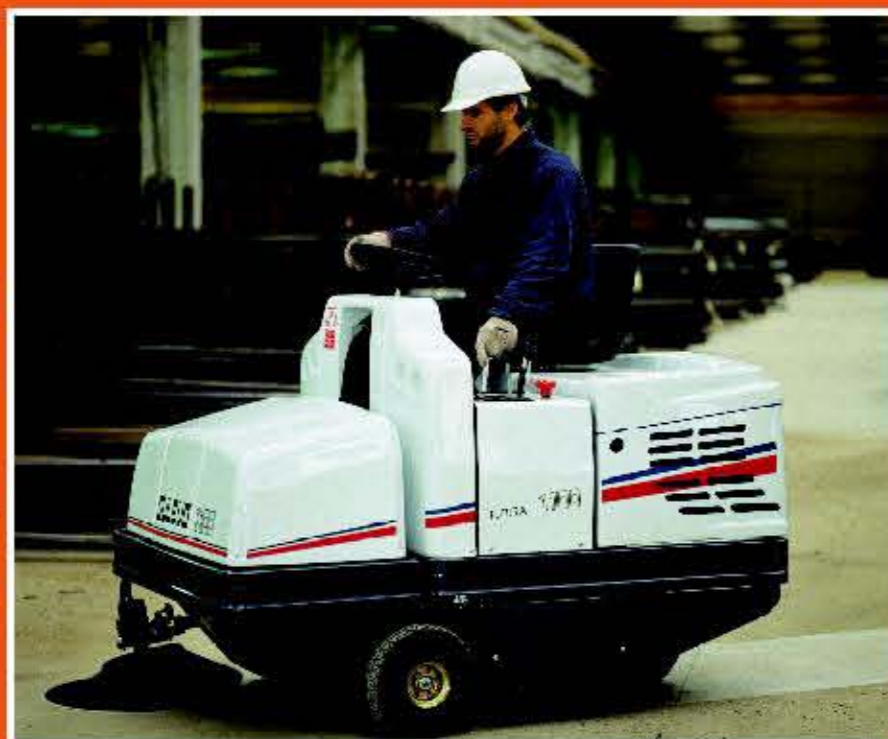


1100 FUTURA

Revolutionary and ultra compact

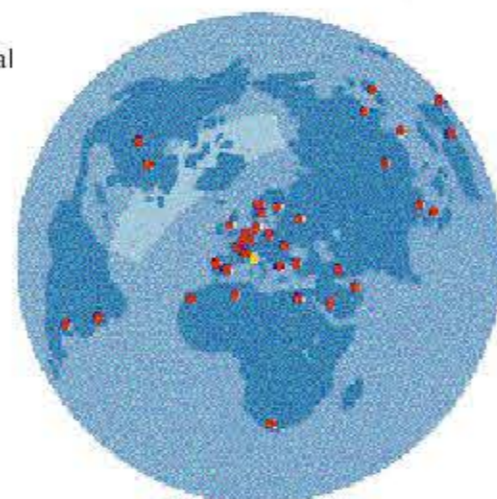
The Dulevo 1100 FUTURA gives outstanding results in industrial, commercial and street sweeping. Thanks to its ultra compact design and hydraulic systems, the 1100 FUTURA is extremely manoeuvrable and simple to operate, whilst its modern and attractive styling makes it stand out from the crowd. The all hydraulic system with its total absence of drive belts keeps maintenance costs to a minimum. The direct throw sweeping system, the operating principle applied to the complete Dulevo sweeper range, is at the heart of the 1100 FUTURA. Collection starts with the side broom(s) which transfer dust



and debris into 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 hopper by a powerful vacuum which is created by a high efficiency fan, a special heavy duty polyester filter ensuring that only clean air is exhausted back into the environment. With a choice of battery, petrol, L.P.G. or diesel power units there is a version of the 1100 FUTURA suitable for every type of application. An extensive range of options and accessories is available which ensures the versatility of this outstanding machine.

