

120 elite

Everything you could ask from a sweeper and even more.

The new 120 Elite, developed from the previous 120 sold in thousands of units all around the world, retains and improves upon the characteristics that made its predecessor so popular. The

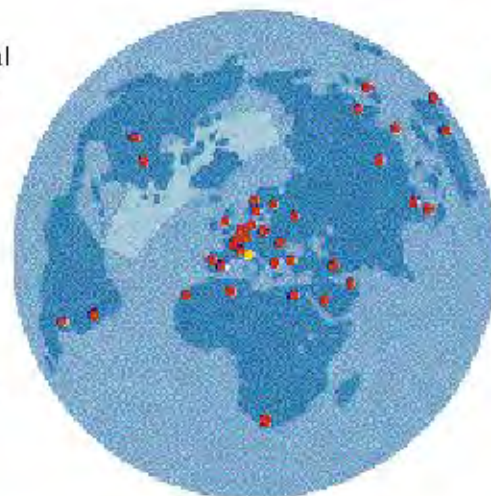
120 Elite combines a modern and attractive design with superior strength and many advanced features. The result is a truly elite sweeper, unique in its class, robust, reliable, efficient and yet stylish! Made to meet the cleaning and hygiene requirements in a wide variety of industrial applications, the 120 Elite has been designed to improve the quality of the workplace and to create conditions necessary to obtain high levels of productivity. The direct-throw sweeping system that is applied to the complete Dulevo sweeper range is at the heart of the 120 Elite. The collection system starts with the side broom(s) which transfer dust and debris towards the centre of the machine where a large diameter



cylindrical main broom throws everything forward into the waste hopper. Fine dust is also drawn directly into the waste hopper by a powerful vacuum system which is created by a high efficiency fan and a heavy duty filter ensures that only clean air is exhausted back into the environment. With a choice of battery, petrol, L.P.G. or diesel powered units there is a version of the 120 Elite suitable for every type of application. An overhead guard or cabin is available, the cabin option is fully equipped and can be fitted with a heater or air conditioning to provide maximum operator comfort even in the most severe working conditions. Collectively these features combine to create the highest efficiency, quality and operating reliability, in common with all the Dulevo product range.

Dulevo, design and technology for a cleaner world

Thanks to its wide range of industrial sweepers, street cleaning equipment and scrubber driers, DULEVO is today unanimously acknowledged as a truly international market leader. Over 30 years of manufacturing experience has enabled DULEVO to remain at the vanguard of technology and to consolidate, world-wide, its leadership in its market sector. The company's advanced quality control system is



certified to ISO 9001/2000, which is a confirmation of DULEVO's commitment to the total quality of its product and service.

An international network of importers and authorised dealers markets supports DULEVO products in all the major countries of the world; every day hundreds of people work to ensure that DULEVO is a prime force in all these markets.



INDUSTRIAL SWEEPERS



From a compact 750 mm sweep path «walk-behind» unit up to a giant 5 cu.m hopper capacity fully hydraulically operated model, a range that can meet all industrial requirements. Available in battery, petrol, L.P.G. and diesel powered versions.



STREET CLEANING EQUIPMENT



A wide range of sweepers, from the model with a sweep path of 1500 mm. to the sweeper with a 5 m³ hopper. The street washing machine with tanks capacity from 2600 lt. up to 6000 lt., to the 10 m³ compactor.



AUTO SCRUBBER-DRIERS



A complete range that starts with a small 435 mm scrubbing path «walk-behind» machine and progresses through to a ride-on 1200 mm model. All versions are battery powered, with main supply options available on smaller models.



