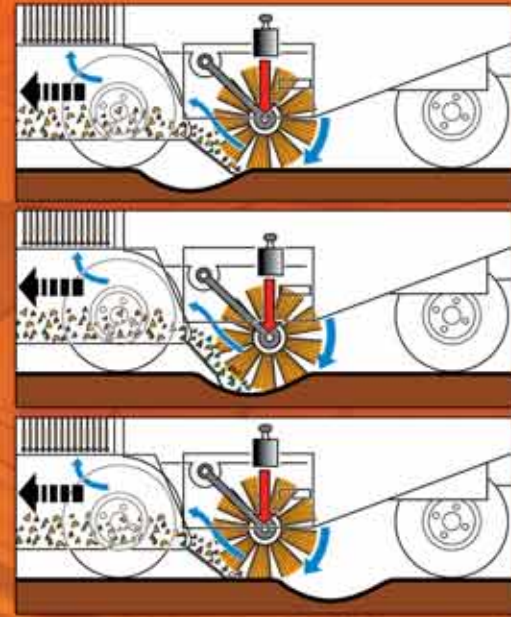


# S.B.S.

• S.B.S. sensitive brush system.

Its distinctive characteristic is the tested and popular S.B.S. Sensitive Brush System. DULEVO patent, it maintains pressure to the ground in the central brush unchanged, as set by the operator, automatically and quickly adjusting it to ground surface conditions and to the type of waste to pick up, ensuring outstanding and continuous cleaning in all conditions.



HYDRO POWER

STREET CLEANING EQUIPMENT

Design and technology  
for a cleaner world.



# 90 elite

inspired from the past, built for the future.



Featuring  
GORE Filtration Products

With more than 30 years of experience in the industrial sweeping sector and due to its collaboration with the GORE® group DULEVO's dust filtration system has evolved again and reached perfection. The mechanic-suction-filtering system, patented by Dulevo, already well-known for its capacity to filter fine and ultra-fine dust, has become the only system able

to capture PM10 dust with the application of the GORE® filters, a global exclusive. The extraordinary GORE® filtering materials greatly increase performance and offer longer duration, ease of cleaning, reduced maintenance and a 35% increase in air flow-rate: All these factors concur to increase the sweeping quality.



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passion for technology.

Specifications are not binding for our company and subject to change at any time without notice.



# 90 elite

The past provided us with the experience and the knowledge to resolve the problems of industrial sweeping: **Today we are leading the future with the 90 elite model.** With 90 elite, DULEVO enlarges its range for the industrial sector, where it is traditionally the undisputed leader. The historic tradition of the 90 model found in the elite version the perfect combination of reliability and productivity united to intuitive and ergonomic ease of use.

The machine is compact to facilitate work even in the most narrow areas; spacious and comfortable for the driver to make work enjoyable and fast; increased loading capacity due to an efficient compression system.

The tested collection systems which have made DULEVO famous, combined with a targeted use of the new patents gave birth to the 90 elite, leader in fine dust control.

## • The hopper.

Placed at the front, it can be lifted hydraulically up to 1350 mm, in order to dump waste in large refuse bins. It has a volume of 270 litres.

The closing flap system is placed so as to compress waste, thus considerably increasing the load and reducing sweeping time.

## • The filter. PATENT System with bags.

Placed at the top of the hopper, it is designed to hold the finest dust up to 3 micron. Due to its bag system, the fabric filter offers the widest filtering surface 4.3m in a minimum space. Easy to dismantle for cleaning: The bonnet where the filter is opens up by means of a simple lever. The electric filter shaker guarantees the detachment and fall of dust, making routine cleaning simple checking operations.

## Technical data

		90 EH	90 BK	90 DK
Sweeping range				
Central brush only	mm	900	900	900
With right side brush	mm	1200	1200	1200
With right and left side brushes	mm	1500	1500	1500
Diameter side brushes	mm	550	550	550
Diameter central brush	mm	300-310	300-310	300-310
Waste hopper capacity	Lt.	270	270	270
Discharging height	mm	1350	1350	1350
Filtrating surface	m <sup>2</sup>	4,3	4,3	4,3
Maximum speed	km/h	7	7	7
Weight	Kg	600 (without battery)	745	735
ENGINE MANUFACTURER AND MODEL		METAL ROTAR	KUBOTA DF752	KUBOTA Z602
Number of cylinders			3	2
Fuel		Battery, 36 V	Fuel/LPG	Diesel
Maximum power		2,8 KW at 2350 rpm	16,4 KW at 3600 rpm	10,3 KW at 3200 rpm
Power calibrated in operation			9,6 KW at 2800 rpm	8,5 KW at 2350 rpm
Service brake:		mechanical	mechanical	mechanical
Parking and emergency brake		mechanical	mechanical	mechanical
Front wheels		superelastic	superelastic	superelastic
Back wheel		superelastic	superelastic	superelastic
DIMENSIONS				
Length	mm	2030	2030	2030
Width	mm	1210	1210	1210
Height	mm	1455	1455	1455

## • Direct collection system. The most efficient.

It picks up any type of waste from the finest dust to the heaviest and most bulky waste. Due to the front position of the hopper, excellent results can be achieved even when the brush is completely worn out. The pressure gauge on the main brush can be operated directly from the driver's seat. It optimises the sweeping action on all surfaces but also greatly increases the life of the brush.

## • Comfort and functionality.

Maximum comfort for the driver: Simple, ergonomic and intuitive commands. Power steering, adjustable pedal. Low noise levels, lower than 80 dB.

## • Total access to machine parts.

Comfortable doors allow to reveal all the parts of the machine, facilitating checks and maintenance operations. The main brush can be replaced without the use of tools, thus reducing costs and time.

## • Safety as a design philosophy.

The 90 elite is designed to guarantee the highest levels of safety. The vehicle is fitted with a front wheel mechanical braking system, and a horn which automatically operates as the reverse gear is inserted. The wheels are of the 4.00-6 type with a high ratio between their width and height to ensure greater stability. The electrically welded high performance frame is made entirely in steel. It is treated with an anti-corrosion system and painted with a high thickness polyester dust based paint.

## • Low levels of noise, environmentally friendly.

The lower levels of noise has been obtained by optimising the mechanical response of the dynamic components and in particular reducing sources of vibrations. In addition selected and tested sound absorbent materials have been largely used so as to make the machine conform to the noise levels set out by UNI-EN regulations. The fabric filter holds fine dusts (PM10) and the various types of engines available – electrical, petrol/PGL and diesel – offer a wide choice to customers' requirements in the respect of the environment.



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