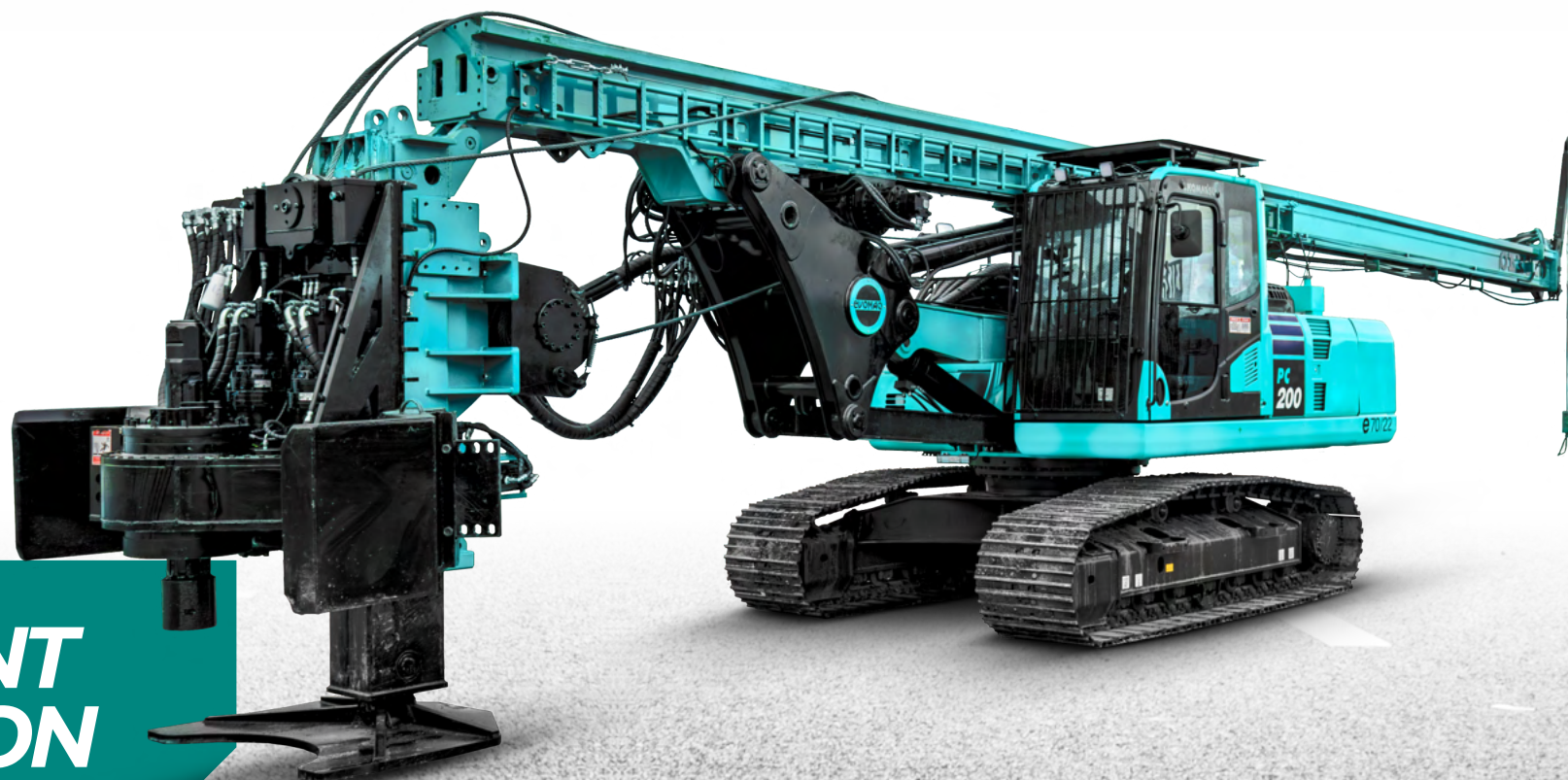




evomaq®
EQUIPAMENTOS

CATALOG E80/23

CONTINUOUS FLIGHT AUGER
DRILL UNDER EXCAVATOR CHASSIS



**CONSTANT
EVOLUTION**

CONTINUOUS FLIGHT AUGER DRILL (CFA DRILL)

E80/22

SPECIAL FEATURES

- PANTOGRAPH
- HIGH TORQUE OF 13.000 Kgf.m
- CABIN WITH MORE COMFORT AND TECHNOLOGY
- STRONG, COMPACT DRILLING HEAD WITH HYDRAULIC MOTORS AND REDUCERS
- DIAMETER UP TO 800 mm
- 360° ROTATION
- EXCLUSIVE HYDRAULIC VISE FOR ALL DIAMETERS



