



PAVER CM F220T

ENGINE

Perkins Stage V 45 kW (60 Hp)

OPERATING WEIGHT

4800 kg

PAVING WIDTH

Standard: 1200 – 2200 mm

With extensions: 3000 mm

With reduction plates: 500 mm

QUALITY, INNOVATION AND PASSION FOR EXTRAORDINARY RESULTS

Our company pursues with determination the objective of designing Pavers combining the best technological applications and attention to details with the requirements of the end users and the new materials used in this field. The enthusiasm for our work has always accompanied us for over 40 years of activity in this sector and now, more than ever before, characterizes all design and construction phases of our CM-branded machines. The passion distinguishing our projects represents a real added value we are proud of and it certainly makes our Pavers unique.

After thorough technical studies and operating tests lasting several months, the CM Paver model F220T is now ready to satisfy any User's need in the road paving sector. Thanks to its compact size and to the versatility of its screed (standard length: 120 cm – 220 cm), by supplying specific extensions and reduction plates, the model F220T can

perform paving operations from 50 cm to 300 cm wide and, therefore, it represents the perfect solution for the paving of parking areas, urban streets, emergency lanes, winding mountain roads, trenches, sidewalks and cycle paths. In addition, it is characterized by the following features:

- A choice of the highest quality components, directly from the best Italian and European suppliers
- In-depth studies carried out in partnership with our Top suppliers of motors and drive components (Rexroth and Perkins) to ensure high safety standards, preventing all danger levels from occurring in the proximity of the machine (EN ISO 13849-1 and EN ISO 13849-2 Certifications)
- A highly advanced drive system
- A highly technological, user-friendly

and easy-maintenance dashboard

- Ease of access to any part for service, by means of two side doors positioned on each side of the machine and by a hood which can be opened upwards

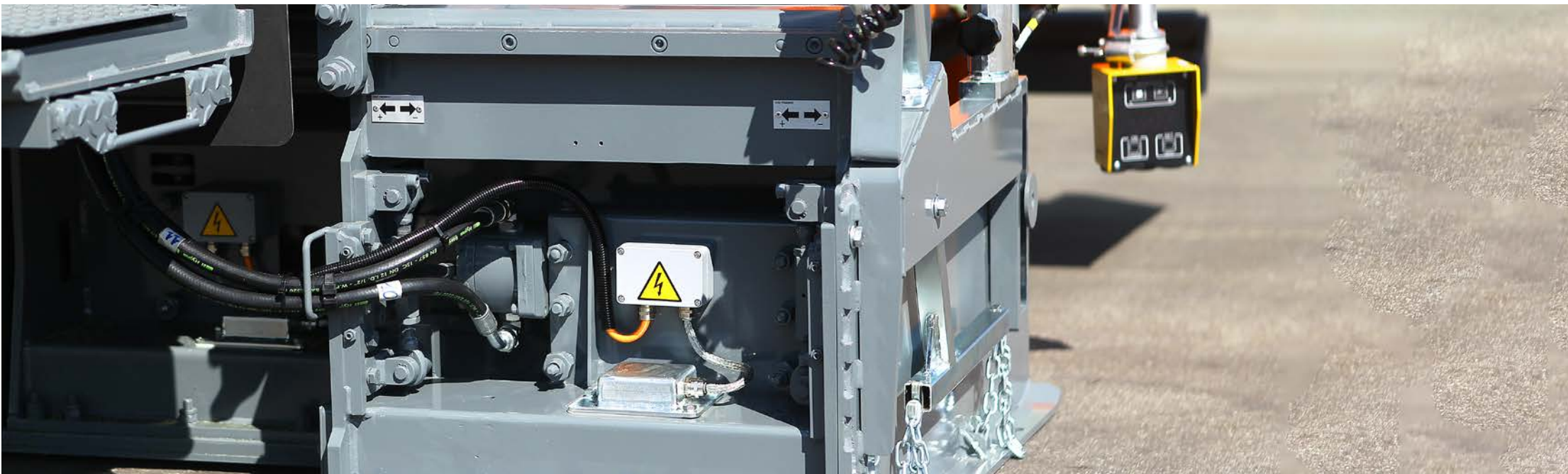
- Several available screed configurations: with tamper and vibration system or with vibration system only; with electric or gas heating system

- Possible additional configurations to answer any Customer's need.

- Dedicated access to the Online Spare Part Catalogue

- Assistance and maintenance guaranteed both by our head office and by authorized dealers

- Customized financial solutions





FEATURES

WHAT MAKES THE CM PAVER MODEL F220T OUTSTANDING?

