



ES30



Savannah • Georgia • USA

THE COMPANY

CZM has 50 years of experience in manufacturing foundation equipment, offering a wide range of models for the most diverse applications, including bored piles, continuous flight auger (CFA) piles, hydraulic hammer driven piles, secant piles, micropiles, tiebecks, and others.

CZM operates three manufacturing facilities: the USA factory in Savannah, Georgia; the Brazilian factory in the Belo Horizonte area, MG; and the Italian factory in the Ravenna area, Italy. We are leader in the USA and Brazil, and have made over 2,500 rigs, working in more than 30 countries. Our rigs are mounted on Caterpillar Bases.





Belo Horizonte • Minas Gerais • Brazil



Service Centers in USA, Brazil and Italy



Alfonsine • Ravenna • Italy

TECHNICAL SPECIFICATIONS

ES30

DRILLING

Max. Depth	30 m
Continuous Flight Auger	23 m
Extension	7 m usable
Max. Diameter	1,000 mm

GEARBOX

1st Gear	25,000 kgf.m at 10 rpm
2nd Gear	18,000 kgf.m at 14 rpm
3rd Gear	12,000 kgf.m at 20 rpm

BASE CARRIER

Model	CAT 340 NG
Power	264 kW / 352 hp
Hydraulic Pressure	350 bar
Hydraulic Flow	560 lpm
Diesel Tank	600 l

MAIN WINCH

Line Pull	17,500 kgf
Total Pull-back Force	70,000 kgf
Rope Diameter	22 mm

AUXILIARY WINCH

Line Pull	3,000 kgf
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TRANSPORT

Transport Width	3,300 mm
Transport Weight	56,000 kg

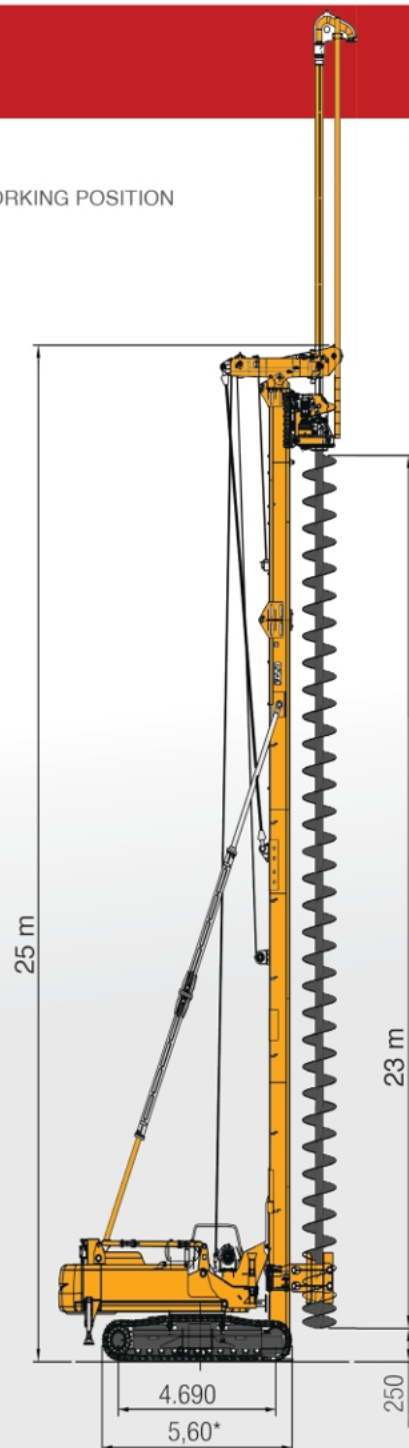
UNDERCARRIAGE

Width Extended	4,60 m
Overall Length	5,60 m
Track Shoe Width	800 mm

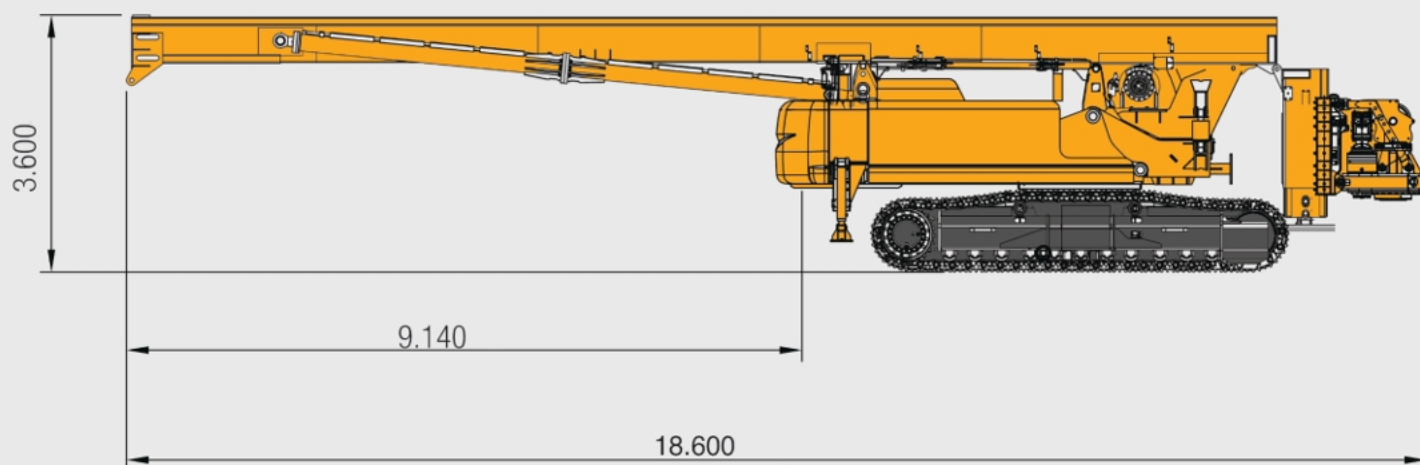
GENERAL DIMENSIONS



WORKING POSITION



TRANSPORT POSITION



***ES30**



CZM OPERATING COMPUTER

CZM DIGITAL COMMAND AND CONTROL SYSTEM

- Automatic gear shifting for the rotary head (3 gears) and the main winch (2 speeds).
- Display with key information: torque measurement, line pull measurement (main and auxiliary winch), rotary head speed (rpm), mast inclination and remote access to the machine by the CZM aftersales team.

And more:

- Up to 15% better fuel efficiency and 15% savings in maintenance costs with the new generation of Caterpillar base carriers.
- Three power modes: Power, Smart and Eco, which automatically match engine and hydraulic power to the drilling conditions.
- Telemetry system.
- The new-generation Caterpillars also come with PRODUCT LINK as standard, which provides: location, machine hours, fuel consumption, monitoring of productivity, idle time and diagnostic codes.





FOUNDATION EQUIPMENT



CONTAGEM

Av. Sócrates Mariani Bittencourt, nº364
Cinco • Contagem • Minas Gerais
Brazil • +55 31 2111-6200

www.czm.com.br



SAVANNAH

962 Interstate Centre Boulevard
Savannah • Georgia • ZIP Code: 31308
USA • Phone: +1 912.200.7654

czm-us.com



RAVENNA

Via dei Carpentieri 2
Alfonsine • Ravenna • ZIP Code: 48011
Italy • Phone: +39 0544 81310