



evomaq®
EQUIPAMENTOS

CATALOG
MAX POWER
P1100/28



**CONSTANT
EVOLUTION**

CONTINUOUS FLIGHT AUGER DRILL (CFA DRILL)

EVOMAQ[®]

MAX POWER P1100/28

SPECIAL FEATURES

- HIGH TORQUE OF 22,000 KGF.M
- POWERFUL MERCEDES TURBO DIESEL INTERCOOLER ENGINE
- DRILLING HEAD WITH HIGH PERFORMANCE
- HYDRAULIC PUMP WITH CLOSED CIRCUIT
- HYDRAULIC COUNTERWEIGHT
- 360° ROTATION
- EXTENDABLE TRACKS
- EXCLUSIVE HYDRAULIC VISE FOR ALL DIAMETERS



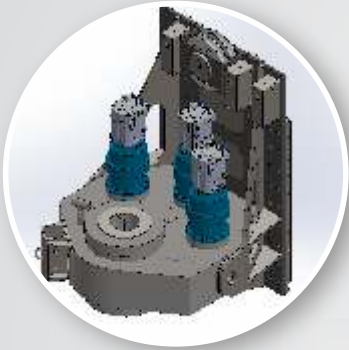
COMPONENTS

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



SPECIAL FEATURES

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HIGH TORQUE OF 22.000 KGF.M

In response to the demands of robust equipment like this, we've engineered a dedicated hydraulic system, delivering an astounding 22.000 kgf.m of pure force and exceptional performance to our machinery.



HYDRAULIC LINDE PUMP WITH CLOSED CIRCUIT

The EVOMAQ P1100/28 has the same hydraulic system used in the most efficient large machines around the world. This is possible due to a LINDE hydraulic piston pump with a closed circuit that is used exclusively to supply the drilling command. Contact our team and know more about this feature.



POWERFUL MERCEDES ENGINE

The EVOMAQ® Continuous Flight Auger Drill (CFA) is equipped with a powerful Mercedes Benz 457 6-cylinder intercooled turbo diesel engine, offered in a 360 hp version, and designed to provide strength and performance.

SPECIAL FEATURES



HYDRAULIC COUNTERWEIGHT

Consistently paying attention to our customers' feedback, we developed a HYDRAULIC COUNTERWEIGHT system to maintain stabilization and provide even more safety for each operation.



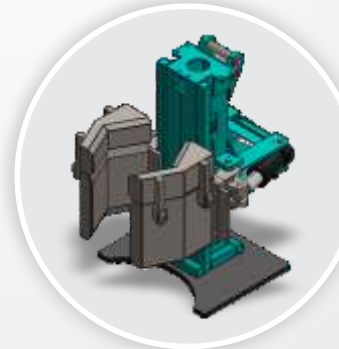
360° ROTATION

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



EXTENDABLE TRACKS

To achieve the 28-meter drilling capacity of our equipment, we designed larger, more resistant and, above all, more stable tracks, providing greater safety in operations within construction sites. We also installed a hydraulic device that widens the tracks by 800 mm, offering even more stability during maneuvers and carrying out work.



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.

COMPONENTS

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.

HYDRAULIC TOWER ADJUSTMENTS



TOWER SIDE SLOPE

TOWER ELEVATION

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.