COMPONENTS

- CONTROL PANEL
- MONITORING COMPUTER
- HYDRAULIC TOWER ADJUSTMENTS
- CONVEYORS
- TURRET FOOT



SPECIAL FEATURES

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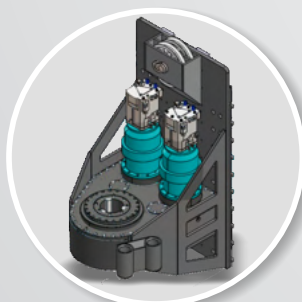
PANTOGRAPH

This system allows the disassembled machine to meet the required transport dimensions, optimizing time on the construction site. It enhances mobility and safety, enabling pile installation near the slope limit and significantly reducing the risk of landslides. Another great advantage of this device is the ease of being able to perform the largest number of piles without the need to move the treadmill of the equipment.



CABIN WITH MORE COMFORT AND TECHNOLOGY

Experience the full spectrum of comfort and cutting-edge technology that the excavator chassis has to offer. In this version, you'll also notice a slight expansion of interior space. Take a closer look!



HIGH-TORQUE DRILLING HEAD

The EVOMAQ E80/23 drilling head was designed with two hydraulic motors and two gear reducers, delivering a maximum torque of 13,000 kgf·m in a compact assembly. This configuration reduces component wear, improves mechanical efficiency, and increases daily production. Even with a compact footprint, the E80/23 delivers torque comparable to large-scale machines, providing the power to penetrate more resistant soil layers with higher productivity and lower maintenance costs.

SPECIAL FEATURES

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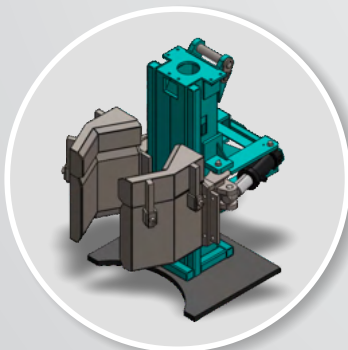
DIAMETER UP TO 800 MM

As previously mentioned, the EVOMAQ E80/23 is a large machine with the characteristics of a small one and proves this not only in relation to its high torque but also in its capacity for drilling up to 800 mm in diameter, providing much more autonomy for the execution of your projects.



360° ROTATION

EVOMAQ has used techniques and features to provide a 360° ROTATION around the equipment to maximize use, productivity and safety.



EXCLUSIVE HYDRAULIC VISE FOR ALL DIAMETERS

To keep the auger alignment during the drilling, the drill of EVOMAQ® has an exclusive hydraulic vise system for all diameters, facilitating and ensuring enhanced safety for individuals involved in the operation.

COMPONENTES

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CONTROL PANEL

With an easy-to-operate, intuitive and strategically located instrument panel, the operator has complete control over the equipment.



MONITORING COMPUTER

The EVOMAQ® Continuous Flight Auger Drill (CFA) has a high-tech monitoring computer that generates accurate, real-time data on drilling and concreting, through detailed graphics, providing reliability for the customer.



LATERAL INCLINATION



TOWER ELEVATION

HYDRAULIC TOWER ADJUSTMENTS

In addition to greater agility, the hydraulic adjustments of the tower are essential for the safe displacement of the EVOMAQ drill rig on construction site.

When in movement, the tower can be tilted sideways and backwards, maintaining the center of gravity and providing even more safety for the operation.

COMPONENTS

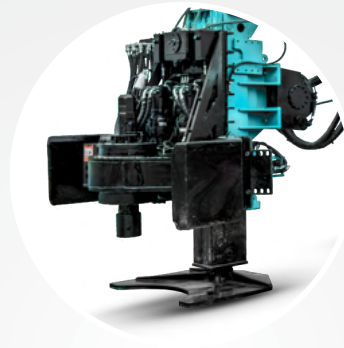
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CONVEYORS



At EVOMAQ, meticulous planning allows us to select the ideal chassis or tracks model that seamlessly adapts to various soil types, enhancing maneuverability and overall performance.

TURRET FOOT



In order to provide greater stability and safety when executing the pile, the turret foot has large dimensions, ensuring higher machine stability and precision when the auger is removed.

