



PAVER CM F180T

ENGINE

YANMAR 10.5 kW (14.3 hp)

OPERATING WEIGHT

1500 Kg

PAVING WIDTH

Standard: 800 - 1350 mm

With extensions: 1800 mm

With reduction plates: 250 mm

POWER ON TRACKS

The new tracked Paver F180T is ready to rewrite road construction site rules. With this new model, the third of the CM-branded range, the strength and reliability of our Made-in-Italy Pavers meet the incredible power of tracks, creating an arrangement never conceived for the small-size category. Particularly rough grounds and hard-to-reach areas no more need any manual intervention: the tracked F180T, featuring considerably enhanced drive and road grip, can pave in any jobsite and overcome any operational difficulty. Despite its performance similar to higher category models, the F180T is still the most compact tracked paver on the market.

The hydraulic screed S175V, with a standard spread width of 80-135 cm, can be equipped with specific extensions and reduction plates increasing its paving range to 25-180 cm. Therefore, it is perfectly suitable to pave cycle paths, sidewalks, footpaths,

to restore excavations for service laying and to work in historical centres often characterised by narrow work spaces and steep gradients.

The essential core of the F180T design consists of optimizing the paver operation and usage, reducing cost management as well as the need for manpower and, above all, the greatest operator's comfort and safety. Superior performances are ensured by:

- a two-cylinder, 10.5 kW Yanmar engine properly balancing the paver consumptions and the power required by the different utilities, with low noise emissions;
- enhanced transmission, cooling system and electrical power supply system to the utilities;
- a 16 l tank providing a full day's autonomy at work;
- an innovative, user-friendly control

panel, featuring a speed potentiometer and a steering wheel with an electronic potentiometer.

The Road Circulation Kit option is available on request.

Furthermore, it must be stressed that the production of all metal parts, from the most basic to the most complex ones such as frames and screeds, is completely carried out in our company, ensuring a unique product with unparalleled quality.







FEATURES

WHAT MAKES THE CM PAVER MODEL F180T SPECIAL?

THE CM F180T HAS THE FOLLOWING DISTINGUISHING FEATURES:

1. Tracked machine, with rubber-bonded, steel belt
2. Gear motors on each undercarriage with built-in negative brake
3. Fixed hopper with swing-out side wings for easy material loading
4. Hydraulically extendable screed
5. Compact transport dimensions:
2670x870x1585 mm
6. Weight 1500 kg; on-site lifting with a skid loader
7. Tight inner turning radius

POWER TRANSMISSION SYSTEM

Water-cooled diesel engine with electric start. Hydrostatic transmission with two variable flow rate pumps and two gear motors. Planetary gearboxes for drive control, with oil-bath lubrication and hydraulic motor, with negative hydraulic control brakes. Track tension with grease cylinder and spring. 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 machine start-up and stop, the speed and steering, always keeping the work parameters set by the operator.

BRAKES

Hydrostatic service brake, controlled by the On-STby switch. Emergency and parking brake with negative hydraulic control. An emergency control placed on the dashboard stops all the functions of the machine and engine.





OPERATOR PLATFORM

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

Any control can be also replaced by unqualified personnel: this makes possible maintenance operations to the machine easier.

The dashboard is equipped with a vandal-proof panel and warning lights to check the functions of the engine and all machine components.

FEEDING

The hopper can be loaded laterally by means of a skid loader. The swing-out side wings can widen the loading mouth. A bar conveyor belt, made of wear-resistant steel, conveys the material towards the augers. The two augers, controlled by a single hydraulic motor, distribute the flow of material over the whole screed width. A paddle feed sensor adjusts the flow of material automatically. Two mobile adjustable gates on the conveyor belt outlet facilitate the distribution of material in front of the screed.

SCREED

The machine is equipped with the S175V Screed, hydraulically extendable from 800 to 1350 mm. Two mechanical extensions can extend it up to 1800 mm, whereas two reduction plates can decrease the paving width to 250 mm.

The screed plates are heated by LPG. For maximum security, the burner ignition is controlled electronically. The screed includes a vibration system, with unbalanced mass and hydraulic control. It is activated or deactivated when the machine is switched on or off.

The optional system patented by CM, composed of a conveyor belt and two independent control augers driven by a single motor and two feed sensors, perfectly distributes the material over the whole screed width.

The crowning profiles M-W can be varied through specific adjusters. The smoothing screed plates, made of wear-resistant steel, are interchangeable and can be replaced very easily.

ROAD CIRCULATION KIT

The Paver F180T can be equipped with the Road Circulation Kit option, made up of specific lights, a rear-view mirror, retro-reflecting elements and a licence plate holder. Thanks to this configuration, that only CM provides for small-sized Pavers, operators can drive this machine safely, fully complying with the Italian Traffic Code, as well as work in 'open' construction sites.

