

# Technical specifications

W 100 XFi | W 120 XFi | W 130 XFi

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	W 100 XFi	W 120 XFi	W 130 XFi
<b>Milling Drum</b>			
Milling width	3 ft 3 in (1,000 mm)	3 ft 11 in (1,200 mm)	4 ft 3 in (1,300 mm)
Milling depth *1	0 to 11.8 in (0 to 330 mm)		
Cutting diameter	3 ft 3 in (980 mm)		
<b>Engine</b>			
Manufacturer	CUMMINS		
Type	QSL 9		
Cooling	Wasser		
Number of cylinders	6		
Rated power at 2,100 rpm	248 kW/333 HP/337 PS		
Maximum power at 1,900 rpm	257 kW/345 HP/350 PS		
Displacement	2.4 gal/h (8.9 l)		
Fuel consumption at rated power   at a mixture of job site operations	17.7 gal/h (67 l/h)   7.1 gal/h (27 l/h)		
Sound power level in accordance with DIN EN 500-2 engine   operator's platform	≤ 103 dB(A)   ≥ 80 dB(A)		
Emissions standard	US EPA Tier 4f		
<b>Electrical System</b>			
Power supply	24 V		
<b>Tank Capacities</b>			
Fuel	161.1 gal (610 l)		
AdBlue® *2/DEF	9.2 gal (35 l)		
Hydraulic fluid	34.3 gal (130 l)		
Water	369.8 gal (1,400 l)	422.7 gal (1,600 l)	422.7 gal (1,600 l)
<b>Driving Performance</b>			
Max. milling speed	0 to 141 ft/min (1.6 mph) ( 0 to 43 m/min (2,6 km/h))		
Max. speed on tracks	0 to 318 ft/min (3.6 mph) (0 to 97 m/min (5,8 km/h))		
<b>Track Units</b>			
Track chains front/back (L x W x H)	4 ft 4 in x 10.2 in x 1 ft 10 in (1,330 x 260 x 550 mm)		
<b>Loading of Milled Material</b>			
Belt width of primary conveyor	2 ft 2 in (650 mm)		
Belt width of discharge conveyor	2 ft (600 mm)		
Theoretical capacity of discharge conveyor	230.2 yd <sup>3</sup> /h (176 m <sup>3</sup> /h)		

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

\*2 = AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)