TECHNICAL SPECIFICATIONS

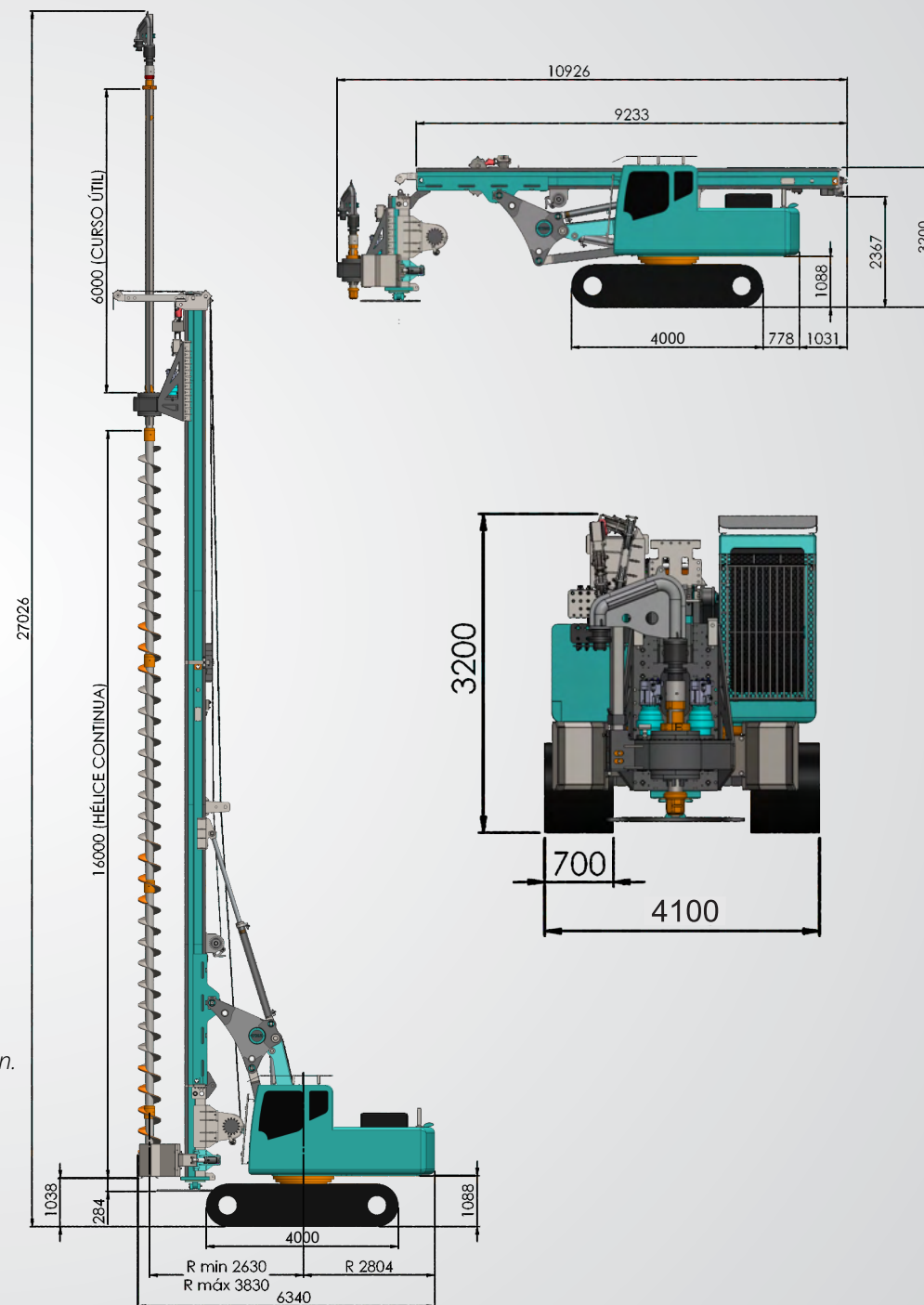
Minimum drilling diameter	300 mm
Maximum drilling diameter	800 mm
Maximum drilling depth	23m (16 + 7)
First gear rotation	14 RPM
Second gear rotation	22 RPM
Third gear rotation	27 RPM
Fourth gear rotation	32 RPM
Drilling torque	13.000 kgf.m
Extraction force	64.000 kfg
Overall equipment width (transport)	4100mm*
Overall equipment width (operational)	2900mm*
Total track shoe width	700mm
Track length	4000mm*
Total equipment weight (transport)	40 Ton*
Engine power	140cv*
Total Height (Work)	27026mm*
Total Height (Transport)	3200mm*
Total Length (Work)	6340mm*
Total Length (Transport)	10926mm*

Excavators for adaptation

KOMATSU

* Technical specifications, dimensions and weight of the equipment, depending on the model chosen.

* For other chassis manufacturers, project development will be required.





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EQUIPAMENTOS

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