

# GEMMA E78

NEW



MOTOSCOPE  
CLEANING MACHINES

Poli Motoscope Cleaning Machines  
Frazione Sacca, 2  
43052 Colorno (PR) ITALY  
[www.polimotoscope.com](http://www.polimotoscope.com)

[info@polimotoscope.com](mailto:info@polimotoscope.com)

We are presenting our new sweeper, **GEMMA**, which is completing our sweepers range, from 50 cm to 90 cm, for main brush's cleaning width.

**GEMMA** is produced in two different typologies: first, with handling discharge of dust container; second, named 'DSA', with automatic discharge of dust container, high 145 cm from the ground. Types of feed will be: E (batteries), S (gasoline), SG (gasoline / GPL), D (Diesel). The chosen technical solutions and characteristics put GEMMA at the top position in the market range of the actual produced machines, with a remarkable quality / price relation. Besides being, basically, a 'Poli' machine, for this having an electrically welded iron frame, painted in oven with epossidic dust paint, GEMMA E78 (battery version) possesses following characteristics:

1. Traction is obtained by frontal electro-motor wheel with vertical motor in gear cascade, this permits maximum angle rotation during steering. For this, Gemma can rotate on itself, so it's possible use it for clean in limited spaces. Maximum speed is 7,5 Km/h, assisted by an automatic system for reducing speed while curving.
2. It's easily handled, because it has great diameter super-elastic wheels, anti-trace standard wheels on battery version.
3. Braking system with double drum on rear wheels.
4. Electronically controlled speed by an electric chart with a 160 Amps. of current capacity, to go up ramps till 18% incline.
5. Filter for the standard version is an M-class sack filter, available in different substances and treatments, it has a 5,5 m2 surface and cleaning is obtained by an electric vibrator. There is also a cartridge filter version with washable filters for a 6,4 m2 surface, also equipped with an electric vibrator.
6. Main brush and side brush are replaceable without using tools.
7. Dust container capacity is 108 lt. It's also possible, for the handling discharge container, have nr. 3 plastic reduced containers inside the main container, to make easier the discharge.
8. It's possible to do a fast batteries change, for they are placed in a steel case, extractable from the side of the machine.
9. Protection front disks in anti-trace gum.
10. It's possible to lift the machine for transport and to anchor it from the sides.
11. Front working lights, flash, ergonomic commands, adjustable seat, hour-counter, battery-level indicator (for E78), claxon, electric start (S78, SG78) are all standard equipment.

**OPTIONAL :**

**Left side brush**

**Protection roof**

**Humidification device for the surfaces to clean**

TECHNICAL FEATURES	U.M.	GEMMA E78
Runs on	//	24 c.c./dc
Main brush width	mm	780
Main brush width + nr. 1 RH side brush	mm	980
Main brush width + nr. 2 side brushes	mm	1.260
Max forward speed	m/s	2,08
Max reverse speed	m/s	1,04
Max cleaning capacity (with nr. 2 side brushes)	m <sup>2</sup> /h	9.000
Max gradients it can work on	%	18
Traction	//	Front wheel
Trasmission	//	Electric
U-turn minimum space between two walls	cm	200
Filtering surface (nr. 1 bag filter)	m <sup>2</sup>	5,5
Filtering surface (nr. 8 polyester cartridge filters)	m <sup>2</sup>	6,4
Dust container capacity	L	108
Max height of hydraulic dump <b>DSA</b>	mm	1.450
Max lenght with dust container	mm	1.560
Widht	mm	1.020
Height	mm	1.300
Weight without batteries	Kg	375
Sound power level Lw	Db (A)	83