



OVERVIEW OF HIGHLIGHTS

► Powerful and Reliable Powertrain

- The diesel engine is highly powerful.
- The automatic load control system guarantees optimal milling performance.
- The engine has three gears that can be adjusted to change the milling drum speed depending on the working condition.
- A hydraulic powertrain is used to achieve smooth drive and a low maintenance cost.
- The use of market-proven power drive components ensures high reliability.

► Powerful Milling System

- Large milling depth design is more adaptive to working conditions.
- The hydraulic lifting side plate is equipped with an automated leveling function.
- A variety of milling drums are available to accommodate different working conditions.
- The water volume can be adjusted to reduce water consumption.
- The milling drum can rotate forward and backward, enabling quick replacement of the cutter head.

► Excellent Travel Drive System

- The front wheels are designed with a broad steering angle and a very tiny turning radius.
- The hydraulic four-wheel travel drive ensures stability.
- The hydraulic differential anti-skid system with a high level of precision provides superior traction.
- The oscillation system of the right rear wheel facilitates edge milling.
- The maximum travel speed is 12km/h, making the transfer easier.

► Intelligent Control System

- The design of the multi-functional armrest box is ergonomic.
- The ergonomic multi-function handle incorporates a variety of operating functions.
- A 7-inch color touchscreen is provided.
- The SCS intelligent management system for the complete machine simplifies construction and makes construction more efficient.
- The primary and secondary control panels are built in distinct zones for clear and reasonable layout.



OVERVIEW OF HIGHLIGHTS

► Convenient Maintenance

- Large-opening hood doors and the removable front mesh cover make maintenance easy.
- The fuel tank can be rotated to the exterior to create more space for maintenance.
- Grease filling points and filter element replacement locations are easily accessible.
- The vehicle health management system provides regular maintenance reminders.
- The fault self-diagnosis system facilitates reading of the fault information from the display.