COMMERCIAL SPRINT



DULEVO[®]
INTERNATIONAL

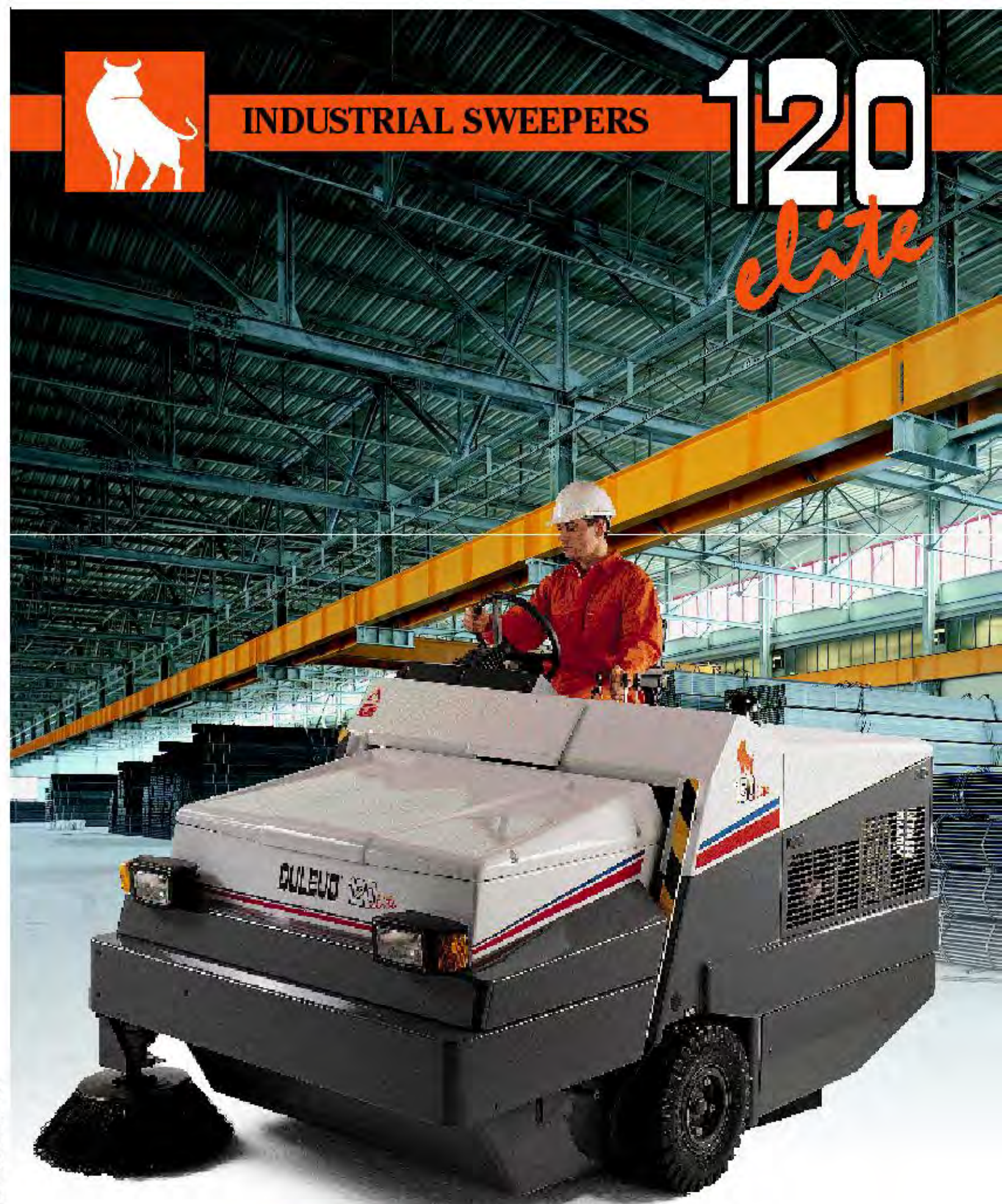
DULEVO INTERNATIONAL spa
Via G. Guareschi, 1 - 43012 Fontanellato - PARMA - Italy - Tel. +39-0521-827711 - Fax +39-0521-827795
www.dulevo.com - info@dulevo.com

V&V Pubblicità Roma



INDUSTRIAL SWEEPERS

120 elite



DULEVO[®]
INTERNATIONAL



Specificazioni e dettagli sono soggetti a change-without-prior-notice.



The dashboard



The filter system



The side broom with variable speed



Maximum driver comfort



1. The direct-throw sweeping system. "The most efficient"

Sweeps any type of debris, from the finest dust to the larger heavier debris you find around the workplace. The waste hopper, which is placed immediately in front of the main broom ensures perfect sweeping results even when the broom is nearing the end of its useful life. Adjustment of the main broom pressure is made from the driving position and not only optimizes the sweeping results on uneven surfaces but also helps to extend brush life.