THE CM F220T HAS THE FOLLOWING DISTINGUISHING FEATURES:

1. Tracked machine, with steel chains and wear-resistant, rubber-bonded pads.
2. Lohmann planetary gearboxes for drive control, with oil-bath lubrication and Rexroth hydraulic motor, with negative hydraulic control brakes. Track tension with cylinder and grease accumulator.
3. Two independent control hoppers; vertical swing-out wings. Standard capacity: 3800 kg.
4. Hydraulically extendable screed, with electric or gas heating system, equipped with tamper and vibration system or with vibration system only.
5. Compact transport dimensions: 4250 x 1200 x 1820 mm
6. Weight 4800 kg, easy loading and transport.
7. Tight inner turning radius: 1 meter.



POWER TRANSMISSION SYSTEM:

Perkins diesel engine (model 404J-E22T - EU Stage V)
power 45 kW (60 Hp) at 2800 rpm, water-cooled.

Emission standards compliance:

EU NRM 97/68/EC Stage V

US EPA 40 CFR Part 1039 Tier 4 Final

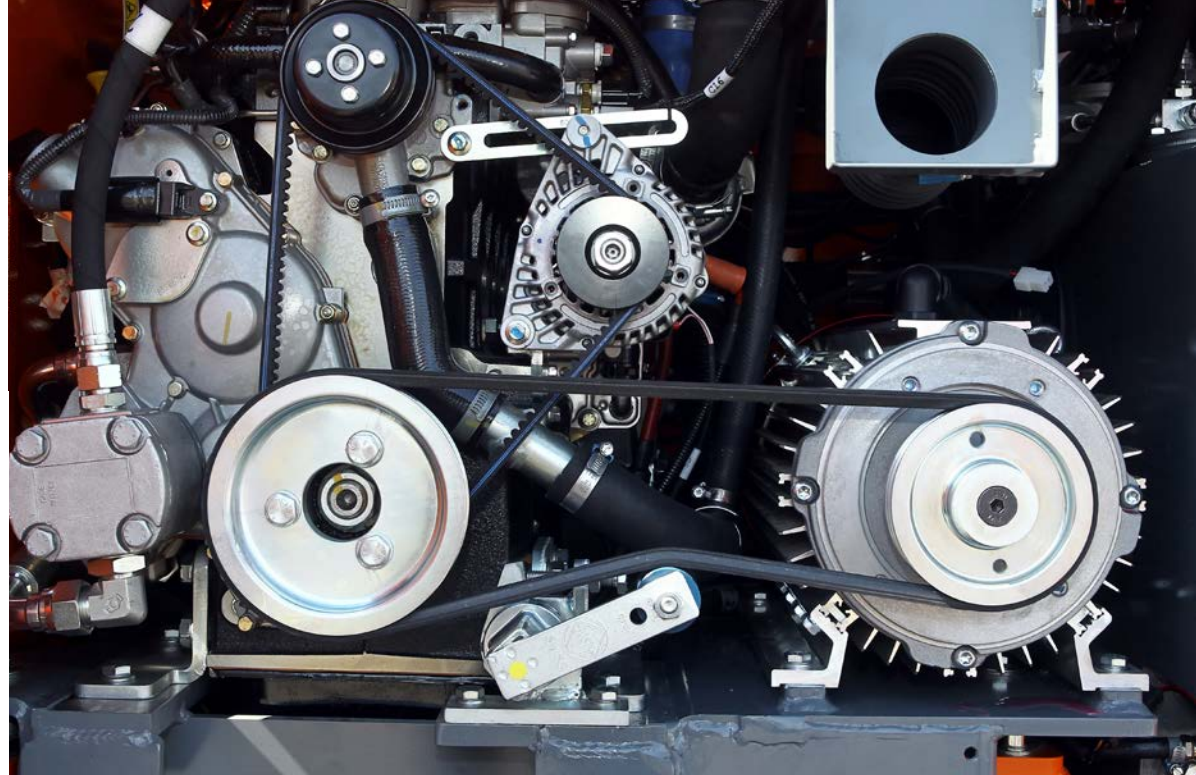
CARB 13CCR Section 2423 Tier 4 Final

MLIT Japan Stage IV

Pumps flanged on a coupler; every pump controls a track gearbox. The whole system is managed by a printed circuit board, which is controlled by potentiometers and joysticks adjusting the speed and the steering of the machine. An electric knob ensures the steering.

