



Cold milling machine W 1000

Technical specification



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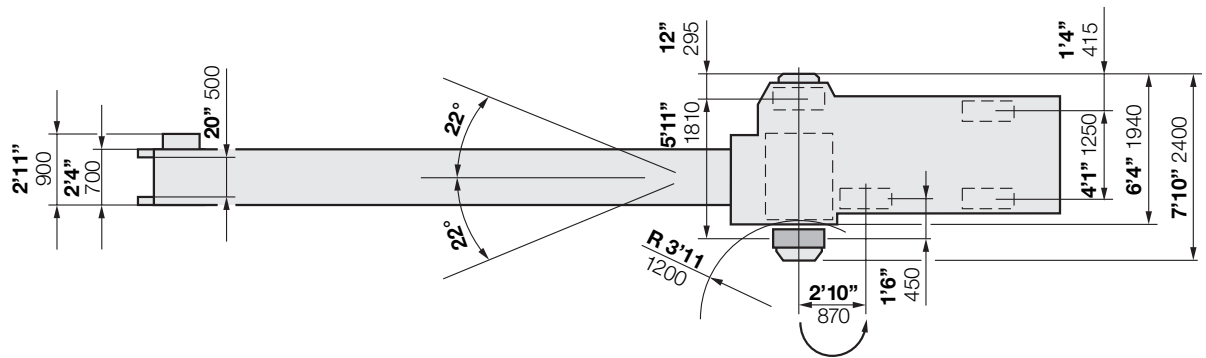
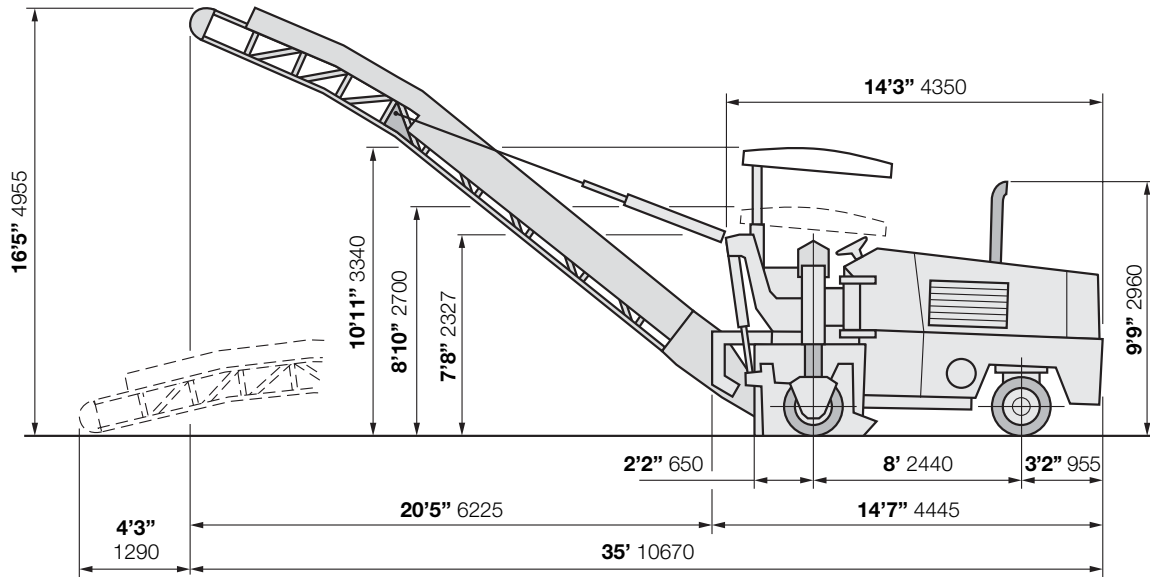
	Cold milling machine W 1000	Cold milling machine W 1000
Milling width max.	1,000 mm	3'3"
Milling depth *1	0 – 250 mm	0 – 10"
Milling drum		
Spacing	15 mm	5/8"
Number of tools	96	96
Drum diameter with tools	860 mm	2'10"
Engine		
Make	Caterpillar	Caterpillar
Type	3126 B ATAAC	3126 B ATAAC
Cooling	Water	Water
No. of cylinders	6	6
Output	154 kW/206 HP/209 PS	154 kW/206 HP/209 PS
Engine speed	2,300 min ⁻¹	2,300 min ⁻¹
Displacement	7,200 cm ³	439 in ³
Fuel consumption: 1/1 load	39.7 l/h	10.5 gal/h
Fuel consumption: 2/3 load	26.5 l/h	7 gal/h
Speed / Gradeability		
1 st gear	0 – 25 m/min	0 – 82 ft/min
2 nd gear	0 – 5.8 km/h	0 – 3.6 MPH
Theor. gradeability – 1 st gear	60 %	60 %
Theor. gradeability – 2 nd gear	15 %	15 %
Transversal inclination max.	10°	10°
Ground clearance	280 mm	11"
Weights / Loads *2		
Front axle load, full tanks	6,600 daN (kg)	14,551 lbs
Rear axle load, full tanks	10,600 daN (kg)	23,369 lbs
Own weight	16,000 daN (kg)	35,274 lbs
Operating weight, CE *3	16,600 daN (kg)	36,597 lbs
Operating weight, full tanks	17,200 daN (kg)	37,920 lbs
Tyres		
Type of tyres	solid rubber	solid rubber
Tyre size, front	Ø 660 x 250 mm	Ø 26" x 10"
Tyre size, rear	Ø 660 x 250 mm	Ø 26" x 10"
Tank capacities		
Fuel tank	320 l	84.5 gal
Hydraulic fluid tank	100 l	26.4 gal
Water tank	580 l	153.2 gal
Electrical system	24 V	24 V
Conveyor system		
Belt width	500 mm	20"
Theor. capacity of discharge conveyor	115 m ³ /h	150 yd ³ /h
Shipping dimensions		
Dimensions of machine L x W x H	4,500 x 2,400 x 3,000 mm	14'9" x 7'10" x 9'10"
Dimensions of discharge conveyor L x W x H	7,850 x 1,100 x 1,100 mm	25'9" x 3'7" x 3'7"

