

CZM
FOUNDATION EQUIPMENT



TM300



SAVANNAH • GEORGIA • USA

THE COMPANY

- CZM has over 40 years of foundation equipment manufacturing experience with a wide range of models for multiple applications: drilled shafts, CFA, driven piles with hydraulic hammers, secant piles, micro piles, and anchoring, among others.
- CZM Foundation Equipment's USA manufacturing facility is located in Savannah, Georgia.
- CZM Foundation Equipment has designed their models with the after sales being priority. Quality and service are the main ingredients to a quality machine, this is one of the direct reasons CZM uses Caterpillar as a base, the Caterpillar bases are not only operator and maintenance friendly but by using Caterpillar it enables the customer access to the large and already nationally established Caterpillar Network.
- CZM is the world's largest manufacturer of CFA drilling rigs, featuring the revolutionary torque mechanism "Bottom Drive CFA", an internationally recognized CZM patent.





TECHNICAL SPECIFICATIONS

KELLY BAR STANDARD MAST

Drilling Depth Std Kelly (3 elements; interlocking)	60 ft	18,3 m
Drilling Depth (4 elements; interlocking kelly bar)	80 ft	24,4 m
Drilling Depth (5 elements; interlocking kelly bar)	100 ft	30,5 m

KELLY BAR SHORT MAST APPLICATION

Drilling Depth (std - 7 elements; friction kelly bar)	50 ft	15,2 m
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ROTARY HEAD STANDARD

Max. torque (nominal)	37.000 lbf.ft	5.000 kgf.m
Working speed of rotation	20 rpm	20 rpm
Spin-off rotation	100 rpm	100 rpm

CROWD SYSTEM

Chain and Planetary reducer stroke (standard mast)	20 ft	6,100 mm
Stroke (short mast)	75 in	1,900 mm
Push force	22.000 lbf	10.000 kgf
Push speed	46 ft/min	14 m/min
Pull force	22.000 lbf	10.000 kgf
Pull speed	60 ft/min	18 m/min

MAIN WINCH

Max. pull-force - 1st Layer (effective)	19.200 lbf	8.700 kgf
Line speed - 1st Layer	170 ft/min	51 m/min
Cable diameter	7/8 in	22 mm
Drum diameter - 1st Layer	16 in	410 mm

AUXILIARY WINCH

Max. pull-force - 1st Layer (effective)	6,600 lbf	3.000 kgf
Line speed - 1st Layer	120 ft/min	35 m/min
Cable diameter	1/2 in	13 mm
Drum diameter - 1st Layer	10 in	258 mm