BRAKES:

Hydrostatic service brake, controlled by the On-STby switch. Parking/emergency brake with negative hydraulic control. An emergency control placed on the dashboard stops all functions of the machine and engine, whereas two emergency buttons positioned at the sides, on the screed end gates, stop all the machine functions in case of danger for the pedestrian operator.





FEATURES

A NEW PAVING EXPERIENCE WITH CM F220T

FEEDING

The hopper can be loaded either from the front with a truck or laterally with a skid loader, by swinging out one or both side wings. A stainless steel bar conveyor belt carries the material to two augers. The augers controlled by two motors, one for each side, distribute the material over the entire width of the screed and can be lifted by hydraulic controls to ensure better paving performances. A paddle feed sensor automatically adjusts the flow of material in front of the screed. Two feed sensors, one for each auger, also guarantee proper material feeding. These electro-mechanical sensors can be replaced by ultrasonic sensors on request.

OPERATOR PLATFORM

Stand-up driving position with dashboard and user-friendly, easy-access controls.

Any control can be also replaced by unqualified personnel. This makes it simpler to carry out maintenance on the machine. The dashboard features a vandal-proof panel and a display to operate the functions of the engine and of all the machine components, with warning lights for maintenance.



SCREED:

By exploiting the same frame unit, the machine can be equipped with four different types of screed, so that Users can choose the most appropriate configuration according to their needs:

1. Vibrating screed, with electric heating system (S220V/E);
2. Screed with tamper and vibration system, with electric heating system (S220T/E). The electric heating system (3-phase 380-400V) is wholly managed by a generator connected to the engine through a belt, and by an electronic control monitoring the operation and the temperature of the resistances fastened to the smoothing plates of the screed. Every current phase produced by the generator is checked to guarantee maximum safety to the whole system.
3. Vibrating screed, with gas heating system (S220V/G)
4. Screed with tamper and vibration system, with gas heating system (S220T/G). The gas heating is provided by atmospheric burners with flame ignition/extinction control by means of an electronic system, to ensure the greatest safety.

In all these configurations, the crowning profiles M-W can be varied through specific adjusters.



TRACKED PAVER MODEL F220T

BASIC TECHNICAL SPECIFICATIONS

ENGINE

Diesel Perkins

Cooling	Water-cooled	Electronic variable speed	Working: 0-30 m/min Travelling: 0-3 km/h	Conveyor	N° 1 with hydraulic control, reversible strips, orbital motor and roller chain
Model	404J-E22T - EU Stage V US EPA 40 CFR Part 1039 Tier 4 Final	Service brake	Hydrostatic		
Power	45 kW (60 Hp) at 2800 rpm	Parking brake	Negative, multiplate, built into the gear units	Augers	N° 2 with independent and reversible control; diam. 280 mm, pitch 250 mm, turns 60; hydraulically variable height from the ground (100 mm); with On-Off feed sensors
Diesel tank	70 l	Hopper	Two with independent control and swing-out side wings		
Electrical system	12 V	Push rollers	Oscillating and reclining within the hopper outline		
Tracks	4'' pitch chain, 8 rollers on each side	Capacity	3.8 t (1.9 m³)		
Track adjusters	Grease piston with accumulator	Inner hopper width	2650 mm		
Ground contact area	1600x180 mm	Loading height	565 mm at the sides; 520 mm at the centre		
Steering	Electronic	Total Weight	4800 kg		
Drive system	Hydraulic with closed circuit: n°2 pumps, n°2 gear motors, n° 1 software Rexroth	Theoretical hourly output	200 t/h		