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

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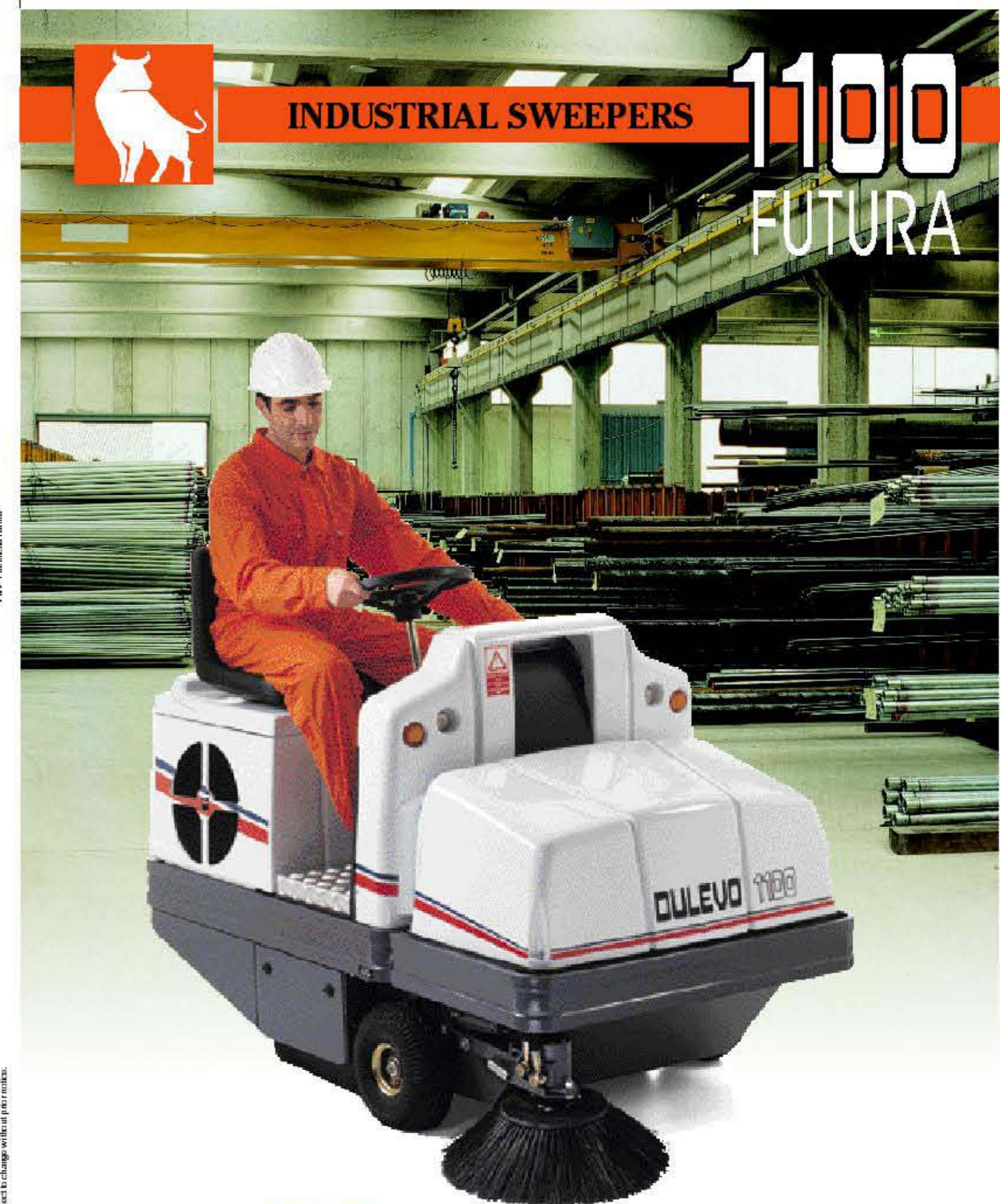
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INDUSTRIAL SWEEPERS

1100 FUTURA



DULEVO[®]
INTERNATIONAL





Easy access to mechanical components



The patented filter system



The side broom



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 optimises the sweeping results on uneven surfaces but helps to extend brush life.