*1 = The maximum milling depth may deviate from the value indicated, due to tolerances and wear.

*2 = All weights refer to basic machine without any additional equipment.

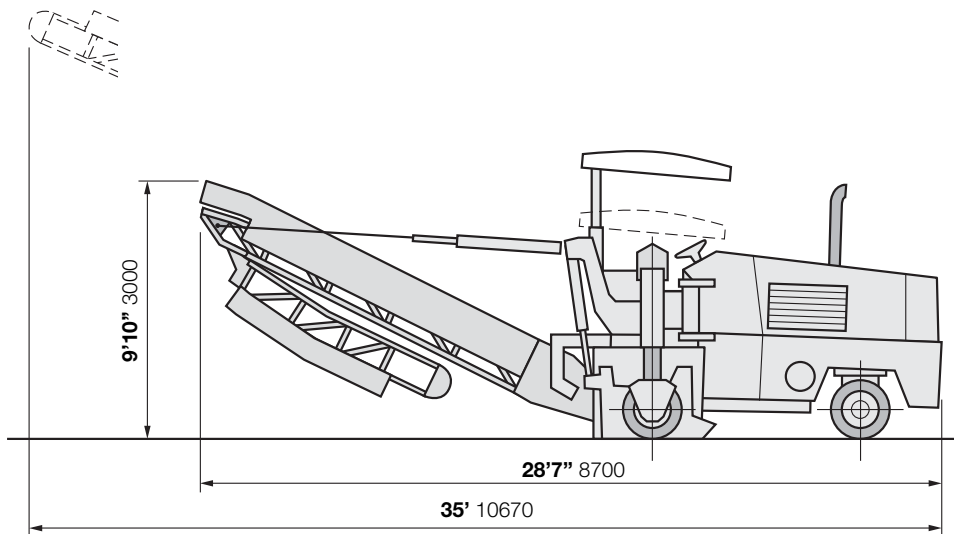
*3 = Weight of machine with half-full water tank, half-full fuel tank, driver (75 kg) and tools.

Dimensions in American standard and mm



Special equipment: hinged discharge conveyor

Dimensions in American standard and mm



Technical description

Basic design

Road milling machine with mechanically driven milling drum and rear loading conveyor system. The machine is equipped with permanent all-wheel drive.

Chassis

Robust welded construction with mounts for the individual function modules. The tanks for diesel fuel, hydraulic fluid and water are integrated into the chassis. The individual components are optimally arranged to ensure easy access for maintenance and service purposes.

Operator's platform

The walk-through operator's platform is located at the rear of the machine. The comfortable sitting position and the clear overview allow an easy operation of the machine. The modern operating elements are located within easy reach and within the driver's field of vision.