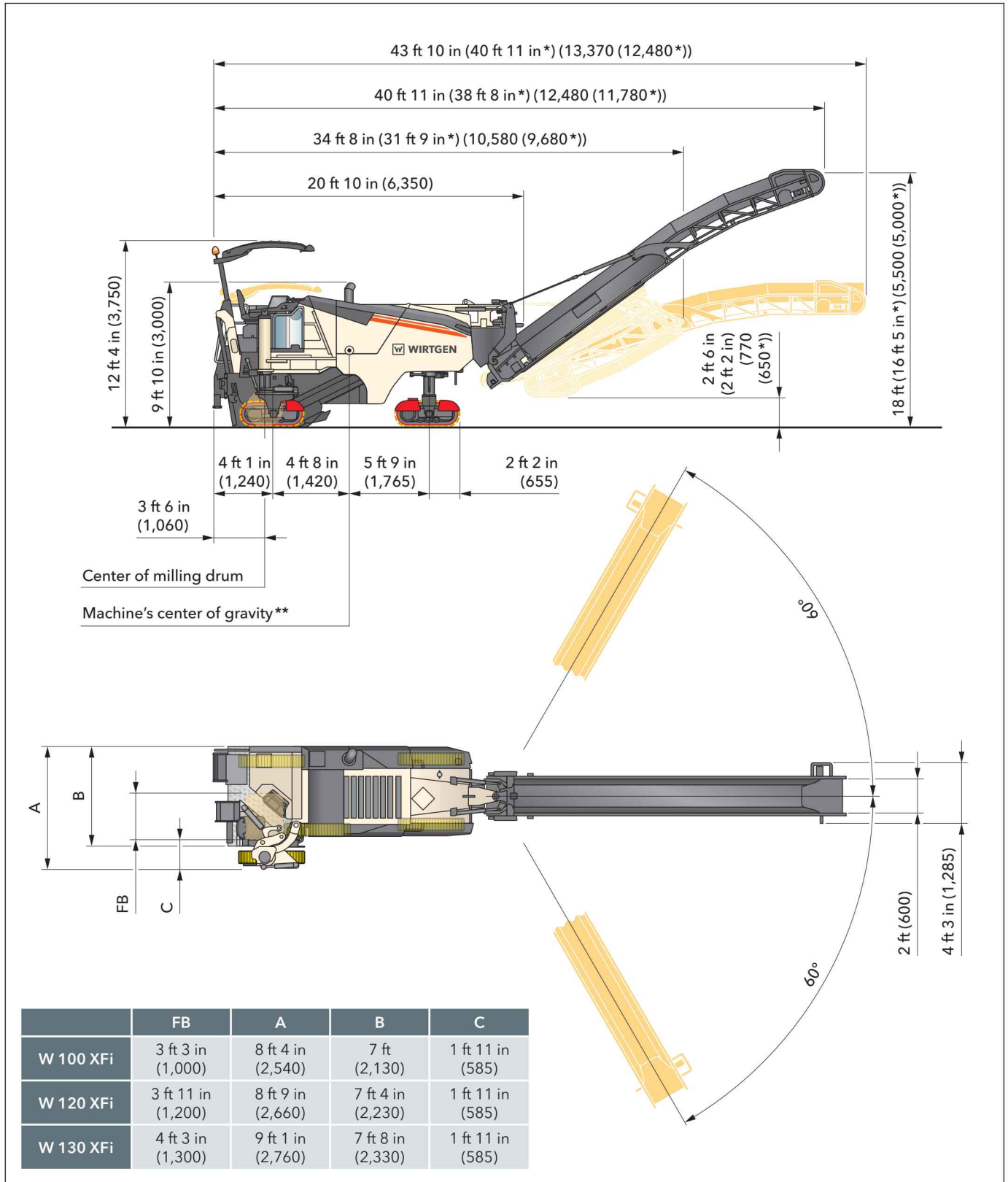
	W 100 XFi	W 120 XFi	W 130 XFi
<b>Weight of Standard Machine</b>			
Empty weight of machine without fluids	19,800 kg	20,700 kg	21,100 kg
Operating weight, CE*1	20,900 kg	21,900 kg	22,300 kg
Maximum operating weight (full tanks, full range of equipment)	24,700 kg	25,950 kg	26,550 kg
<b>Weight of Tank Contents</b>			
Water	1,400 kg	1,600 kg	1,600 kg
Fuel (0.83 kg/l)		506 kg	
AdBlue®/DEF (1.1 kg/l)*2		38.5 kg	
<b>Additional Weight</b>			
<b>Operator and Tools</b>			
Machine operator		75 kg	
5 pick containers		125 kg	
Vehicle tool kit		30 kg	
<b>Optional Milling Drum Units Instead of Standard</b>			
FB1000 FCS milling drum housing	280 kg	-	-
FB1200 FCS milling drum housing	-	330 kg	-
FB1300 FCS milling drum housing	-	-	370 kg
FB1000 FCS tandem scraper	180 kg	-	-
FB1200 FCS tandem scraper	-	210 kg	-
FB1300 FCS tandem scraper	-	-	225 kg
<b>Optional Milling Drums Instead of Standard</b>			
FB1000 FCS milling drum, <b>HT22</b> LA15 with 99 picks	-80 kg	-	-
FB1200 FCS milling drum, <b>HT22</b> LA15 with 115 picks	-	-80 kg	-
FB1300 FCS milling drum, <b>HT22</b> LA15 with 121 picks	-	-	-80 kg
FB1000 FCS milling drum, <b>HT22</b> LA8 with 149 picks	155 kg	-	-
FB1200 FCS milling drum, <b>HT22</b> LA8 with 174 picks	-	200 kg	-
FB1300 FCS milling drum, <b>HT22</b> LA8 with 185 picks	-	-	225 kg
FB1000 FCS milling drum, <b>HT5</b> LA6X2 with 340 picks	100 kg	-	-
FB1200 FCS milling drum, <b>HT5</b> LA6X2 with 410 picks	-	150 kg	-
FB1300 FCS milling drum, <b>HT5</b> LA6X2 with 444 picks	-	-	170 kg
<b>Optional Additional Equipment</b>			
Hydraulically lowering weather canopy instead of standard		200 kg	
Short discharge conveyor in hydraulic folding design, 23 ft 9 in (7,250 mm) long with 2 ft (600 mm) wide belt, instead of standard		-45 kg	
VCS extraction system		125 kg	
Additional weights that can be used as required	400 kg	515 kg	515 kg

\*1 = Machine weight, half-full tanks, vehicle tool kits, machine operator, excluding optional equipment