2. The filter system, made from rot-proof polyester

Designed to filter even the finest dust (down to 3 micron), ensuring that this is the ideal machine for industrial environments with a high concentration of fine particles. Thanks to its special design the filter guarantees the maximum filter surface area possible (10 sq.m) in such a small space, reducing dramatically the time required for filter shaking. Easy to dismantle and clean, the filter rarely requires changing and ensures that the filter system saves both time and money.



3. An effective filter shaking system

Shaking the filter elements with considerable vigour in various directions ensures that all the dust is separated from the filter fabric which then falls into the waste hopper. This system ensures long operating periods between dismantling and manual cleaning of the elements.



4. Variable speed side broom(s)

Following a market survey across a wide range of users, the speed of the side broom(s) controlled from the driving position is now infinitely variable between 0 and 110 rpm. This new important feature allows the machine to produce maximum cleaning results in all types of conditions and extends brush life by as much as 60 %.



5. High capacity vacuum fan

Connected directly to a high speed hydraulic motor positioned inside the hopper, noise levels are reduced to a minimum when the machine is operating.

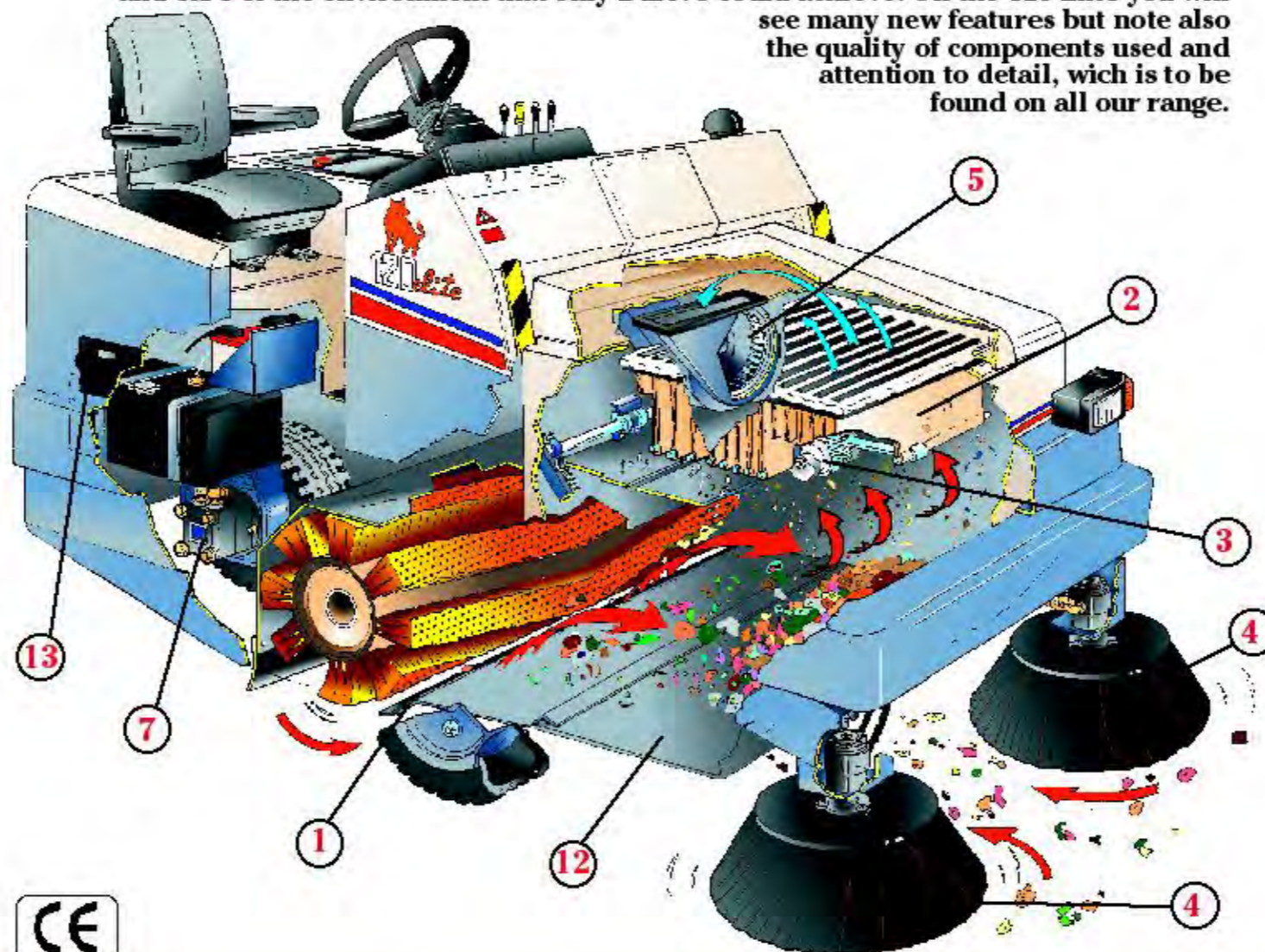


6. Operator comfort

The 120 Elite which complies with ISO 4523 standards has been designed to ensure maximum levels of comfort, operation and ease of control. Equipped with power steering, fully adjustable steering column, height-adjustable sprung seat with armrests and ergonomically positioned switches and controls that together eliminate driver fatigue.

120 Elite, the industrial sweeper with more standard features

A perfect combination of style and comfort, safety and reliability, high performance and care of the environment that only Dulevo could achieve. On the 120 Elite you will see many new features but note also the quality of components used and attention to detail, which is to be found on all our range.



