



Technical specification

Cold recycler and soil stabilizer WR 240/WR 240i

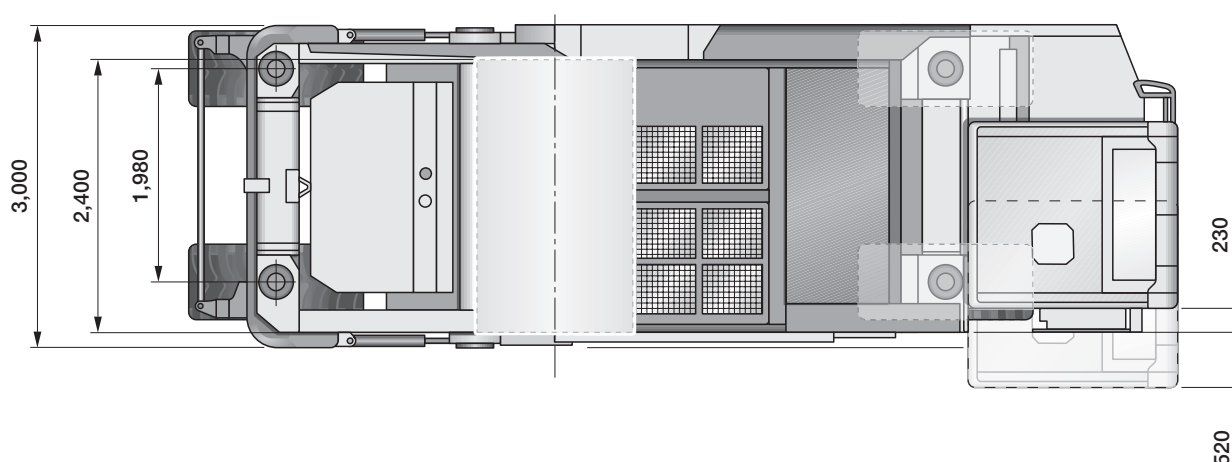
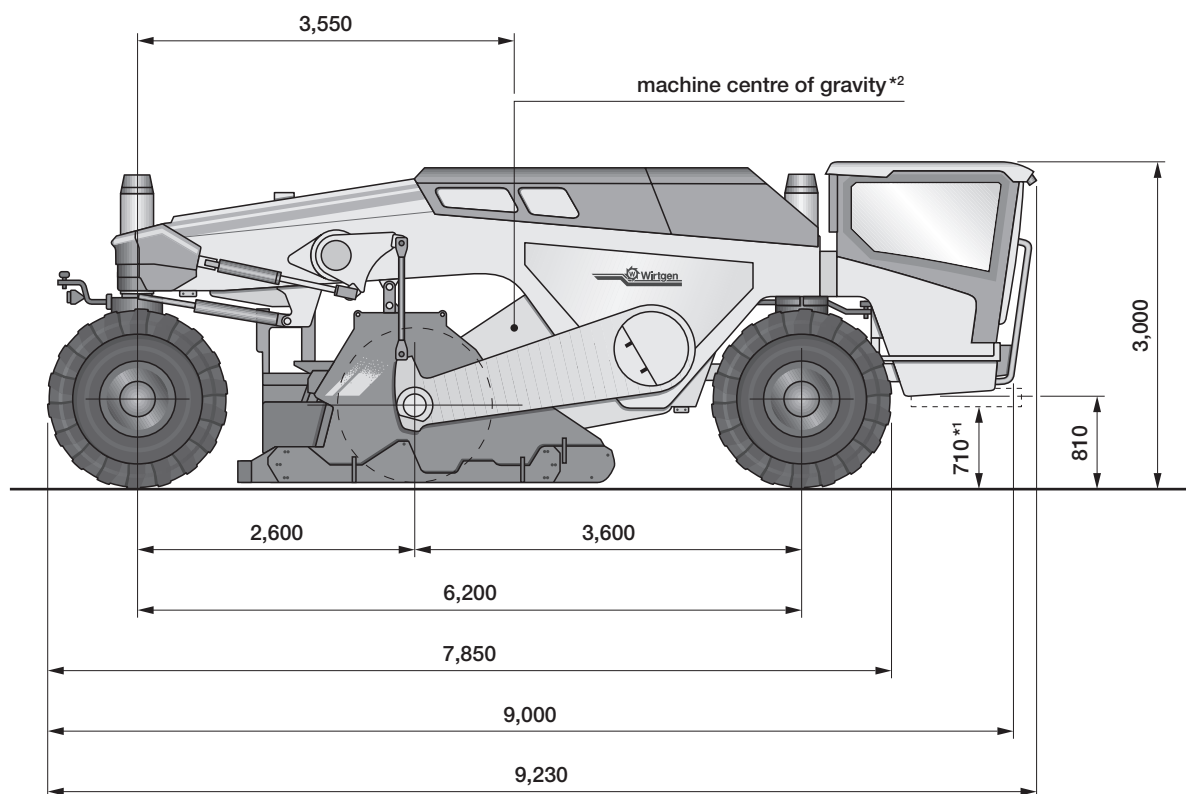


