

Cold milling machine W 350

Technical specification



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	Cold milling machine W 350	
Milling width max.	14" 350 mm	
Milling depth *1	0-4" 0-100 mm	
Milling drum		
Tool spacing	1/2" 12 mm	
Number of tools	38	
Drum diameter with tools	18" 460 mm	
Diameter of the milling drum	13" 318 mm	
Drum inclination, max.	7°	
Engine		
Manufacturer	KHD	
Type	F 4 L 1011 F	
Cooling	Air / Oil	
Number of cylinders	4	
Output	35 kW / 47 HP / 48 PS	
Engine speed	2,300 min ⁻¹	
Displacement	167 in³ 2,732 cm ³	
Fuel consumption, 1/1 load	2.3 gal/h 8.6 l/h	
Fuel consumption, 2/3 load	1.5 gal/h 5.7 l/h	
Speed/gradeability		
1 st gear	0-20 m/min	
2 nd gear	0-5 km/h	
Theoretical gradeability in 1 st gear	50 %	
Theoretical gradeability in 2 nd gear	15 %	
Ground clearance	130 mm	
Weights *2	complete	without additional weights
Front axle load, full tanks	5,181 lbs / 2,350 daN (kg)	3,638 lbs / 1.650 daN (kg)
Rear axle load, full tanks	4,850 lbs / 2,200 daN (kg)	3,417 lbs / 1.550 daN (kg)
Own weight	9,039 lbs / 4,100 daN (kg)	6,173 lbs / 2.800 daN (kg)
Operating weight, CE *3	9,700 lbs / 4,400 daN (kg)	6,834 lbs / 3.100 daN (kg)
Operating weight, full tanks	10,031 lbs / 4,550 daN (kg)	7,055 lbs / 3.200 daN (kg)
Tyres		
Type	Solid rubber	
Tyre size, front	22" x 10" / Ø 560 x 254 mm	
Tyre size, rear	16" x 5" / Ø 405 x 130 mm	
Tank capacities		
Fuel tank	17.2 gal / 65 l	
Hydraulic fluid tank	15.9 gal / 60 l	
Water tank	66 gal / 250 l	
Electrical system	24 V	
Shipping dimensions (L x W x H)	9'2" x 3'11" x 6'3" 2,800x1,200x1,900 mm	

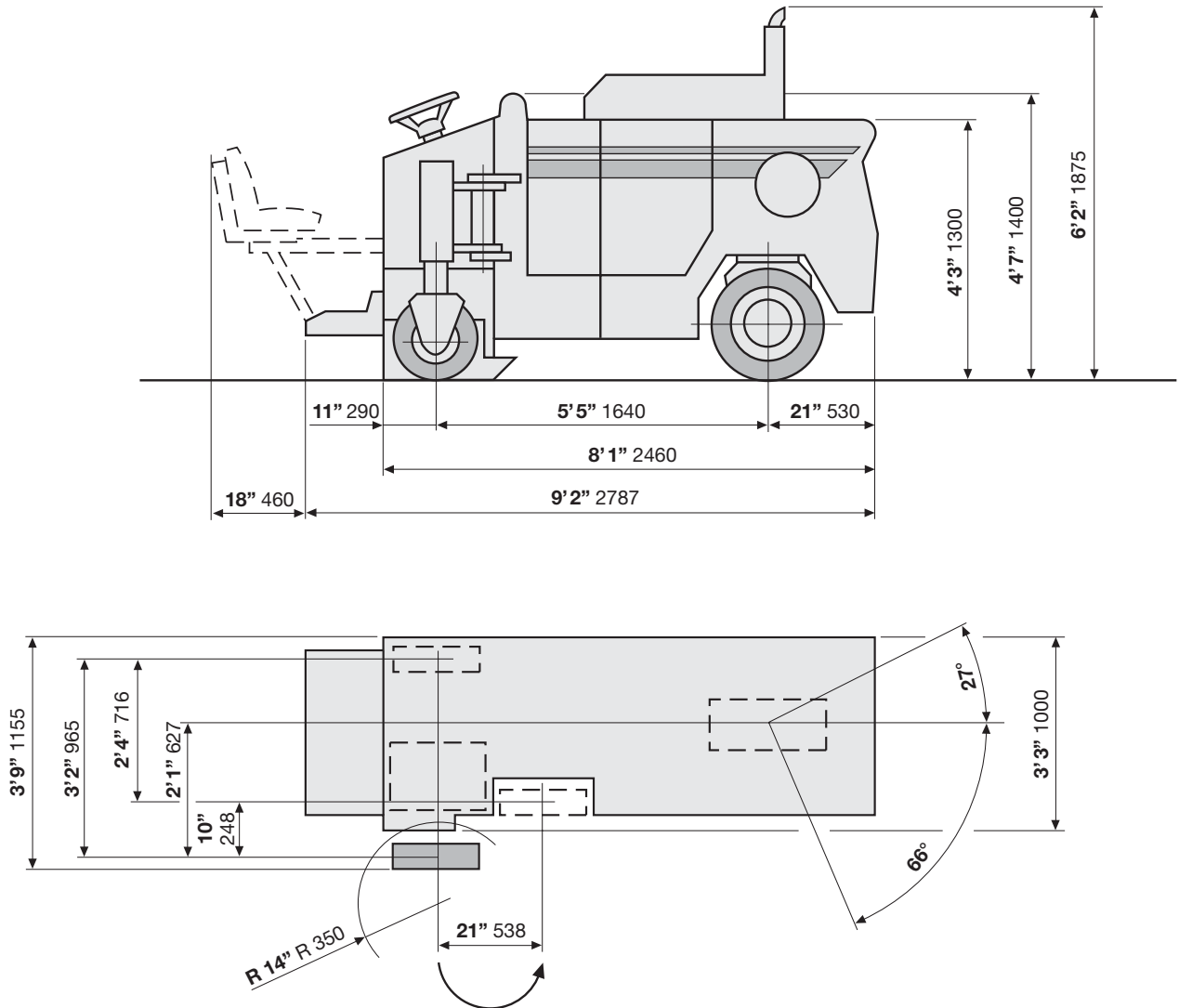
*1 = The maximum milling depth may deviate from the value indicated, due to tolerances and wear.