TECHNICAL DATA	120 EH	120 DK	120 BF	120 GF	DIMENSIONS
SWEEP WIDTHS					
MAIN BROOM ONLY	1200	1200	1200	1200	
WITH ONE SIDE BROOM ONLY	1500	1500	1500	1500	
WITH TWO SIDE BROOMS	1800	1800	1800	1800	
WITH THIRD SIDE BROOM	2250	2250	2250	2250	
DIAMETER OF SIDE BROOMS	600	600	600	600	
DIAMETER OF MAIN BROOM	380	380	380	380	
WASTE HOPPER CAPACITY	450	450	450	450	
MAXIMUM DUMPING HEIGHT	1500	1500	1500	1500	
FILTER AREA	10	10	10	10	
MAXIMUM SPEED	12	12	12	12	
WEIGHT (UNLADEN with driver, 70 Kg)	2150 (inc. batteries)	1450	1450	1450	
MOTOR-MANUFACTURER	BEST MOTOR	KUBOTA	FORD	FORD	
MODEL	-	V1505-EU1	VSC413	TSC416	
NUMBER OF CYLINDERS					
FUEL	BATTERY 48 V	DIESEL	PETROL	LPG	
MAXIMUM POWER	10 kW	24 kW	44 kW	32,7 kW	
REVOLUTION FOR MINUTES	at 1800 rpm	at 3000 rpm	at 5000 rpm	at 3000 rpm	
	at 1800 rpm	at 1950 rpm	at 1950 rpm	at 2000 rpm	
SERVICE BRAKE	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL	
PARKING BRAKE	PNELMATIC 5,000R	PNELMATIC 5,000R	PNELMATIC 5,000R	PNELMATIC 5,000R	
FRONT TYRES	SUPERELASTIC	PNELMATIC 5,000R	PNELMATIC 5,000R	PNELMATIC 5,000R	
REAR TYRE					



7. Direct transmission

Consisting of a hydraulic variable delivery pump connected to a heavy duty hydraulic motor that is connected directly to the rear wheel. The system offers all the advantages of a heavy duty transmission system but without weak points such as chains, joint and couplings.



8. Environmentally friendly

Dulevo's filter system is designed to prevent dust (down to 3 micron) from escaping into the atmosphere. To meet environmental requirements the machine is available in various version - battery powered, L.G.P. and petrol or diesel fitted with catalytic exhausts.



9. Quiet operation

The low noise levels on the 120 Elite that comply with ISO standards have been successfully obtained by optimizing the dynamic response of the mechanical parts. Proven sound deadening materials have been selected and particular care has been taken to eliminate vibration.