Technical specification

	Cold recycler and soil stabilizer WR 240/WR 240i	
Working width (max.)	2,400 mm	
Working depth *	0-510 mm	
Milling and mixing rotor		
Tool spacing	20 mm	
Number of tools	170	
Drum diameter with tools	1,480 mm	
Engine	WR 240	WR 240i
Manufacturer	Cummins	
Type	QSX 15	
Cooling	Water	
Number of cylinders	6	
Rated power at 2,100 min ⁻¹	447 kW/600 HP/608 PS	433 kW/580 HP/589 PS
Maximum power	at 1,900 min ⁻¹ : 455 kW/610 HP/619 PS	at 1,800 min ⁻¹ : 447 kW/600 HP/608 PS
Displacement	15 l	
Fuel consumption	120 l/h	118 l/h
Fuel consumption in field mix	60 l/h	60 l/h
Emission standards	EU Stage 3a / US Tier 3	EU Stage 3b / US Tier 4i
Electrical system	24 V	
Filling capacities		
Fuel tank	1,500 l	
Hydraulic fluid tank	320 l	
Water tank	500 l	
Driving properties		
Travel speed in milling and travel gear	0-200 m/min (12 km/h)	
Transversal inclination, max	8 °	
Ground clearance	approx. 400 mm	
Tyres		
Tyre size, front/rear	28L - 26	
Shipping dimensions		
Truck transport dimensions (L x W x H)	9,230 x 3,000 x 3,000 mm	
Ocean transport dimensions (L x W x H)	9,400 x 3,200 x 3,200 mm	