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

Designed to filter even the finest dust (down to 3 micron), ensures that this is the ideal machine for those industrial environments with a high concentration of fine particles. The completely new patented filter design considerably increases the available filter surface.

Easy to dismantle and clean, the filter rarely requires changing and ensures that this 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, and then falls into the waste hopper. This system allows long operating periods between dismantling and manual cleaning of the elements.

4. Automatic lifting, shock resistant side broom(s)

The hydraulically powered side broom(s) are resistant to impact and protected by a heavy steel bumper.

A patented system automatically raises the broom when not in use, preventing possible deformation of the bristles and uneven wear.

5. High capacity vacuum fan

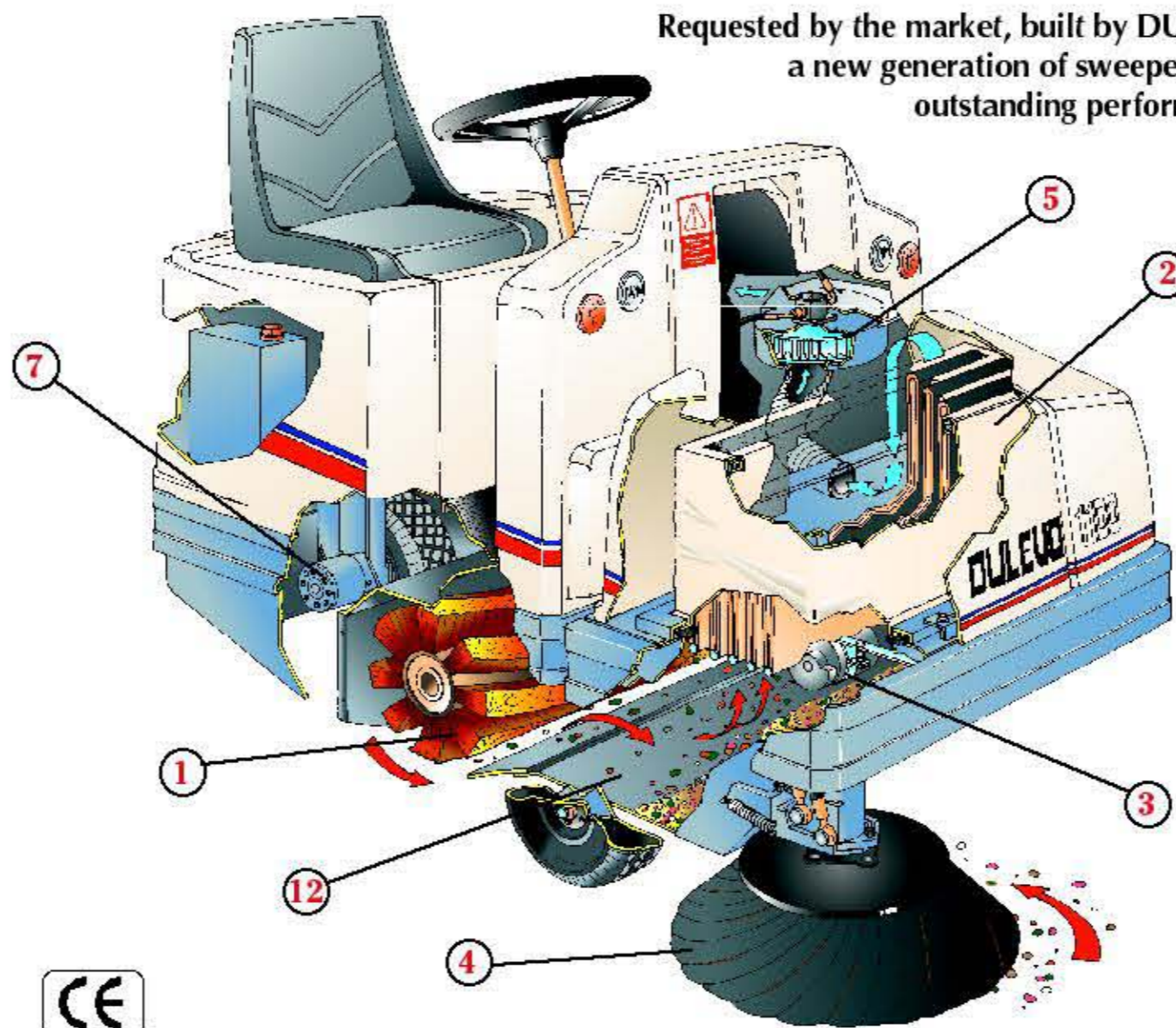
Positioned within the engine compartment the hydraulically powered fan (electric in model EH) can be shut off when the machine has to work in wet conditions.

