



PAVER CM F175

ENGINE

HATZ 7.6 kW (10.4 hp)

OPERATING WEIGHT

1000 Kg

PAVING WIDTH

Standard: 800 - 1350 mm

With extensions: 1750 mm

With reduction plates: 250 mm

FOREWORD

SMALL DIMENSIONS FOR A GREAT REVOLUTION

When spreading asphalt, concrete and sand over areas larger than 1.5 m, such as highways, municipal roads and large squares, vibro-pavers with wheels or tracks are the ideal solution.

However, they are certainly not suitable for works involving spreads of less than 1.5 m, for example to fill in excavations for pipelines, optical fiber networks or to pave sidewalks or cycle paths.

These paving operations carried out manually require the work of four workers at least: one operating the skid loader, two workers spreading the asphalt manually and one using the wheelbarrow to carry the material to inaccessible places. However, in most cases the resulting spread is neither smooth nor straight.

The CM F175, a small-scale vibro-paver, has been created in order to offer the market a machine that will lighten the workers' load.

The compact size and light weight of the CM F175 make the machine easy to

handle and simple to use.

The driver, standing on a platform near the spread, can easily intervene and make any needed adjustment.

Consequently, the number of people necessary to control the machine is reduced to two units:

- One to operate the skid loader to load the asphalt laterally;
- One to drive the machine and control the spread.

The paving capacity of the CM F175 is approximately 350 m²/h, compared to manual spreading that can reach 150 m²/h at most.







FEATURES

WHAT MAKES THE PAVER CM F175 UNIQUE?

THE CM F175 HAS THE FOLLOWING DISTINGUISHING FEATURES:

1. Four-wheel machine
2. Two rear drive wheels
3. Two front tilting and steering wheels
4. Fixed hopper with swing-out side wings for easy material loading
5. Hydraulically extendable screed
6. Reduced size for transportation:
2585x800x1400 mm
7. Weight: 1000 Kg for on-site lifting with
a loader
8. Tight internal turning radius 1.15 m

TRANSMISSION SYSTEM

Air-cooled diesel engine with electric start.

Hydrostatic transmission, with variable flow rate pump and two gear-motors.

Rear drive wheels mounted directly on the gearboxes, with negative hydraulic control brakes. Power-operated control allowing the progressive machine start-up and stop by means of an electronic PCB. A potentiometer regulates the speed. Hydraulic power steering system.

BRAKES

Hydrostatic service brake, controlled by an On-STby switch.

Emergency and parking brake with negative hydraulic control.

An emergency button stops all moving parts.

FEEDING

The hopper can be loaded laterally with a mechanical loader.

The swing-out side wings can increase the loading mouth.

A stainless steel bar conveyor belt carries the material to the augers.

Controlled by a single hydraulic motor, the two augers distribute the material over the entire width of the screed.

A paddle feed sensor automatically adjusts the material flow in front of the screed. On the conveyor, two optional gates that can be regulated and moved facilitate the material distribution in front of the screed.



DRIVING POSITION

Thanks to the rear platform, the machine can be driven standing up. All operating and emergency controls are positioned on the dashboard within easy reach of the driver, ensuring its best possible use. The dashboard includes a panel cover to prevent vandalism.

SCREED

The machine is equipped with a S175 V Screed, to spread from 800 to 1350 mm.

Two mechanical extensions can extend it up to 1750 mm.

The smoothing plates are heated by LPG.

For maximum security, the burner ignition is controlled electronically.

Variations in the MW spread crowning can be obtained by using specific adjusters.

VIBRATION SYSTEM

A vibration system featuring unbalanced mass with hydraulic control gets activated or deactivated when the machine is switched on or off.

ROAD CIRCULATION KIT

The Paver F175 is the only model in the small-paver category that can be equipped with the Road Circulation Kit. Through this optional configuration, specifically designed by CM to ensure the maximum operator's safety, the F175 can be driven along public roads and operate in unfenced jobsites, in full compliance with the Italian Traffic Code. The jobsite work efficiency takes great advantage from this, since the machine can be freely driven without further compulsory equipment.

The Paver F175 with the Road Circulation Kit includes the following elements:

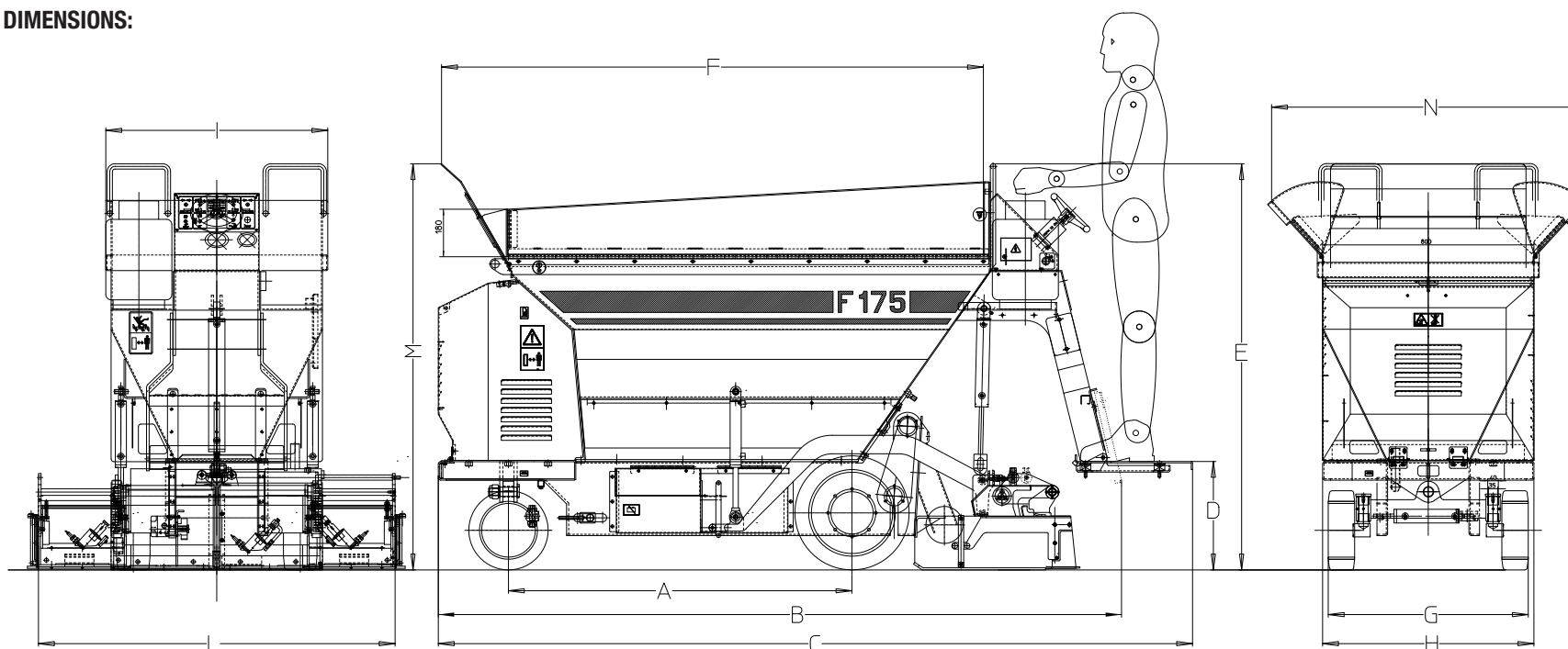
- front and rear specific lights;
- a rear-view mirror to widen the operator's view;
- retro-reflecting elements, making the operator and the machine clearly identifiable even in low visibility conditions;
- a licence plate holder.



WHEELED PAVER MODEL F175

BASIC TECHNICAL SPECIFICATIONS			TECHNICAL DETAILS OF S175 V SCREED	
<div>ENGINE</div> <div>Diesel Hatz</div>				
Cooling	Air-cooled		Dimensions	800 – 1350 mm Hydraulically extendable
Model	1B50T-6		Guides	Front telescopic guides and Rear cylindrical guides
Power	7.6 kW at 3000 rpm (ISO 3046)		Plate width	Central 160 mm Side 140 mm
Diesel tank	5 l		Plate thickness	6 mm - interchangeable
Electrical system	12 V		Central crowning	Mechanical +4% - 2%
Rear drive wheels	Cushion 432x127		Paving profile	M – W (with adjustment units)
Front wheels	Cushion 300x100		Heating	Gas with 3 burners with electronic ignition
Suspension	Front tilting wheels		Paving thickness	0 - 100 mm
Steering	Hydraulic power steering and steering cylinder			
Drive	Closed-circuit hydraulic drive: n° 1 pump , n° 2 gear motors, n° 1 electronic board for drive control			
Variable speed	From 0 to 2600 m/h			
Service brake	Hydrostatic			
Parking brake	Negative, multiple-disc, built into the gear units			
Hopper	Single hopper			
Capacity	1.2 t			
Internal width	0.8 m			
Loading mouth	2.05 x 1.18 m			
Theoretical paving capacity	Production 17.9 t/h			
Conveyor	No. 1 with strips, reversible, with hydraulic control, orbital motor and roller chain			
Augers	N° 2 single-control augers with conveyor and reversible - Diam. 140 ps 110 - Turns 94- With on-off feed sensor			
Total Weight	1000 Kg Standard version			

DIMENSIONS:



A 1300

B 2585

C 2855

D 410

E 1470

F 2050

G 757

H 800

I 840

L 1350

M 1540

N 1185

OPTIONS AVAILABLE ON REQUEST:

- Reductions plates to a minimum paving width of 250 mm
- 200 mm mechanical extensions for a maximum paving width of 1750 mm
- Longitudinal leveller
- Manual pump/tank for ecological non-stick liquid
- Rear twin wheels
- Independent right/left augers and conveyor, driven by a single motor and two feed sensors (*Patent owned by CM)
- Gates for conveyor partializing
- Road Circulation Kit (Italy)



Materials and specifications may be subject to change without prior notice.

Featured machines in photos may include additional equipment.

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C.M. Srl - Via della Cooperazione, 3 - 48017 - Conselice - Ravenna - Italy

P.IVA / C.F. / Reg. Impr. RA 02008560399 - R.E.A. RA 163792 - Capitale sociale € 500.000 i.v.

Telefono +39 0545 986611 - Fax +39 0545 85135 - www.cmsrl.com / e-mail: cmsrl@cmsrl.com