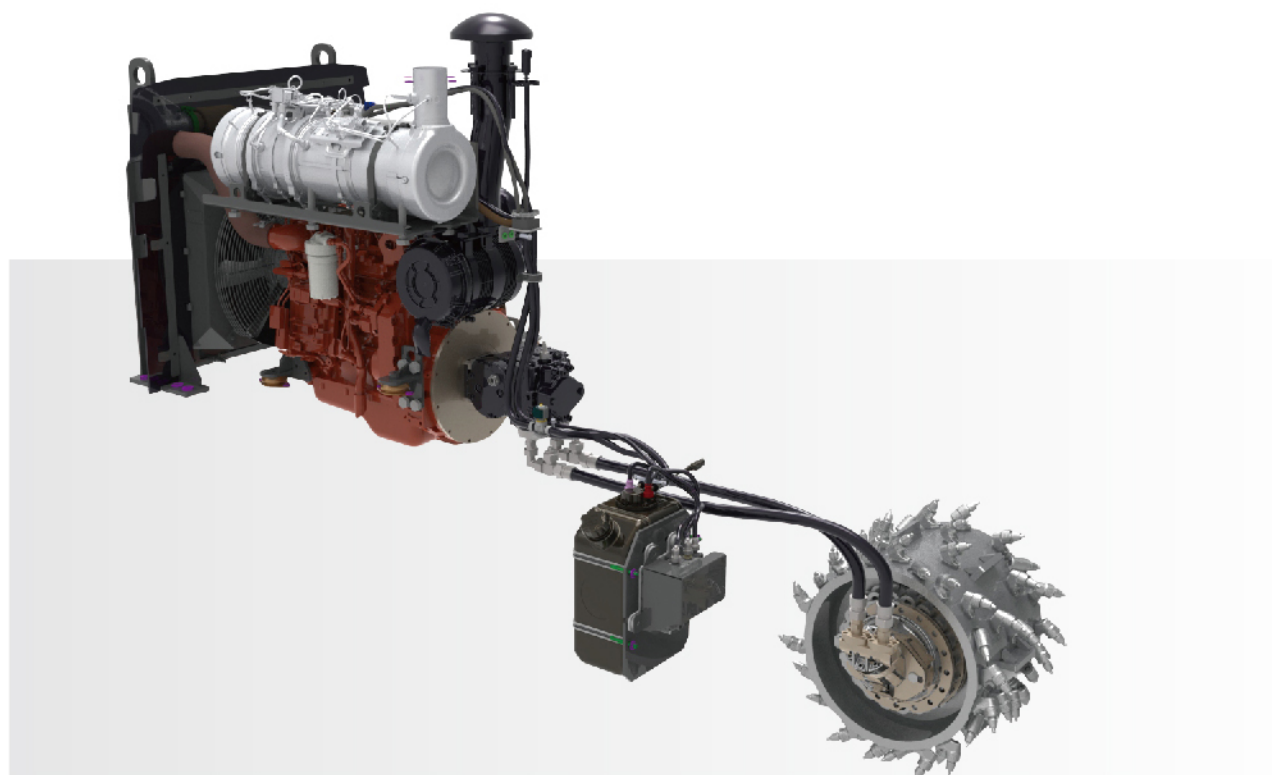
► Three engine speed options

The engine speed and milling drum speed are linked. Depending on the working conditions, one can choose between three different engine speeds: 1,800rpm (economy mode to reduce fuel consumption and cutter wear), 2,000rpm (performance mode with high torque to adapt to large-load working conditions) and 2,200rpm (high quality mode with high speed to achieve high level of flatness).

The large-power engine meets the Eupo V emission standard.

The vibration damping is optimized for a comfortable driving experience while ensuring the stability of the powertrain.

The engine automatically increases torque under heavy load and adjusts operating speed to provide efficient milling performance in a variety of working conditions.



► Reliable transmission system

A hydraulic drive system is adopted, which features a smooth drive and a low maintenance cost. The milling pump, motor and reducer all use mature products of globally renowned brands, which have been market-proven for an extended period of time. Besides, there is an overload protection function to provide high reliability.

► Automatically adjust travel speed

The travel speed is adjusted automatically in response to load changes and power distribution is automated to maximum machine efficiency.

► Milling System

There is a slow rotation mode for the milling drum. In the slow rotation state, all machine operations are forbidden. The milling drum can rotate forward and backward, enabling quick replacement of the cutter head. Besides, the slow rotation switch allows the outriggers to rise and fall simultaneously in the non-slow rotation state, making it easier for operators to control underneath the machine.



The maximum milling depth of 210mm considerably enhances operating efficiency and application scope. A large ground clearance not only keeps the machine from running into obstacles, but also makes it possible for the machine to travel smoothly under complicated working conditions.

Hydraulic lifting can achieve automatic leveling through a displacement sensor that is incorporated into the side plate.