TECHNICAL SPECIFICATIONS OF S220T SCREED WITH TAMPER AND VIBRATION SYSTEM

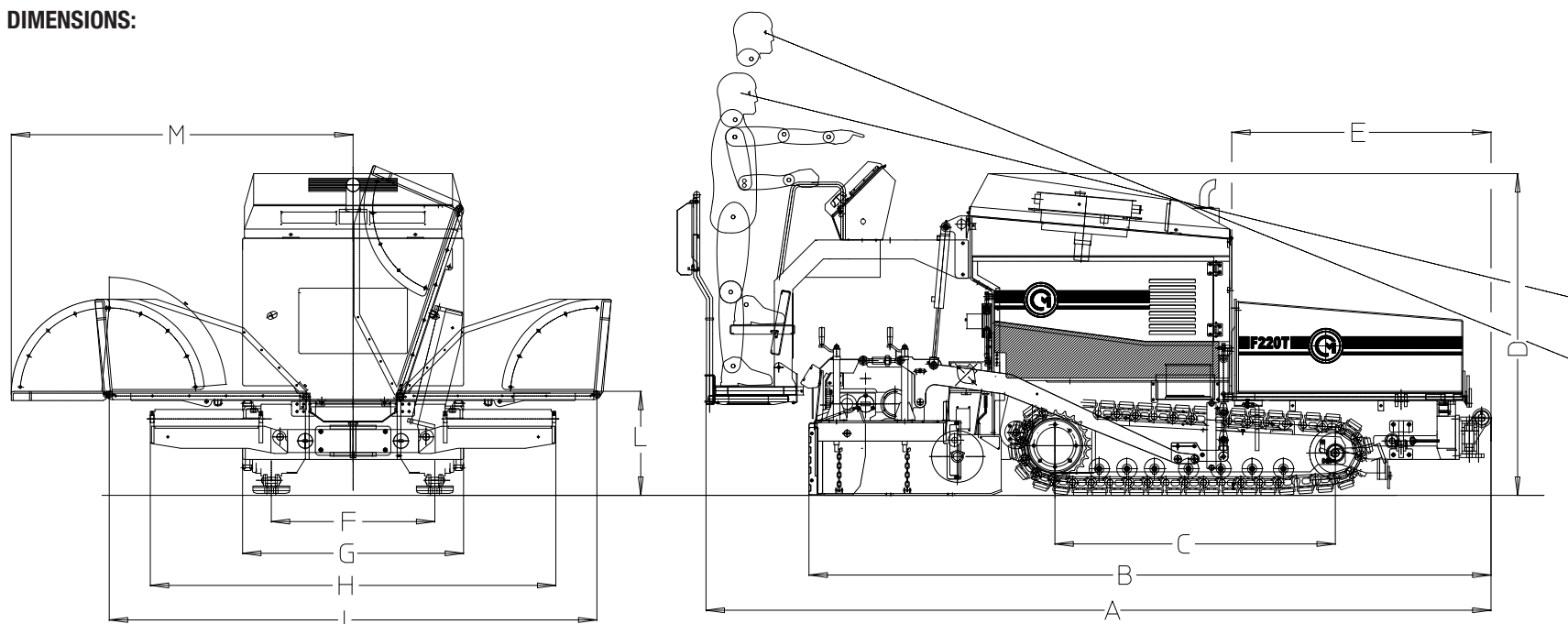
Dimensions	Hydraulically extendable base 1200 – 2200 mm
Plate width	240 mm
Plate thickness	10 mm
Tamper	20x48 mm
Tamper rpm	1650 rpm
Tamper stroke	3 mm
Central crowning	Mechanical +4.5% - 2%
Paving profile	M – W
Heating	- Electric 3-phase 380/400V - Gas with 4 burners with electronic ignition
Extensions with tamper and vibration system	Width 400 mm (from 2200 to 3000mm); electric or gas heating system, with augers and retaining tunnel
Side end gates	Adjustable with 2 adjusting units



TECHNICAL SPECIFICATIONS OF S220V SCREED WITH VIBRATION SYSTEM

Dimensions	Hydraulically extendable base 1200 – 2200 mm
Plate width	255 mm
Plate thickness	10 mm
Vibration rpm	3100 rpm
Central crowning	Mechanical +4.5% - 2%
Paving profile	M – W
Heating	- Electric 3-phase 380/400V - Gas with 4 burners with electronic ignition
Extensions with vibration system	Width 400 mm (from 2200 to 3000mm); electric or gas heating system, with augers and retaining tunnel
Side end gates	Adjustable with 2 adjusting units

DIMENSIONS:



A 4265

B 3710

C 1525

D 1750

E 1410

F 890

G 1200

H 2200

I 2650

L 565

M 1840

OPTIONS AVAILABLE ON REQUEST:

- 400 mm mechanical extensions for a max width of 3000 mm
- Paving reduction plates to 500 mm
- Electro-hydraulically controlled crowning
- Wash tank with pump and winder for ecological non-stick liquid
- Heated screed end gates (electric screed version only)
- Proportional, ultrasonic auger feed sensors with supports
- Ecological hydraulic oil
- Longitudinal or transverse electronic digital levelers and related supports
- Front and rear night-time working lights for tunnels and covered parking areas
- Extendable operator platform kit
- Swivel direction index
- Additional 220V socket kit (electric screed version only)
- Light balloon (electric screed version only; the additional 220V socket kit is necessary)
- Road circulation kit and related documents



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

Featured machines in photos may include additional equipment.

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