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

Dimensions in mm



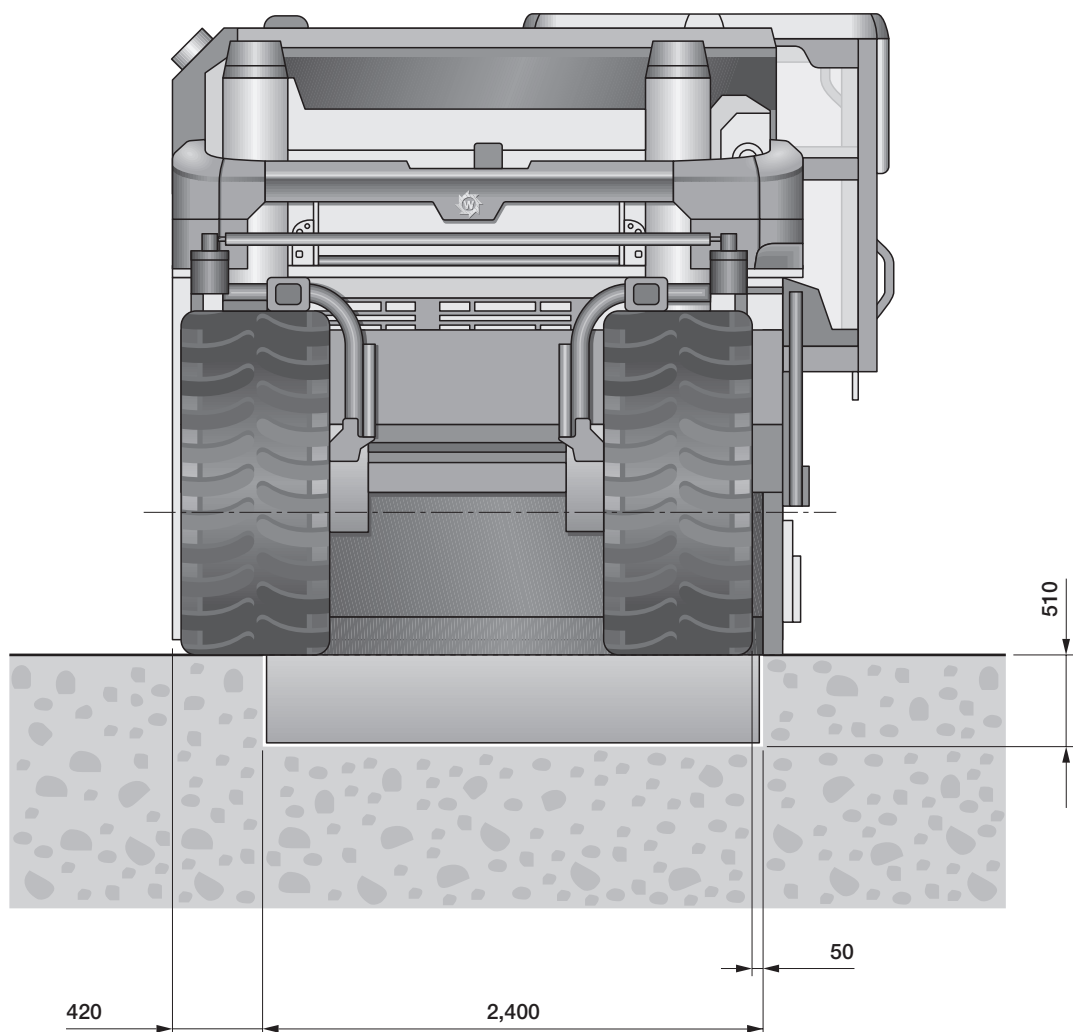
*¹ = with injection system

*² = based on operating weight, CE

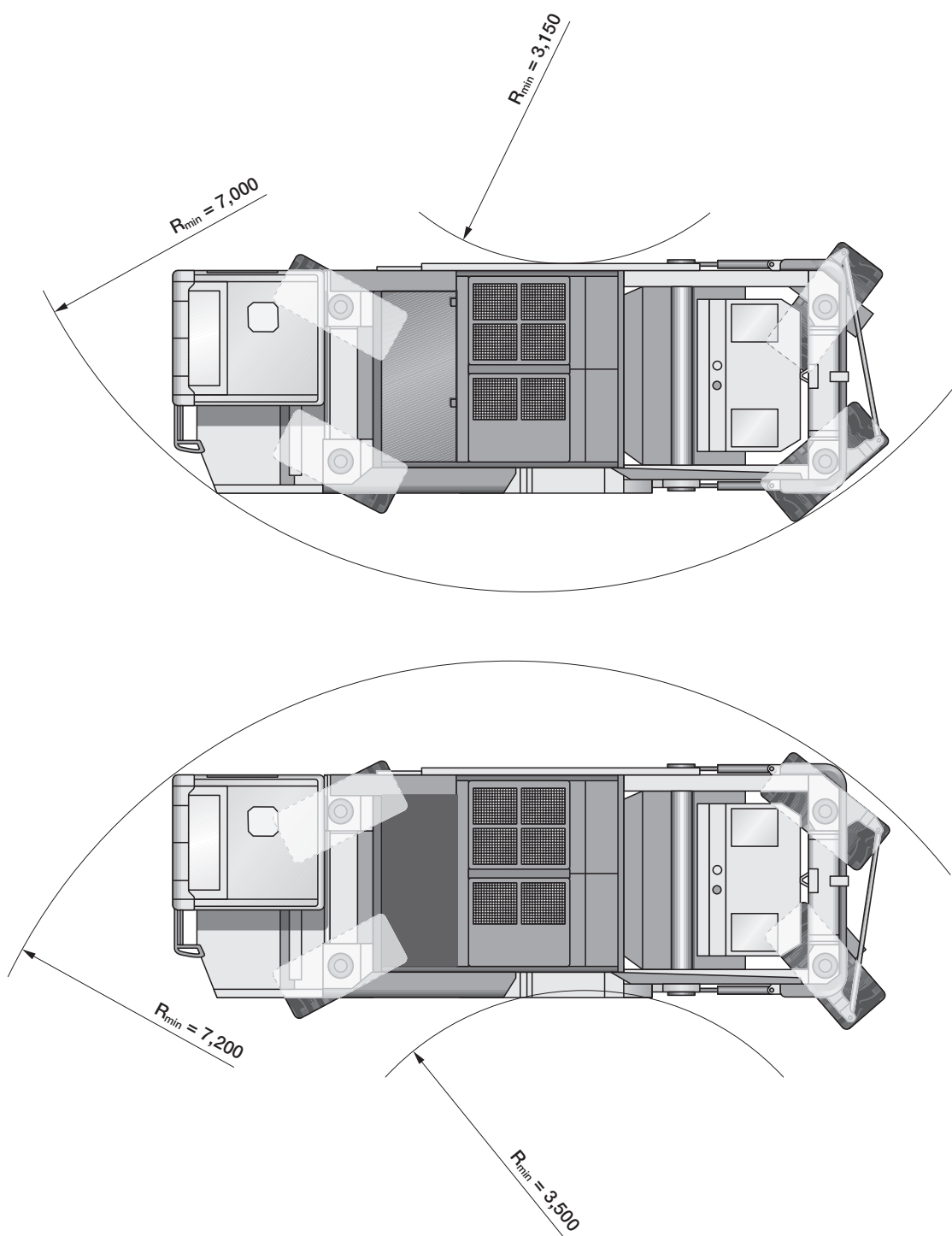
	Machine weights WR 240 and WR 240i
Empty weight of machine in standard design without filling media	28,400 kg
Operating weight, CE *	29,400 kg
Operating weight, max. (full tanks, full range of equipment) with ESP foamed bitumen	32,000 kg
	Weights of filling media
Water tank filling in kg	500 kg
Diesel tank filling in kg (0.83 kg/l)	1,245 kg
	Optional equipment features increasing / reducing empty weight
Optional additional equipment	
Single ESP: Injection system for water or bitumen emulsion	380 kg
Dual ESP: Injection system for water and bitumen emulsion	710 kg
ESP foamed bitumen: Injection system for water and foamed bitumen	1,400 kg
ESP 1800 L: Injection system for water, 1,800 l/min	350 kg
Additional water tank (empty)	440 kg
Additional water tank filling in kg	950 kg

* = Machine in standard design, half-full water tank, half-full fuel tank, driver (75 kg), on-board tools.

