology, almost uninterrupted operation is possible.

#### ✓ PLUG & SWEEP - No coupling of hydraulic lines:

Simple and convenient. The sweeper is attached to the carrier vehicle in no time and is ready for use immediately.

#### ✓ E-POWER - A worthwhile investment in the future:

Either self-sufficient operation with EGO Power electric motor with one or two powerful 56V ARC Lithium™ batteries or directly via the electric carrier vehicle using the integrated 48V DC socket.

Compared to a conventional drive, the additional costs are very low.

### CARRIER VEHICLES



Yard loader



Municipal vehicle



Compact tractor front



Front mower

### OPTIONAL EQUIPMENT



Water spray unit  
main brush, rotary side brush



**NEW:** Rotary side brush  
mechanical drive;  
optionally right or left



Hydraulic swivel device  
20° to the left/right



bema Control  
from 3 functions available



ELECTRIC drive



bema Sweezy® 580 Dual E with mechanically driven rotary side brush attached to an e-dumper



bema Sweezy® 580 Dual E attached to a compact tractor



bema Sweezy® 580 Dual E equipped with a mechanically driven rotary side brush and a water spray unit with 2 x 64 Liter water tanks



bema Sweezy® 580 Dual E with collection container in the proven Dual system, in this case free sweeping with an open collection container

## TECHNICAL DATA

Maschinene type	bema Sweezy® 580 Dual E				
<b>Working width</b>	<b>1250 mm</b>	<b>1400 mm</b>	<b>1550 mm</b>	<b>1700 mm</b>	<b>1850 mm</b>
<b>Drive</b>	Self-propelled via EGO Power electric motor with one or two powerful 56V ARC Lithium™ batteries (12Ah, 672Wh); optional power supply directly via the electric carrier vehicle using an integrated 48V DC socket (if this is possible via the carrier vehicle)				
<b>Weight basic machine</b> (approx.)	157 kg	162 kg	167 kg	172 kg	177 kg
<b>Weight E-motor/battery</b> (approx.)	30 kg total for EGO Power electric motor incl. 2 batteries				
<b>Volume / weight</b> (approx.) <b>collection container Dual</b>	148 l / 66 kg	165 l / 71 kg	182 l / 76 kg	202 l / 81 kg	220 l / 86 kg
<b>Emptying of collection container Dual</b>	Hydraulic; electric via cable connection from the carrier vehicle or electrically via wireless remote control				
<b>Main brush Ø 580 mm</b>	PPN, snow brush (PPN spiral trim) or PPN industrial trim (soft & hard bristles mixed). Optional: steel/PPN, steel flat wire/PPN, <b>Bio-Polymer (compostable)</b> . Stepless spindle adjustment of the main brush				
<b>Driving speed</b>	Recommended 0,8 to 6 km/h				
<b>Area performance</b>	Up to 7,300 m <sup>2</sup> per battery at a sweeping speed of 4 km/h				
<b>Wheels</b>	Heavy-duty wheels Ø 200 x 50 mm (industrial version); optional: super-elastic wheels Ø 200 x 80 mm				
<b>Rotary side brush Ø 600 mm</b> (optional equipment)	<b>NEW:</b> Mechanical drive. Rotary side brush available for the right or the left side. Selectable brushes: PPN, PPN industrial trim, steel/PPN, steel flat wire/PPN, <b>Bio-Polymer (compostable)</b>				
<b>Water spray unit</b> (optional equipment)	2 x 64 l water tanks, tank filter and 12 volts pressure pump; 240 l water tank - rear attachment, Electrical supply via the carrier vehicle or via battery (wireless remote control). (direct injection of water into the main brush and rotary side brush)				
Further attachments and equipments, as well as special constructions on request. Technical data and weight measurements are approximate and non-binding. Weight measurements without special equipments and attachment. Mistakes and errors reserved. © bema GmbH Maschinenfabrik (2023.12)					

## FEATURES IN DETAIL



EGO Power electric motor with two powerful 56V ARC Lithium™ batteries



Optional: Supply directly via the electric vehicle via integrated 48V DC socket



Optional: Battery charger