MAST INCLINATION

Backward	15°	15°
Forward	9°	9°
Sideways	9° / 9°	9° / 9°

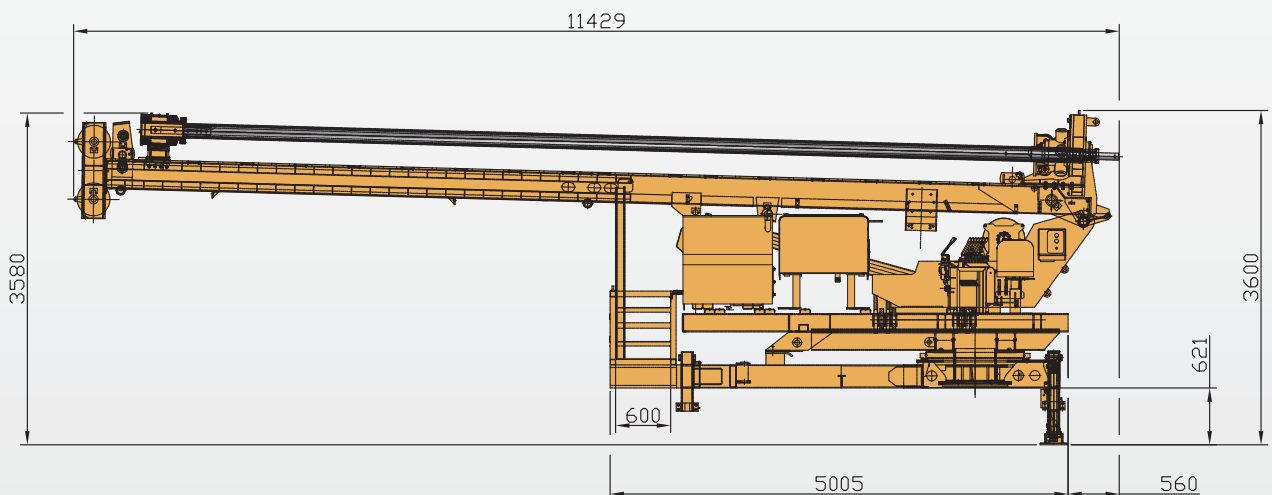
DIESEL ENGINE CAT C6.4 Acert TIER 3

Net Power – SAE J1349	130 hp	98 kW
Displacement	389 in3	6.4 L
Fuel Tank	108 gal	410L