10. Safety as a design philosophy

Designed to meet the highest safety standards, the 120 Elite also complies with CEE 89/392 requirements. The machine is equipped with hydraulic braking to the front wheels, audible reverse warning and is fitted with 5.00.8" heavy duty tyres that ensures maximum stability.



11. Ease of maintenance

To simplify maintenance the machine has been designed with easy access to the engine and its surrounding components. The main broom can also be changed without the use of tools.



12. Large capacity high dump hopper

The waste hopper has an effective capacity of 450 litres. The hopper door is closed hydraulically to compact debris prior to emptying. The hopper itself can be raised hydraulically from ground level up to a maximum height of 1.5 metres, which enables the machine to dump into most of the waste skips currently in use.



13. Refuelling

The 120 Elite has been designed to have an easy external access fuel point for convenience and safety.



14. Chassis strength

The chassis is manufactured from high quality electro welded steel for maximum strength. The finished unit is fully coated with a special primer and finished with a high resistant polyurethane paint.



15. Manoeuvrability

The 120 Elite is highly manoeuvrable with an outside turning circle of approx. 2,6 metres.



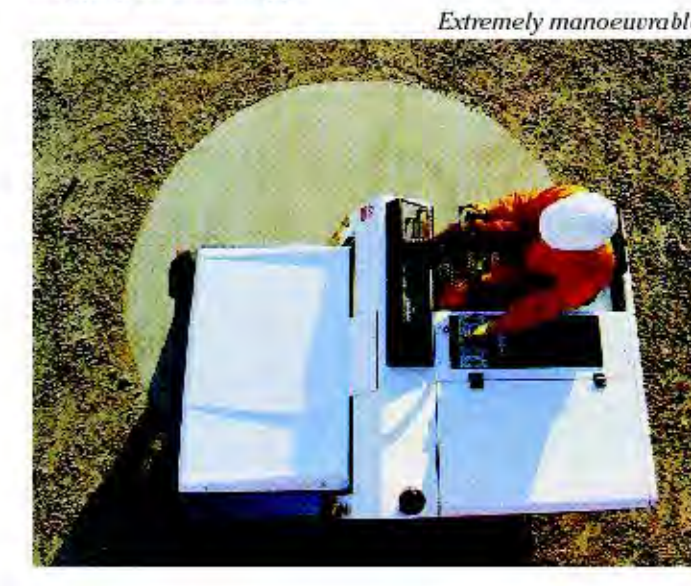
Direct drive to rear wheel



Main broom removable without the use of tools



Emptying the waste hopper



Extremely manoeuvrable



The dashboard



The filter system



The side broom with variable speed



Maximum driver comfort



1. The direct-throw sweeping system. "The most efficient"

Sweeps any type of debris, from the finest dust to the larger heavier debris you find around the workplace. The waste hopper, which is placed immediately in front of the main broom ensures perfect sweeping results even when the broom is nearing the end of its useful life. Adjustment of the main broom pressure is made from the driving position and not only optimizes the sweeping results on uneven surfaces but also helps to extend brush life.



2. The filter system, made from rot-proof polyester

Designed to filter even the finest dust (down to 3 micron), ensuring that this is the ideal machine for industrial environments with a high concentration of fine particles. Thanks to its special design the filter guarantees the maximum filter surface area possible (10 sq.m) in such a small space, reducing dramatically the time required for filter shaking. Easy to dismantle and clean, the filter rarely requires changing and ensures that the filter system saves both time and money.



3. An effective filter shaking system

Shaking the filter elements with considerable vigour in various directions ensures that all the dust is separated from the filter fabric which then falls into the waste hopper. This system ensures long operating periods between dismantling and manual cleaning of the elements.



4. Variable speed side broom(s)

Following a market survey across a wide range of users, the speed of the side broom(s) controlled from the driving position is now infinitely variable between 0 and 110 rpm. This new important feature allows the machine to produce maximum cleaning results in all types of conditions and extends brush life by as much as 60 %.



5. High capacity vacuum fan

Connected directly to a high speed hydraulic motor positioned inside the hopper, noise levels are reduced to a minimum when the machine is operating.