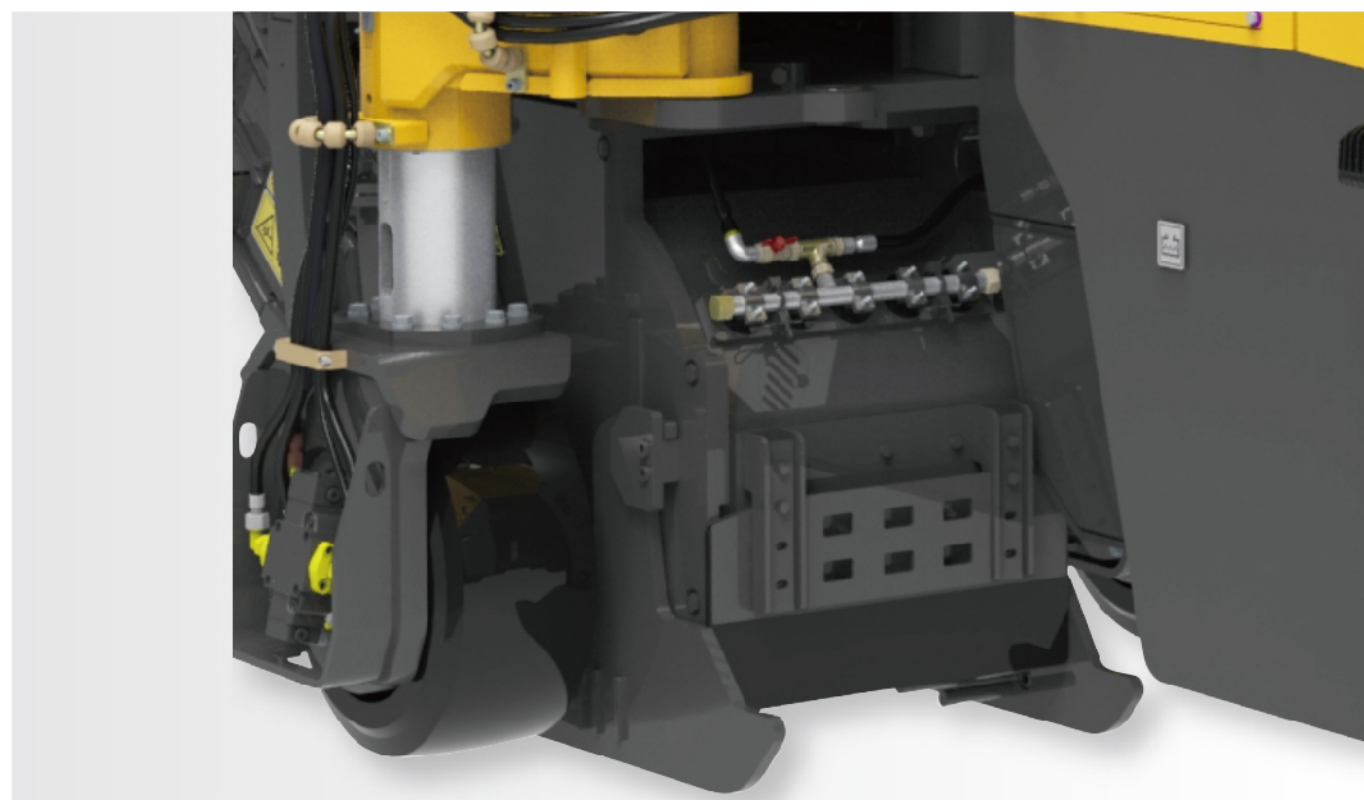
MILLING SYSTEM

► Milling System

The amount of water that is sprinkled can be adjusted indefinitely. Depending on the various working conditions, the appropriate amount of water can be sprinkled to reduce water consumption and increase time of endurance.



A variety of milling drums are available to accommodate different working conditions.



TRAVEL SYSTEM

► Intelligent anti-skid system

The high-precision hydraulic differential anti-skid system provides optimal traction both in complex working conditions and during the loading and unloading process of the whole machine.



The front wheels are designed with a broad steering angle and a very tiny milling and turning radius.

Hydraulic four-wheel travel can provide super stability and maneuverability regardless of the working conditions. With a maximum travel speed of 12 km/h, the machine may quickly move to the next construction site.

The right rear wheel can be quickly swung to the front of the milling drum to facilitate edge milling.





CONVEYOR SYSTEM

► High conveying capacity

With a maximum conveying height of 3.9m, the loading requirements of different trolleys can be easily met. The 350mm wide conveyor belt makes sure that milling leftovers are transported to the extent possible.



► Large swing angle

The broad swing angle of 60° left and right ensures the flexibility of the conveyor belt.

The discharge port is installed with a water sprinkler for dust fall, which can be turned on and off depending on the specific needs to reduce dust emissions.



