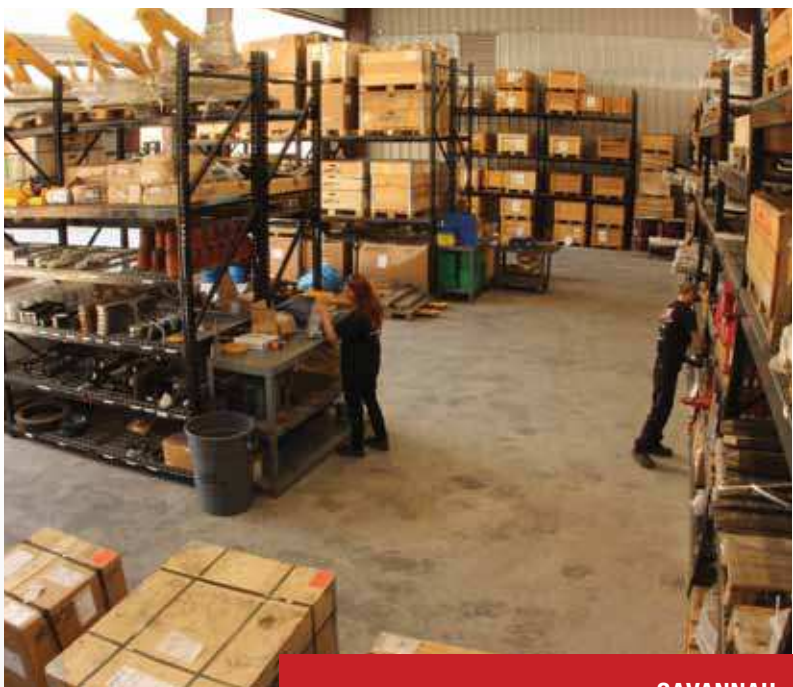




TK100



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.



TK100

Mounted on standard
CAT316 (Tier IV)

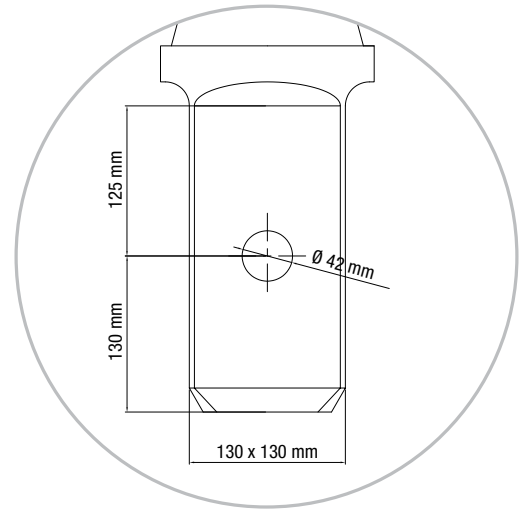


APPLICATION

The all new TK100 truck mounted, rubber tired rig from CZM Foundation Equipment offers the same outstanding performance, reliability, and productivity as our EK125.

Well balanced and highly mobile, this heavy duty rig is ideally suited for the toughest drilling projects:

- Foundation drilling
- Transmission lines
- Cell tower construction
- Rock penetration



Standard Kelly Bar Square

TECHNICAL SPECIFICATIONS

KELLY BAR STANDARD MAST APPLICATION

Max. Drilling Depth (4 elements; interlock kelly bar)	80 ft	24,500 mm
Max. Drilling Diameter (with lower mast)	60 in	1,500 mm

ROTARY HEAD

Maximum torque (nominal)	72,000 lbf.ft	10,000 kgf.m
Working Speed	8 - 31 rpm	8 - 31 rpm
Spin-off Speed	65 - 113 rpm	65 - 113 rpm

CROWD SYSTEM

Pull down force (nominal)	39,500 lbf	18,000 kgf
Cylinder push speed	62 ft/min	19 m/min
Pull up force (nominal)	45,000 lbf	20,500 kgf
Cylinder pull speed	40 ft/min	12 m/min
Cylinder stroke	8 ft 4 in	2,540 mm

MAIN WINCH (PULL-UP)

Max. Pull-force effective (1st layer)	32,000 lbf	14,600 kgf
Max. Pull-force effective (1st layer - 2nd speed)	25,900 lbf	11,800 kgf
Line speed (1st layer)	179 ft/min	55 m/min
Max. Line speed (2nd speed)	224 ft/min	68 m/min
Cable diameter	- in	24 mm
Drum pitch diameter (1st Layer)	18.6 in	473 mm

AUXILIARY WINCH

Max. Pull-force effective (1 st layer)	11,000 lbf	5,000 kgf
Line speed (1 st layer)	180 ft/min	55 m/min
Cable diameter	- in	16 mm
Drum pitch diameter 1st Layer	10.7 in	288 mm

MAST INCLINATION

Backward	10°	10°
Forward	6°	6°
Sideways	4 / 4°	4 / 4°

DIESEL ENGINE CAT323 FL TIER IV (CAT C7.1 ACERT)