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# Dimensions

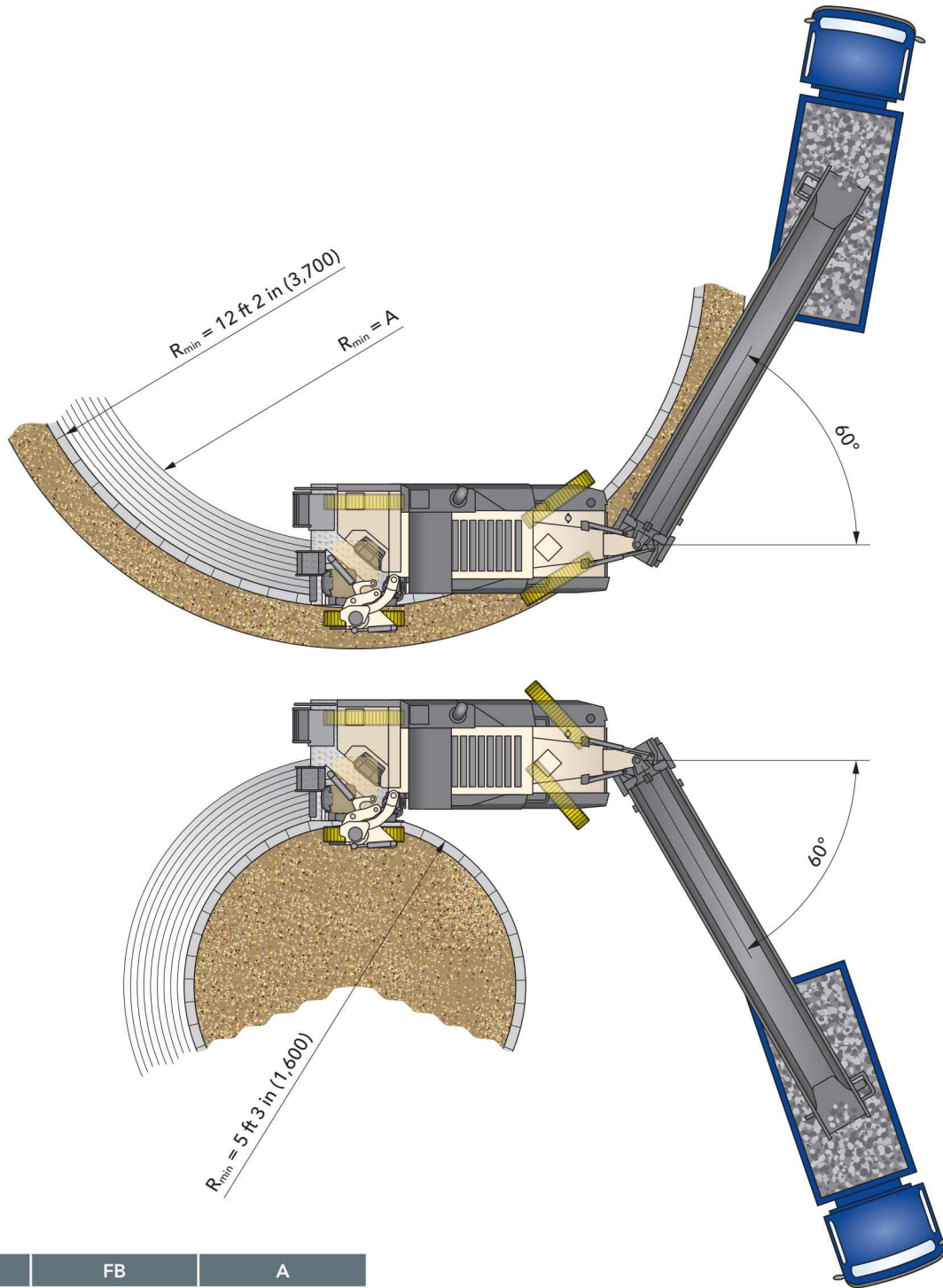
W 100 XFi | W 120 XFi | W 130 XFi



Cold milling machine in tracked design, dimensions in American standard and mm

\* = Short discharge conveyor in folding design

\*\* = Based on operating weight, CE with conveyor folded out



	FB	A
W 100 XFi	3 ft 3 in (1,000)	8 ft 10 in (2,700)
W 120 XFi	3 ft 11 in (1,200)	8 ft 2 in (2,500)
W 130 XFi	4 ft 3 in (1,300)	8 ft 2 in (2,500)

Milling radius, milling depth 5.9 in (150 mm), dimensions in American standard and mm

