



Technical specification

Electric cold milling machine W 350 E

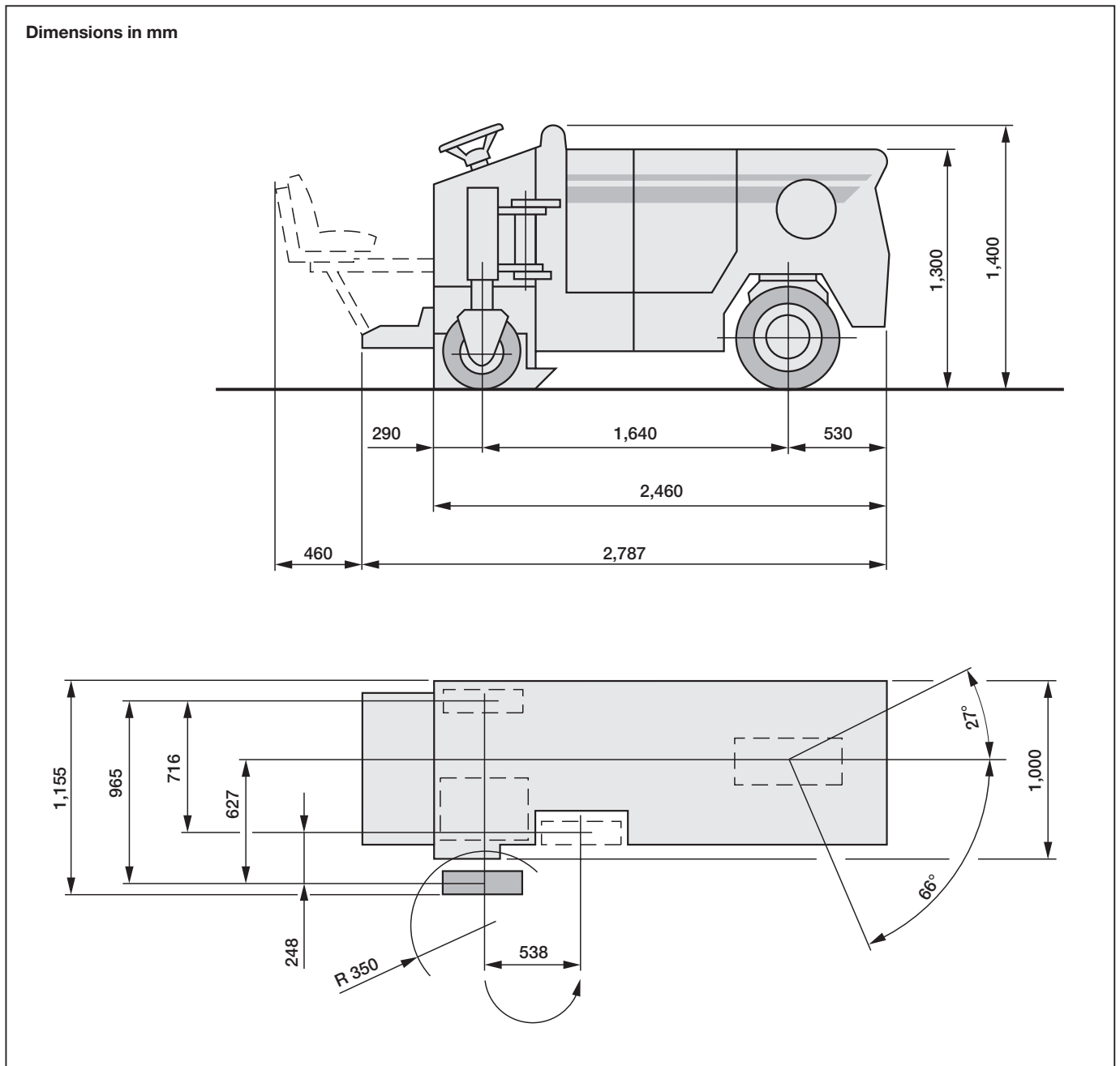


Electric cold milling machine W 350 E		
Milling width max.	350 mm	
Milling depth*¹	0–100 mm	
Milling drum		
Tool spacing	12 mm	
Number of tools	38	
Drum diameter with tools	460 mm	
Diameter of the milling drum	318 mm	
Drum inclination, max.	7°	
Engine	Travel drive	Milling drum drive
Manufacturer	SEW	SEW
Type	3-phase motor	3-phase motor
Cooling	Air	Air
Output	7.5 kW	22 kW
Engine speed	1,430 min ⁻¹	1,465 min ⁻¹
Speed / gradeability		
1 st drive level	0–20 m/min	
2 nd drive level	0–5 km/h	
Theoretical gradeability in 1 st drive level	50 %	
Theoretical gradeability in 2 nd drive level	15 %	
Ground clearance	130 mm	
Weights*²	complete	without additional weights
Front axle load, full tanks	2,325 daN (kg)	1,625 daN (kg)
Rear axle load, full tanks	2,175 daN (kg)	1,525 daN (kg)
Own weight	4,100 daN (kg)	2,800 daN (kg)
Operating weight, CE* ³	4,400 daN (kg)	3,100 daN (kg)
Operating weight, full tanks	4,500 daN (kg)	3,150 daN (kg)
Tyres		
Type	Solid rubber	
Tyre size, front (Ø x W)	560 x 254 mm	
Tyre size, rear (Ø x W)	405 x 130 mm	
Tank capacities		
Fuel tank	60 l	
Water tank	250 l	
Electrical system		
Voltage	400 / 24 V	
Full-load current	63 A	
Protective system	IP 55	
Shipping dimensions		
Shipping dimensions of machine (L x W x H)	2,800 x 1,155 x 1,400 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, driver (75 kg) and tools.



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 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 has two 3-phase motors, one of which drives the milling drum via power belts. The other drives all hydraulic pumps, including the travel drive. The motors operate independently of one another.

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, e.g. for removing 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 all drive levels.

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, 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.



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