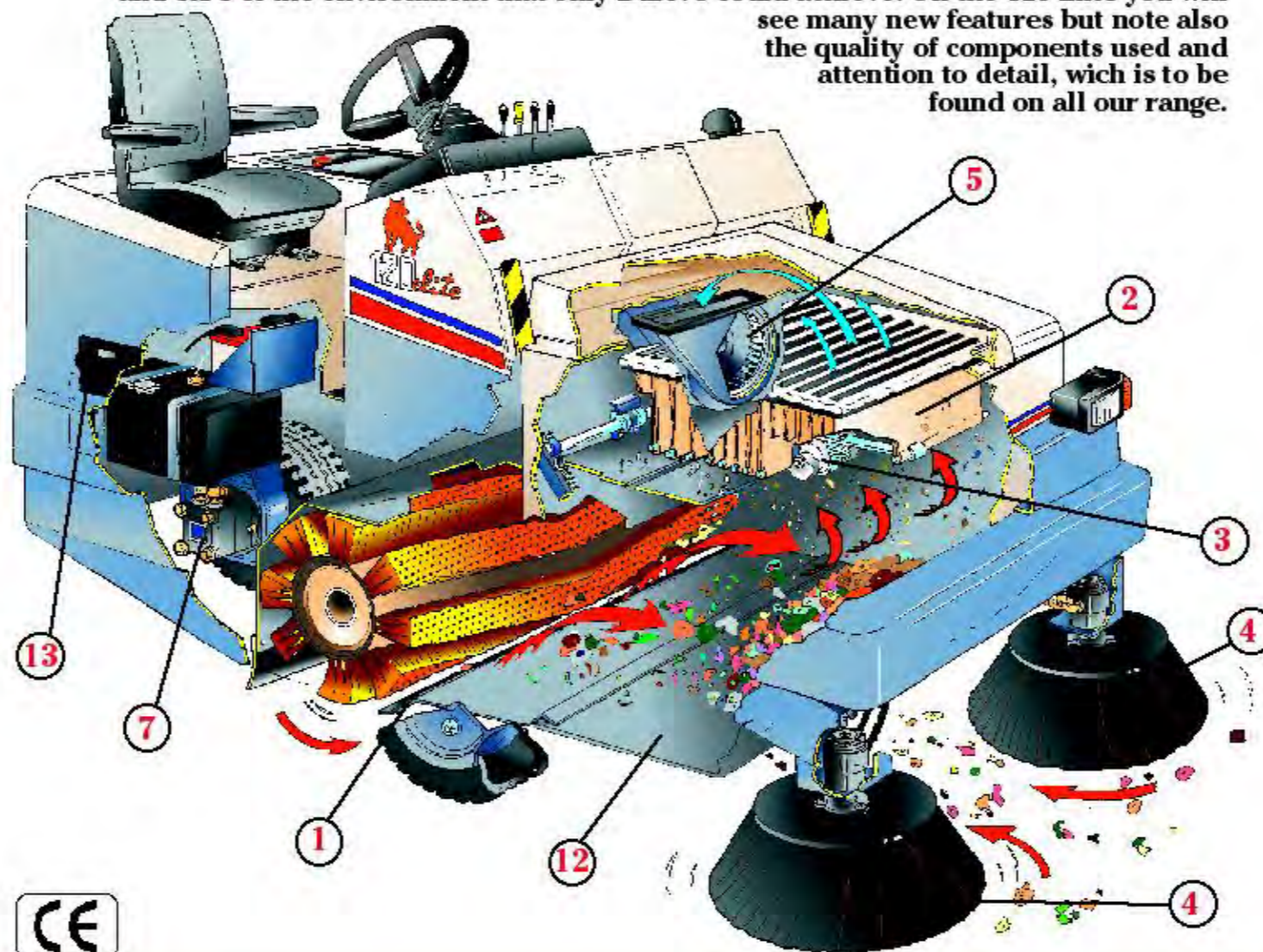


6. Operator comfort

The 120 Elite which complies with ISO 4523 standards has been designed to ensure maximum levels of comfort, operation and ease of control. Equipped with power steering, fully adjustable steering column, height-adjustable sprung seat with armrests and ergonomically positioned switches and controls that together eliminate driver fatigue.