CONTROL SYSTEM

► Control System



- 1 The ergonomic multi-functional handle with a variety of operating functions incorporated in it can fulfill a range of operational needs with just one hand.
- 2 The entire machine is outfitted with one-touch construction control technology, which links the milling drum switch, the water sprinkler switch, and the conveyor belt switch to quickly enter the milling mode.
- 3 Engine speed control technology synchronizes the lifting and lowering of the outrigger, forward and backward traveling, and the rotation of the milling drum with the engine speed to effectively save control time.
- 4 The machine is equipped with intelligent depth control technology, and both the outrigger cylinder and the side plate cylinder contain a high-precision displacement sensor. Based on the display of the monitor, the outrigger and the side plate can quickly and precisely achieve the desired milling depth automatically. Two-step lifting and lowering control of the outrigger, together with a one-touch quick lifting function, reduces the operation time.
- 5 The ergonomic multi-functional armrest box offers operating comfort from the outset of construction. For the first time, the 7-inch color touchscreen enables touchscreen operations of the milling machine. Its operation and observation can be performed concurrently. The primary and secondary control panels are built in distinct zones that are laid out at the left and right hand sides, respectively, to provide operational comfort and clear functionalities.
- 6 There is no need to manually swap gears since the automatic gear switching technology automatically switches between the turtle and hare gears depending on the working condition.



MAINTENANCE

► Maintenance

The vehicle health management system provides regular maintenance reminders.

The fault self-diagnosis system makes it possible for the fault information to be displayed directly on the display, making it possible to read fault codes clearly for troubleshooting.



- ❶ The entire machine is equipped with complete lighting facilities, including front and rear headlights, milling room lights, left and right side lights, rotating alarm lights, warning lights, etc., and is reserved for internal maintenance and other interfaces to give nighttime construction and maintenance a clear view.
- ❷ The left side of the rear hood has a large upward opening door, which, in conjunction with the rotational fuel tank, greatly expands the maintenance space. Large-opening hood doors on both sides and the removable front mesh cover make maintenance fast and easy.
- ❸ Grease filling points and filter element replacement locations are easily accessible, making maintenance easier.