*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.

Technical description

Dimensions in American standard and mm



Basic design

Compact three-wheeled machine with front-wheel drive and mechanical milling drum drive.

Chassis

Robust welded structure with mounts for the individual units and superstructures, as well as integrated tanks for hydraulic fluid and water. All components are readily accessible for maintenance and servicing.

Supplementary weights in the chassis (total approx. 1,350 kg) can be removed individually for milling inside buildings with floors of limited load-bearing ca-

capacity. Some of the weights are mounted in a system of "drawers" for individual removal.

Operator's stand

The operator's stand is located at the rear of the machine. The standard step with safety cutout can optionally be supplemented to include a seat for the driver. The controls are conveniently located within easy reach.

Drive unit

The machine is driven by a 4-cylinder diesel engine meeting the stringent emission standards in force in the USA.

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

The milling drum is located on the right-hand side of the machine and works in an up-milling direction. Toolholders accommodating the round-shank cutters are welded onto the body of the drum. Several different milling drums are available for special jobs, such as for removing road markings.

Tool changes

The milling drum can easily be reached for tool changes via a drum door which opens wide with automatic safety cutout for the engine.

Suspension

The rear wheels are designed as supporting wheels with individual suspension. The right-hand rear wheel can be swivelled in front of the milling drum to improve the side clearance.

Travel drive

The front wheel is driven by a hydraulic motor. The rate of advance can be infinitely varied in both gears.

Steering

The machine is equipped with a finger-light hydraulic steering system.

Brake system

Braking is achieved by drag from the hydrostatic travel drive (closed circuit). The machine is additionally equipped with an automatic spring braking system in the travel drive.

Milling depth adjustment

The milling depth is adjusted via the hydraulic height adjustment units at the rear. The set values can be read off on scales on the right and left.

Hydraulic system

Separate hydraulic systems for travel drive and control functions with ultrafine filters and coolers.

Electrical system

24 V system with 3-phase alternator and two 12 V batteries, starter, socket outlet and acoustic horn, readily accessible Emergency OFF switch and complete working lights.

Water spray system

The system sprays water into the milling drum chamber. This largely avoids the amount of dust generated and reduces the cutter wear. The spray nozzles can be removed without difficulty for cleaning.

Safety during transport

Safe retaining lugs for securing the machine on a low-bed trailer or for loading the machine by crane.

○ Standard ● Optional

Equipment	Cold milling machine W 350
Frame/operator's platform	
Special painting	●
Driver's seat	●
Removable supplementary weights (approx. 1,350 kg)	○
Maintenance/transport	
Loading and lashing lugs	○
Comprehensive tool kit	○
Towing device	●
Trailer for transporting the machine	●
Milling unit	
Side mounted milling wheels	●
Saw blade (milling width 14 mm and 19 mm)	●
Device for cutting tram track groove profiles	●
Milling unit, milling width 50 cm	●
Miscellaneous	
Hydraulic connection for hydraulic hammer	●
Hydraulic hammer	●
Operation of the cold milling machine with biodegradable hydraulic fluid	●
Reversing horn	●
Working and warning lights	○
Soundproofing	○
Safety certificate by the employer's liability insurance association	○
Integral soot filter	●



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