120 Elite, the industrial sweeper with more standard features

A perfect combination of style and comfort, safety and reliability, high performance and care of the environment that only Dulevo could achieve. On the 120 Elite you will see many new features but note also the quality of components used and attention to detail, which is to be found on all our range.



TECHNICAL DATA	120 EH	120 DK	120 BF	120 GF	DIMENSIONS
SWEEP WIDTHS					
MAIN BROOM ONLY	1200	1200	1200	1200	
WITH ONE SIDE BROOM ONLY	1500	1500	1500	1500	
WITH TWO SIDE BROOMS	1800	1800	1800	1800	
WITH THIRD SIDE BROOM	2250	2250	2250	2250	
DIAMETER OF SIDE BROOMS	600	600	600	600	
DIAMETER OF MAIN BROOM	380	380	380	380	
WASTE HOPPER CAPACITY	450	450	450	450	
MAXIMUM DUMPING HEIGHT	1500	1500	1500	1500	
FILTER AREA	10	10	10	10	
MAXIMUM SPEED	12	12	12	12	
WEIGHT (UNLADEN with driver, 70 Kg)	2150 (inc. batteries)	1450	1450	1450	
MOTOR-MANUFACTURER	BEST MOTOR	KUBOTA	FORD	FORD	
MODEL	-	V1505-EU1	VSC413	TSC416	
NUMBER OF CYLINDERS		4	4	4	
FUEL	BATTERY 48 V	DIESEL	PETROL	LPG	
MAXIMUM POWER	10 kW	24 kW	44 kW	32,7 kW	
REVOLUTION FOR MINUTES	at 1800 rpm	at 3000 rpm	at 5000 rpm	at 3000 rpm	
	at 1800 rpm	at 1950 rpm	at 1950 rpm	at 2000 rpm	
SERVICE BRAKE	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL	
PARKING BRAKE	PNELMATIC 5,000R	PNELMATIC 5,000R	PNELMATIC 5,000R	PNELMATIC 5,000R	
FRONT TYRES	SUPERELASTIC	PNELMATIC 5,000R	PNELMATIC 5,000R	PNELMATIC 5,000R	
REAR TYRE					



7. Direct transmission

Consisting of a hydraulic variable delivery pump connected to a heavy duty hydraulic motor that is connected directly to the rear wheel. The system offers all the advantages of a heavy duty transmission system but without weak points such as chains, joint and couplings.



8. Environmentally friendly

Dulevo's filter system is designed to prevent dust (down to 3 micron) from escaping into the atmosphere. To meet environmental requirements the machine is available in various version - battery powered, L.G.P. and petrol or diesel fitted with catalytic exhausts.



9. Quiet operation

The low noise levels on the 120 Elite that comply with ISO standards have been successfully obtained by optimizing the dynamic response of the mechanical parts. Proven sound deadening materials have been selected and particular care has been taken to eliminate vibration.



10. Safety as a design philosophy

Designed to meet the highest safety standards, the 120 Elite also complies with CEE 89/392 requirements. The machine is equipped with hydraulic braking to the front wheels, audible reverse warning and is fitted with 5.00.8" heavy duty tyres that ensures maximum stability.



11. Ease of maintenance

To simplify maintenance the machine has been designed with easy access to the engine and its surrounding components. The main broom can also be changed without the use of tools.



12. Large capacity high dump hopper

The waste hopper has an effective capacity of 450 litres. The hopper door is closed hydraulically to compact debris prior to emptying. The hopper itself can be raised hydraulically from ground level up to a maximum height of 1.5 metres, which enables the machine to dump into most of the waste skips currently in use.



13. Refuelling

The 120 Elite has been designed to have an easy external access fuel point for convenience and safety.



14. Chassis strength

The chassis is manufactured from high quality electro welded steel for maximum strength. The finished unit is fully coated with a special primer and finished with a high resistant polyurethane paint.



15. Manoeuvrability

The 120 Elite is highly manoeuvrable with an outside turning circle of approx. 2,6 metres.



Direct drive to rear wheel



Main broom removable without the use of tools



Emptying the waste hopper



Extremely manoeuvrable