# Standard equipment

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	W 100 XFi	W 120 XFi	W 130 XFi
<b>Base machine</b>			
Base machine with engine	■	■	■
Mechanically opening engine cover with noise insulation	■	■	■
Radiator with temperature-dependent fan speed	■	■	■
Highly effective noise insulation throughout the engine compartment	■	■	■
Automatic engine speed control depending on driving situation	■	■	■
Elastically mounted engine station with low vibration and low noise	■	■	■
Diesel oxidation catalyst (DOC) for exhaust aftertreatment	□	□	□
<b>Milling drum unit</b>			
The right-hand side of the milling drum housing can be easily opened for maintenance or drum replacement	■	■	■
Hydraulically operated scraper with mechanical locking	■	■	■
FB1000 milling drum housing	□	–	–
FB1200 milling drum housing	–	□	–
FB1300 milling drum housing	–	–	□
<b>Milling drums</b>			
FB1000 milling drum, <b>HT22</b> LA15 with 99 picks	□	–	–
FB1200 milling drum, <b>HT22</b> LA15 with 115 picks	–	□	–
FB1300 milling drum, <b>HT22</b> LA15 with 121 picks	–	–	□
<b>Loading of milled material</b>			
Discharge conveyor slewing angle: 60 degrees left - 60 degrees right	■	■	■
Hydraulically foldable discharge conveyor with two slewing speeds, including adjustable conveyor speed for precise loading	■	■	■
Machine with hydraulic standard coupling for the discharge conveyor	□	□	□
Discharge conveyor, 26 ft 9 in (8,150 mm) long, 2 ft (600 mm) wide, with hydraulic folding device	□	□	□
<b>Machine control and leveling</b>			
Digital milling depth indicator on machine control panel	■	■	■
<b>LEVEL PRO PLUS</b> leveling system right and left	■	■	■
RAPID SLOPE cross-slope sensor for <b>LEVEL PRO PLUS</b> leveling system	■	■	■
Precise machine height adjustment in increments of 1 or 5 mm via the machine's main control panel	■	■	■
Digital load control, can be engaged manually, hydraulic differential lock (via flow divider)	■	■	■

- = Standard equipment
- = Standard equipment, can be replaced with optional equipment if desired
- = Optional equipment

	W 100 XFi	W 120 XFi	W 130 XFi
<b>Operator's platform</b>			
Hydraulically extendable operator's platform for optimum view of the working area	■	■	■
Steering console with adjustable height and tilt to ideally adapt the platform to the operator's needs	■	■	■
Streamlined machine design allows a clear view of the milled edge and the working area in front of the milling drum on the right	■	■	■
Easy access to the operator's platform with night lighting and particularly low lower ladder rung	■	■	■
Heavy-duty vandalism protection for the controls	■	■	■
Mirror package consisting of front left and right rear-view mirrors and a forward-facing mirror to the left of the operator's platform	■	■	■
Reversing horn with clearly audible signal	■	■	■
Illuminated control panel/night design	■	■	■
Scraper height indicator on control panel	■	■	■
Standard operator's seat	□	□	□
<b>Track unit and height adjustment</b>			
Dual-speed hydraulic height adjustment of front and rear track units	■	■	■
4 motorized crawler units	■	■	■
<b>Miscellaneous</b>			
Large tool package	■	■	■
Towing device	■	■	■
Large water and diesel tank	■	■	■
Comprehensive safety package with several EMERGENCY STOP switches	■	■	■
Machine pre-equipped for installation of WITOS FleetView control unit	■	■	■
European type certification, EuroTest mark and CE conformity	■	■	■
RAL 9001 Cream paint standard	□	□	□
WITOS FleetView (MF1, 3G) - professional telematics solution for machine operation and service optimization	□	□	□
Halogen/LED lighting package including rotating beacon	□	□	□