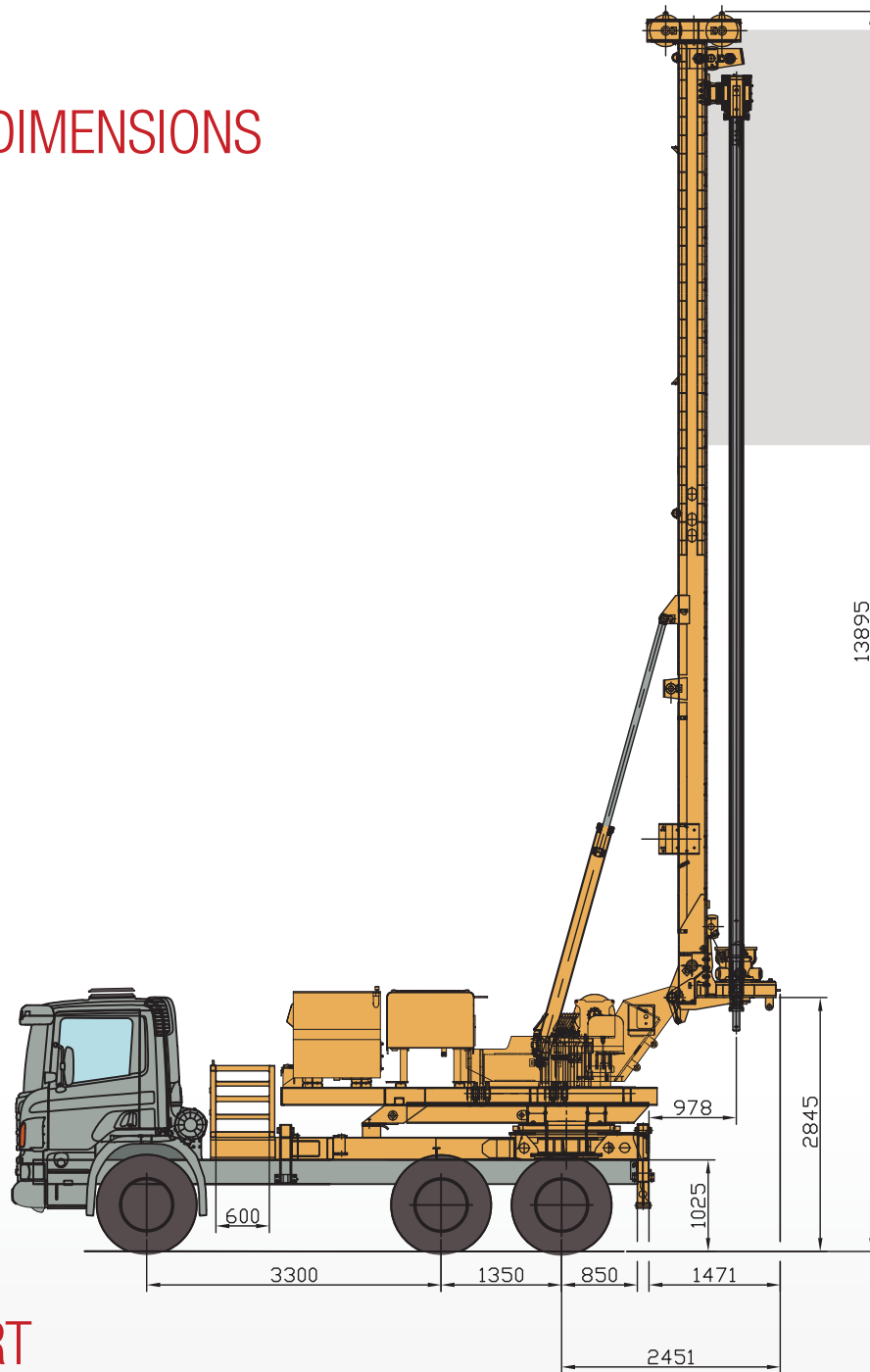
WEIGHT

Transport weight (standard kelly 3 / 60ft - 18,3m)	51,700 lb	23,500 kg
Transport weight (with kelly 4 / 80ft - 24,4m)	58,300 lb	26,500 kg
Transport weight (with kelly 5 / 100 ft - 30,5)	62,700 lb	28500 kg

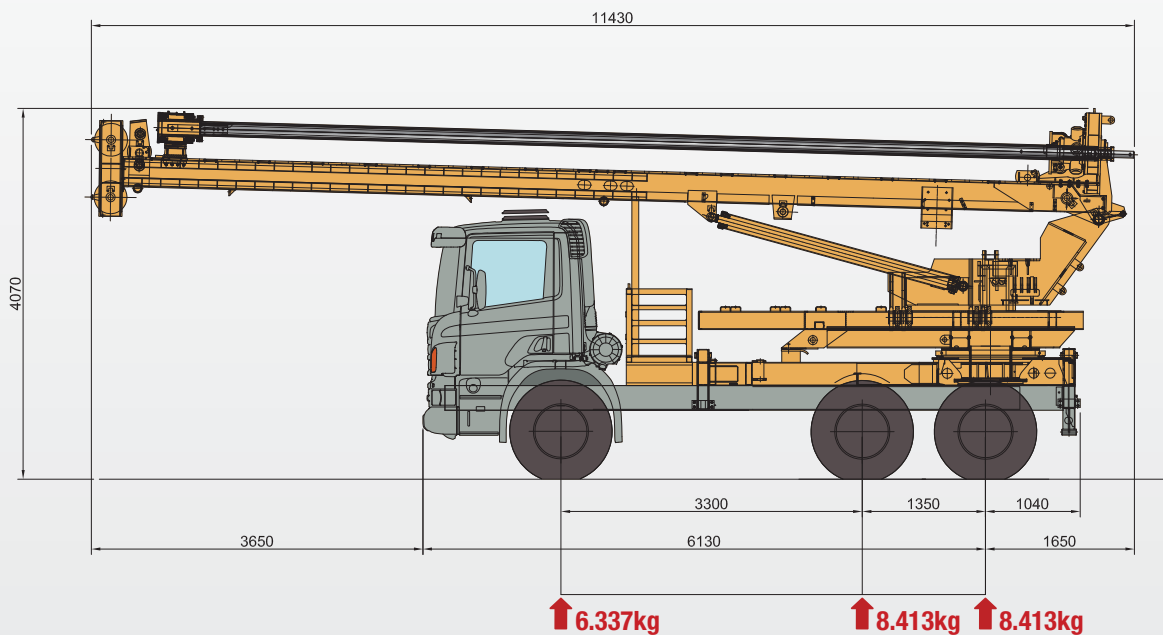
SHIPMENT DIMENSIONS



GENERAL DIMENSIONS



TRANSPORT









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Specifications are subject to change without notice.