OVERALL DIMENSIONS

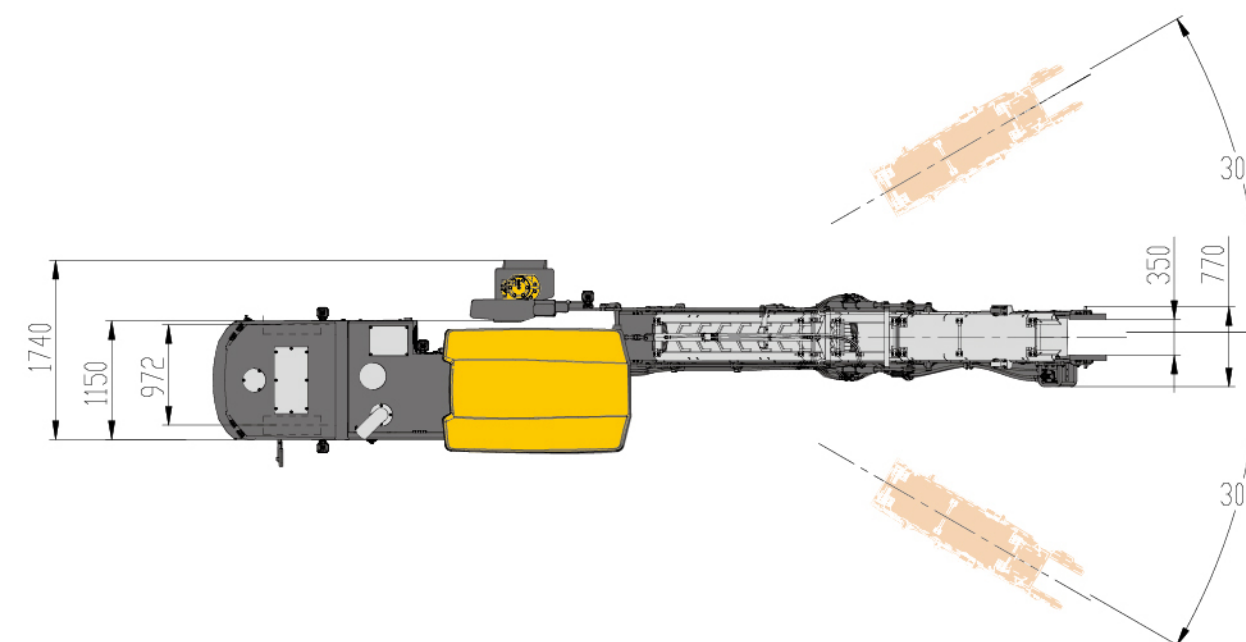
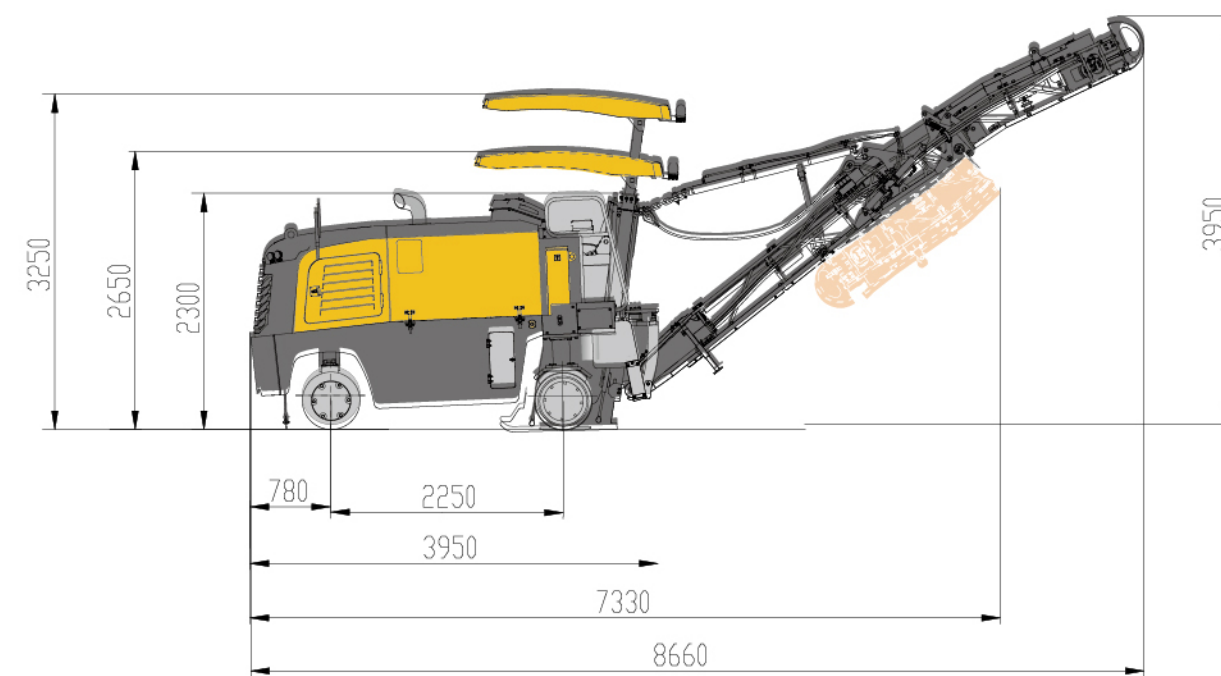




TABLE OF TECHNICAL PARAMETERS

Item	Unit	Parameter
Milling drum	mm	500
	mm	210
	mm	15
		60
	mm	750
Engine		Cummins
		B4.5
		Water-cooling
		4
	kW	115
	L	4.5
	L	29.5
	L	11.8
		Euro V
	V	24
Tank capacity	L	230
	L	600
	L	70
Conveyor belt	mm	350
	mm	3900
	mm	6000×780×600
	m³/h	80
Travel performance	m/min	0-46
	km/h	0-12
		66%
	mm	340
	mm	220
Tire size	mm	559×178
	mm	559×254
Mass of complete	kg	9300
	kg	8900
	kg	8400
	kg	8000

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