TRACKED PAVER MODEL F180T

BASIC TECHNICAL SPECIFICATIONS

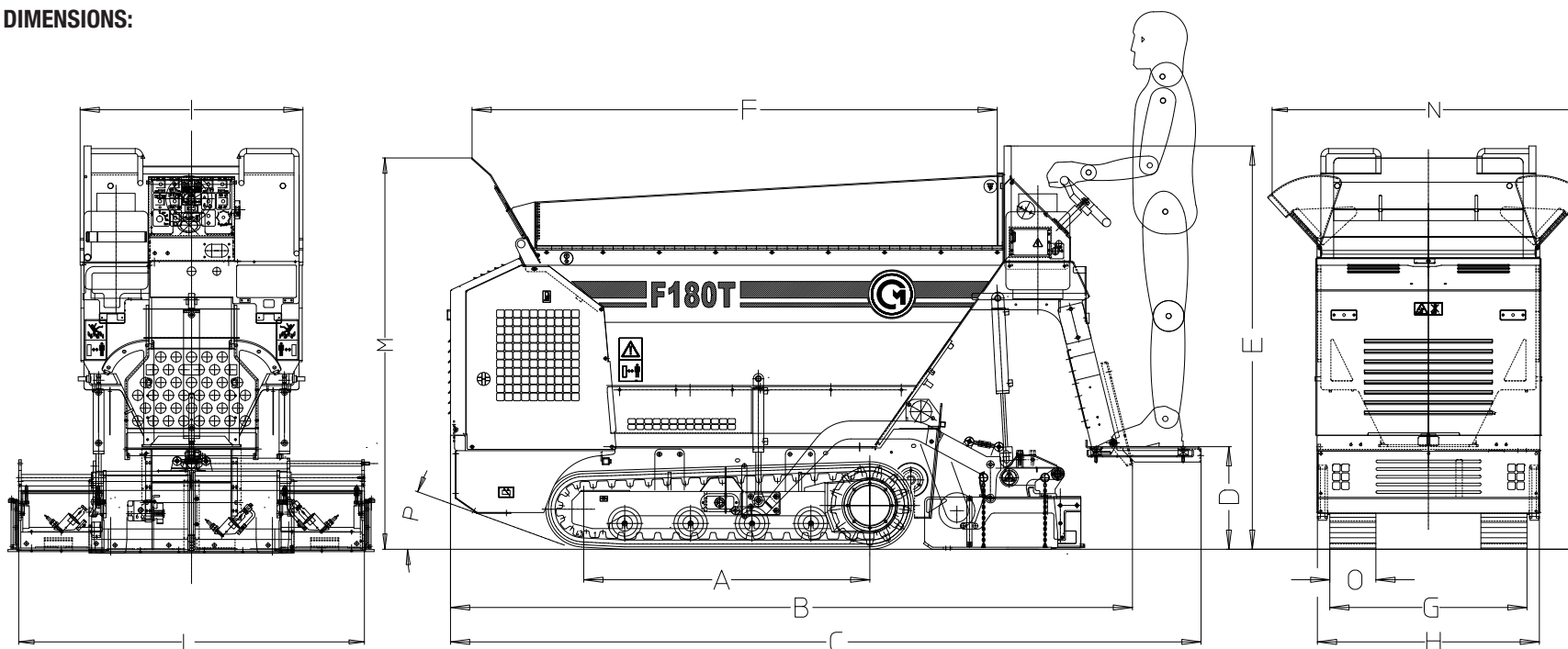
ENGINE	
Diesel Yanmar	
Cooling	Water-cooled
Model	2TNV70-ASA
Power	10.5 kW – 14.3 HP at 3600 rpm
Diesel tank	16 l
Electrical system	12 V
Tracks	180x72x43
Track adjusters	Grease piston with spring
Ground contact area	1100x180 mm
Steering	Electro-proportional
Drive	Hydraulic with closed circuit: N° 2 pumps, N° 2 gear motors, N° 1 B&P software
Variable speed	Speed from 0 to 3000 m/h
Service brake	Hydrostatic

Parking brake	Negative, multiple-disc, built into the gear units
Hopper	A single hopper
Capacity	1.2 t
Internal width	0.8 m
Loading mouth	2.05 x 1.18 m
Material feeding	Production 17.9 t/h
Conveyor	N° 1 with strips, reversible, with hydraulic control, orbital motor and roller chain
Augers	N° 2 single-control augers with conveyor, reversible - Diam. 140 pitch 110 On-Off feed sensor
Total weight	1500 Kg standard version

TECHNICAL SPECIFICATIONS OF S175V SCREED

Dimensions	800 – 1350 mm hydraulically extendable
Guides	Front telescopic guides and rear cylindrical guides
Central plate width	160 mm
Side plate width	140 mm
Plate thickness	6 mm - Interchangeable
Central crowning	Mechanical +4% - 2%
Paving profile	M – W (with adjustment units on mobile frames)
Heating	Gas with 3 burners with electronic ignition
Paving thickness	0-100 mm

DIMENSIONS:



A 1120

B 2665

C 2935

D 410

E 1580

F 2050

G 770

H 867

I 870

L 1350

M 1540

N 1245

O 180

P 20°

OPTIONS ON REQUEST:

- Mechanical reduction plates to a minimum paving width of 250 mm
- 225 mm mechanical extensions for a maximum paving width of 1800 mm
- Independent right/left augers and conveyor, driven by a single motor and two feed sensors (*Patent owned by CM)
- Mechanical gates for conveyor partializing
- Manual pump/tank for ecological non-stick liquid
- Road Circulation Kit (Italy)
- Longitudinal leveller



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

Featured machines in photos may include optional equipment.

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