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# Optional equipment

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	W 100 XFi	W 120 XFi	W 130 XFi
<b>Base machine</b>			
Diesel oxidation catalyst (DOC) with diesel particulate filter (DPF) for exhaust aftertreatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Milling drum unit</b>			
FB1000 FCS milling drum housing	<input type="checkbox"/>	–	–
FB1200 FCS milling drum housing	–	<input type="checkbox"/>	–
FB1300 FCS milling drum housing	–	–	<input type="checkbox"/>
Prepared for deep milling unit with all required connections	<input type="checkbox"/>	–	–
Base unit for externally mounted deep milling unit, including drive shaft and side plate with bearings	<input type="checkbox"/>	–	–
FB100, FT600 milling unit, including cover panel and scraper	<input type="checkbox"/>	–	–
FB200, FT600 milling unit, including cover panel and scraper	<input type="checkbox"/>	–	–
<b>Milling drums</b>			
FB1000 FCS milling drum, <b>HT22</b> LA15 with 99 picks	<input type="checkbox"/>	–	–
FB1200 FCS milling drum, <b>HT22</b> LA15 with 112 picks	–	<input type="checkbox"/>	–
FB1300 FCS milling drum, <b>HT22</b> LA15 with 121 picks	–	–	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT22</b> LA18 with 84 picks	<input type="checkbox"/>	–	–
FB1200 FCS milling drum, <b>HT22</b> LA18 with 100 picks	–	<input type="checkbox"/>	–
FB1300 FCS milling drum, <b>HT22</b> LA18 with 107 picks	–	–	<input type="checkbox"/>
FB1000 FCS tandem scraper	<input type="checkbox"/>	–	–
FB1200 FCS tandem scraper	–	<input type="checkbox"/>	–
FB1300 FCS tandem scraper	–	–	<input type="checkbox"/>
FB300 FCS-milling unit, <b>HT22</b> LA12 with 61 picks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB500 FCS-milling unit, <b>HT22</b> LA15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB600 FCS-milling unit, <b>HT22</b> LA12 with 80 picks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB900 FCS-milling unit, <b>HT22</b> LA15 with 102 picks		<input type="checkbox"/>	<input type="checkbox"/>
Kit for moving the FCS milling drum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT22</b> LA8 with 149 picks	<input type="checkbox"/>	–	–
FB1200 FCS milling drum, <b>HT22</b> LA8 with 174 picks	–	<input type="checkbox"/>	–
FB1300 FCS milling drum, <b>HT22</b> LA8 with 185 picks	–	–	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT5</b> LA6X2 with 340 picks	<input type="checkbox"/>	–	–
FB1200 FCS milling drum, <b>HT5</b> LA6X2 with 410 picks	–	<input type="checkbox"/>	–
FB1300 FCS milling drum, <b>HT5</b> LA6X2 with 444 picks	–	–	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT22</b> LA25 with 83 picks	<input type="checkbox"/>	–	–
FB1200 FCS milling drum, <b>HT22</b> LA25 with 87 picks	–	<input type="checkbox"/>	–
FB1300 FCS milling drum, <b>HT22</b> LA25 with 91 picks	–	–	<input type="checkbox"/>
<b>Loading of milled material</b>			
Machine with hydraulic quick-release coupling for the discharge conveyor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shortened discharge conveyor, 23 ft 9 in (7,250 mm) long with 2 ft (600 mm) wide belt, with hydraulic folding device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VCS extraction system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional storage compartment on discharge conveyor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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<b>Machine control and leveling</b>			
Precision steering via push buttons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overload sensor on FB1000 scraper	<input type="checkbox"/>	—	—
Overload sensor on FB1200 scraper	—	<input type="checkbox"/>	—
Overload sensor on FB1300 scraper	—	—	<input type="checkbox"/>
Active floating position on side plates, right and left	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SONIC SKI sensor for <b>LEVEL PRO PLUS</b> leveling system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiplex 3-way, right, with 2 ultrasonic sensors (FB1000/FB1200)	<input type="checkbox"/>	<input type="checkbox"/>	—
Multiplex 3-way, right, with 2 ultrasonic sensors (FB1300)	—	—	<input type="checkbox"/>
Multiplex 3-way, right and left, with 4 ultrasonic sensors (FB1000/FB1200)	<input type="checkbox"/>	<input type="checkbox"/>	—
Multiplex 3-way, right and left, with 4 ultrasonic sensors (FB1300)	—	—	<input type="checkbox"/>
Pre-equipped for 3D leveling level control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basic laser leveling equipment without laser transmitter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Job data logging on control panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Operator's platform</b>			
Comfort driver's seat including seat heater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operator's platform with hydraulically lowerable weather canopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Miscellaneous</b>			
Machine painted in a special color (RAL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAL 9001 Cream standard protection film	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Custom protection film color upon request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WITOS FleetView (MF2, 4G) - professional telematics solution for machine operation and service optimization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WITOS FleetView (MF3, 4G) - professional telematics solution for machine operation and service optimization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High-power LED lighting package including rotating beacon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional weight 400 kg	<input type="checkbox"/>	—	—
Additional weight 515 kg	—	<input type="checkbox"/>	<input type="checkbox"/>
Milling drum mounting trolley for up to FB1300	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical fuel filter preheating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signal lights for visual "stop-and-go" instructions for the truck driver	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrohydraulic unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic water filling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High-performance high-pressure water blaster (150 bar and 15 l/min)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air compressor system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic hammer with pick ejector/insertor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulically powered pick ejector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Milling drum rotation device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor system with 2 cameras and 1 screen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor system with 3 cameras and 1 screen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended lighting equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
License plate holder with LED lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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# **WIRTGEN GROUP**

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