Rear view of WR 240 and WR 240i
Dimensions in mm



Turning radius of WR 240 and WR 240i
Dimensions in mm



Equipment features of cold recycler and soil stabilizer WR 240 /WR 240i

Standard equipment:

Basic machine with engine

- Machine frame offering free view of the milling edge, right
- Integrated water tank
- Right-hand wheels within the milling width
- Diesel engine – power control unit
- Cooling system with temperature-governed fan speed
- Lockable, soundproof engine cowl
- Ample storage space for cutting tool containers
- Air compressor system
- Standard painting in Wirtgen white with orange stripes

Milling and mixing unit

- Mechanical rotor drive via power belt and automatic belt tensioner
- Variable cutting speed by combining three selectable engine speeds and three adjustable belt pulley arrangements
- Power control during initiation of the milling process
- Down-milling or up-milling option depending on the working direction
- Hydraulically adjustable crusher bar
- Hydraulically adjustable scraper blade
- Continuous hydraulic raising and lowering of the milling rotor
- Variable mixing chamber

Milling and mixing rotor

- Standard milling and mixing rotor, milling width 2,400 mm, HT11 quick-change toolholder system, tool spacing 20 mm, tool shank diameter 22 mm
- Replaceable edge ring segments

Injection system

- Excluding injection system
- Rotor housing openings closed by means of cover panels

Machine control and levelling system

- Multifunctional colour control screen displaying major machine operation parameters
- Comprehensive diagnostic system included in colour control screen
- Electronic cross slope control for machine levelling
- Programmable automatic lowering and raising of the milling and mixing rotor to start or stop the milling process
- Automatic functions for increased machine operator comfort

Operator's platform

- Anti-vibration mounted comfort operator's cabin
- ROPS and FOPS integrated in cabin frame
- Windows with integrated windscreen wipers for an optimal view of work areas
- Cabin can be moved out over the right side of the machine
- Reversing camera with graphical reverse assist
- Rear view image is automatically displayed on colour screen during reversing
- Operator's stand can be swivelled about 90 degrees
- Heating system and roof hatch
- Various storage and shelving options
- 12-volt and 24-volt sockets
- Fold-up access to operator's platform
- Working lights integrated in cabin roof
- Mirrors in the front section of the machine

Chassis and height adjustment

- Continuously adjustable hydraulic all-wheel drive
- Four-fold full-floating axle for high machine stability
- All-wheel steering with various steering modes

Miscellaneous

- Lighting package with 14 halogen working lights
- Comprehensive safety package with emergency stop switches
- Comprehensive toolkit with lockable toolbox
- European design type certification, GS mark (Geprüfte Sicherheit = Tested Safety) and CE conformity
- Warranty of 12 months or 1,000 engine operating hours
- Machine commissioning by qualified personnel

Optional equipment:

Basic machine with engine

- Special painting in one, two or several colours
- Electrically operated diesel refuelling pump
- "Wiggins" quick-filling system for diesel refuelling
- Hydraulically operated high-pressure water cleaner, 190 bar
- Battery-operated hydraulic module for emergency functions, milling drum turning device and cutting tool extractor

Milling and mixing unit

- Drum turning device for cutting tool replacement
- Pneumatic cutting tool driver and extractor
- Hydraulically operated cutting tool extractor

Milling and mixing rotor

- Milling and mixing rotor, milling width 2,400 mm, HT11 quick-change toolholder system, tool spacing 20 mm, tool shank diameter 25 mm

Injection system

- Single ESP: Injection system for water or bitumen emulsion
- Dual ESP: Injection system for water and bitumen emulsion
- ESP foamed bitumen: Injection system for water and foamed bitumen
- ESP 1800 L: Injection system for water, 1,800 l/min
- Additional water tank (950 l) to increase storage capacity for foamed bitumen production
- Suction hose for water or bitumen emulsion connecting machine and tanker truck
- Suction hose for hot bitumen connecting machine and bitumen tanker truck
- Slurry pipe to transport slurry from the WM 1000 to the injection bar
- Additional push bar

Machine control and levelling system

- Screen system including 3 additional cameras and display on additional screen

Operator's platform

- Air-conditioning system with automatic climate control integrated in roof lining
- Radio system with CD/MP3/USB/Bluetooth and two loudspeakers
- Job data printer to keep a log of binder consumption and area performance

Miscellaneous

- Lighting package with 8 halogen and 6 Xenon working lights



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