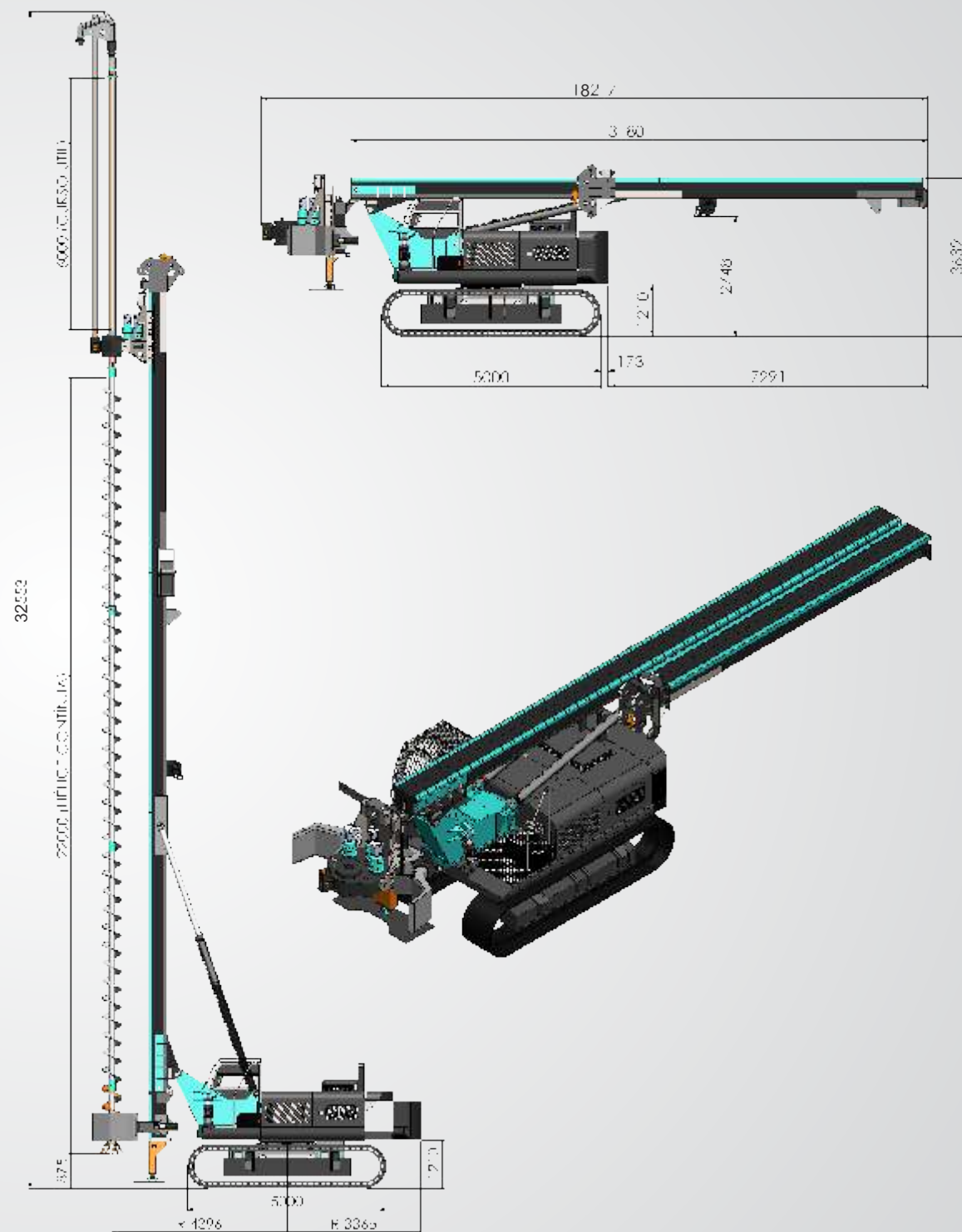
TURRET FOOT



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	1100 mm
Maximum drilling depth	28m (22 + 6)
First gear rotation	14 RPM
Second gear rotation	20 RPM
Third gear rotation	28 RPM
Fourth gear rotation	34 RPM
Maximum torque	22.000 kgf.m
Extraction force	64.000 kfg
Overall equipment width (transport)	3180mm
Overall equipment width (operational)	4380mm
Total track shoe width	750mm
Track length	5000mm
Total equipment weight (transport)	52.270 Ton
Engine power	360cv
Total Height (Work)	32553mm
Total Height (Transport)	3632mm
Total Length (Work)	8311mm
Total Length (Transport)	18217mm





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