Drive unit

The machine is driven by a powerful six-cylinder diesel engine. A large cooling surface ensures troublefree operation even at high outside temperatures. The engine meets the stringent US exhaust standards (EPA II) as well as the EU exhaust standards.

Soundproofing

Noise levels are reduced by the standard soundproofing which also protects both the operators and the surroundings against any nuisance due to noise.

Milling drum drive

The milling drum is driven mechanically. A power belt acting on the drum mechanism ensures optimum transmission of the power. Constant tension of the power belts is automatically maintained.

Milling drum

The milling drum is located between the rear wheels and operates in an up-cutting direction. Toolholders accommodating the round-shank cutters are welded onto the drum body. The cutters are optimally arranged to ensure smooth operation of the machine. Spe-

cial edge segments ensure a clean sharp cut at the edges. The milling drum can also be equipped with the patented and established quick-change toolholder system HT3 Plus as an optional extra. In this case, the bottom part of the toolholder is welded to the drum body so that the flanks form a continuous delivery screw. The upper part, which accommodates the round-shank cutter, is simply inserted in the bottom part and locked in position by a retaining bolt.

Tool changes

The scraper blade opens hydraulically and permits easy access to the milling drum for tool changes.

Suspension

The rear wheels are suspended individually and designed as supporting wheels. The right-hand rear wheel can be manually swivelled in front of the milling drum to improve the side clearance. The front axle is suspended free-floating.

Travel drive

Each wheel is driven by a hydraulic motor. The travel drive motors are fed by a common hydraulic variable displacement pump. The travel speed can be infinitely varied from zero to maximum speed in both milling gears and in travel gear. A switchable differential lock ensures uniform traction.

Milling depth adjustment

The milling depth is set via hydraulic height adjustment of the rear suspensions. The suspensions can be conveniently adjusted from the driver's seat, where the set values can be monitored on large height indicators, even when the supporting wheel has been swung inwards. This feature permits simple and accurate production of wedged cuts.

Steering

The machine has a fingerlight hydraulic steering system. The front axle is steered and has a large steering lock.

Brake system

Braking is achieved by the selflocking

hydrostatic transmission. The road milling machine is additionally equipped with an automatic spring braking system in the transmission mechanisms.

Loading the RAP

The reclaimed asphalt pavement (RAP) is picked up by the integrated conveyor or directly from the milling drum and transferred to trucks via a wide loading conveyor. The loading conveyor can be adjusted in height and slewed to both sides. The loading conveyor is covered to prevent clouds of dust being blown away by the wind and causing a nuisance.

A scraper blade ensures that the RAP is taken up neatly. The scraper blade can be locked at the required height with variable contact pressure when milling right down to the gravel course. A long service life is ensured by carbide segments on the edges of the scraper blade.

Hydraulic system

The hydraulic systems for milling drum drive, travel drive, loading conveyor and adjustments are mutually independent with ultra-fine filter and coolers.

Electrical system

24 V electrical system with starter, 3-phase alternator and two 12 V batteries, as well as a socket outlet and horn.

Water spray system

The formation of dust clouds during the milling process is largely prevented by an electrically operated water spray system which also cools the round-shank cutters, thus considerably extending their service life. The spray nozzles can be removed without difficulty and cleaned.

Safety features and transport

The machine is equipped with sturdy lashing lugs for crane loading and securing the machine on a low-bed trailer. Easily accessible Emergency-OFF switches and extensive working and safety lights ensure that the machine can be operated safely.

○ Standard ● Optional

Equipment	Cold milling machine W 1000
Frame / operator's platform	
Footwell heating	○
Special painting	●
Canopy roof, manually retracted	●
Canopy roof, hydraulically retracted	●
Wing mirror right and left	●
Machine control / level control	
Automatic level control on the right	●
Automatic level control on the left	●
Slope control	●
Milling drum	
Quick-change tool holder system HT3 Plus	●
Hydraulic side plate lifters	●
RAP loading	
Variable discharge belt speed	●
Hydraulic hinged discharge conveyor	●
Miscellaneous	
Soundproofing	○
Working lights	○
Warning lights	○
Loading and lashing lugs	○
Comprehensive tool kit	○
Safety certificate by the employer's liability insurance association	○
Comprehensive safety package with Emergency-OFF switches	○
All-wheel drive and switchable differential lock	○
Preliminary air filter	○
CE-mark	○
Reversing horn	●
Towing device	●
Road traffic licence	●
Towing device for milling steep slopes	●
External hydraulic connection	●
Hydraulic hammer	●
Operation of the cold milling machine with organic hydraulic fluid	●



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