6. Operator comfort

The 1100 FUTURA is designed to ensure maximum levels of comfort, operation and ease of control.

1100 FUTURA: Power, Style & Quality

Requested by the market, built by DULEVO,
a new generation of sweepers with
outstanding performance.



TECHNICAL DATA	1100 EH	1100 DL	1100 SV	DIMENSIONS
SWEEP WIDTHS				
MAIN BROOM ONLY	mm 750	750	750	
WITH ONE SIDE BROOM ONLY	mm 1140	1140	1140	
WITH TWO SIDE BROOMS	mm 1440	1440	1440	
DIAMETER OF SIDE BROOMS	mm 600	600	600	
DIAMETER OF MAIN BROOM	mm 290	290	290	
WASTE HOPPER CAPACITY	litre 140	140	140	
MAXIMUM DUMPING HEIGHT	mm 1330	1330	1330	
FILTER AREA	sq.m 6	6	6	
MAXIMUM SPEED	Km/h 7	7	7	
WEIGHT UNLADEN (with driver, 70 kg)	kg 955	700	640	
MOTOR: MANUFACTURER	BEST MOTOR	LOMBARDINI	BRIGGS & STRATTON	
MODEL	-	502	VANGLIARD	
NUMBER OF CYLINDERS	2	2	1	
FUEL	BATTERY	DIESEL	PETROL/L.P.G.	
MAXIMUM POWER	2.5 kW (3.4 HP) at 3600 rpm	9.8 kW (13.4 HP) at 3600 rpm	6.8 kW (9.2 HP) at 3600 rpm	
RATED POWER IN WORKING CONDITIONS	-	7.8 kW (10.6 HP) at 2800 rpm	5.5 kW (7.5 HP) at 2800 rpm	
SERVICE BRAKE	MECHANICAL	MECHANICAL	MECHANICAL	
PARKING BRAKE	MECHANICAL	MECHANICAL	MECHANICAL	
FRONT TYRES	PNEUMATIC 4.004-4	PNEUMATIC 4.004-4	PNEUMATIC 4.004-4	
REAR TYRE	CUSHION 310/100-170L	PNEUMATIC 4.004-4	PNEUMATIC 4.004-4	

7. Direct Transmission

Consisting of a 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, joints 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 versions - battery powered, L.P.G. and petrol or diesel fitted with catalytic exhausts.

9. Quiet Operation

The low noise levels that comply with ISO standards have been successfully obtained by optimising 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 1100 FUTURA also complies with CEE 89/392 requirements.

11. Ease of maintenance

To minimize maintenance, the machine has no belts and has been designed to give total access to the engine and 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 140 litres. The hopper door is closed hydraulically to compact debris prior to emptying. The hopper itself can be raised from ground level up to a maximum height of 1.34 metres, which enables the machine to dump into most of the waste skips currently in use.

13. Chassis Rigidity

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.

14. Manoeuvrability

The 1100 FUTURA is highly manoeuvrable with an outside turning circle of approx. 2.2m.



Direct drive to rear wheel



Main broom removable without the use of tools



Emptying the waste hopper



Extremely manoeuvrable