Exhaust Emission Standard	U.S. EPA Tier 4 Interim	
Net Power - SAE J1995	113 hp	84 kW
Displacement	269 in³	4,4 L
Fuel tank	77 gal	290 L
Displacement	269 in³	4 l
Fuel tank	77 gal	290 l

MAIN HYDRAULIC SYSTEM

Main circuit pressure (max.)	5,076 psi	350 bar
Main circuit Flow rate (max.)	71 gpm	270 lpm
Hydraulic Oil Tank (CAT + Additional)	28 gal	106 L

TRUCK

Supplier	Kenworth	Kenworth
Model	T800	T800
Weight	29,000 lb	13,154 kg

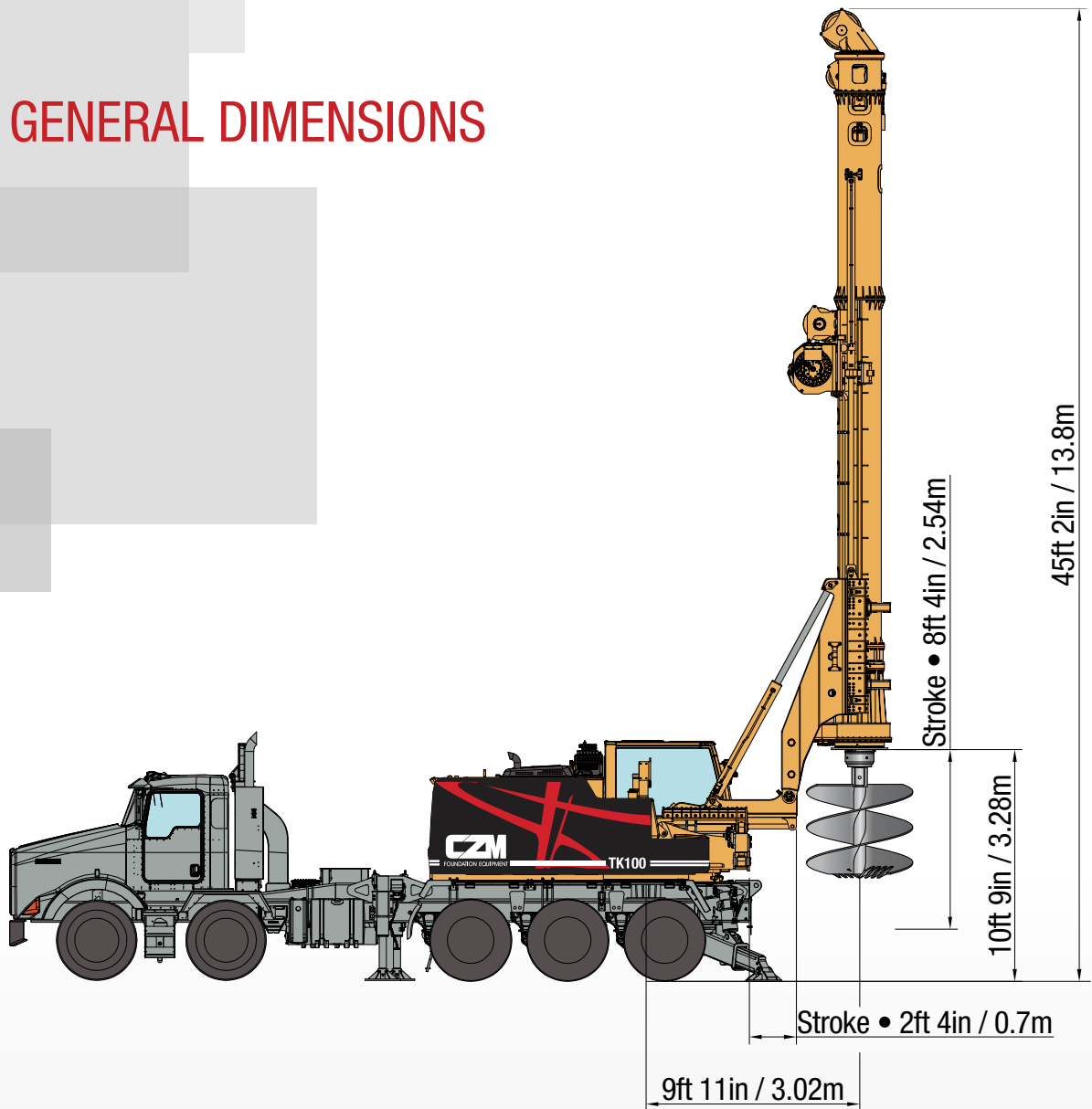
TRANSPORT

Overall Height	13 ft 4 in	4,067 mm
Transport Length	37 ft 8 in	11,480 mm
Transport Width	8 ft 6 in	2,590 mm
Max. transport Weight	89,500 lb	40,600 kg

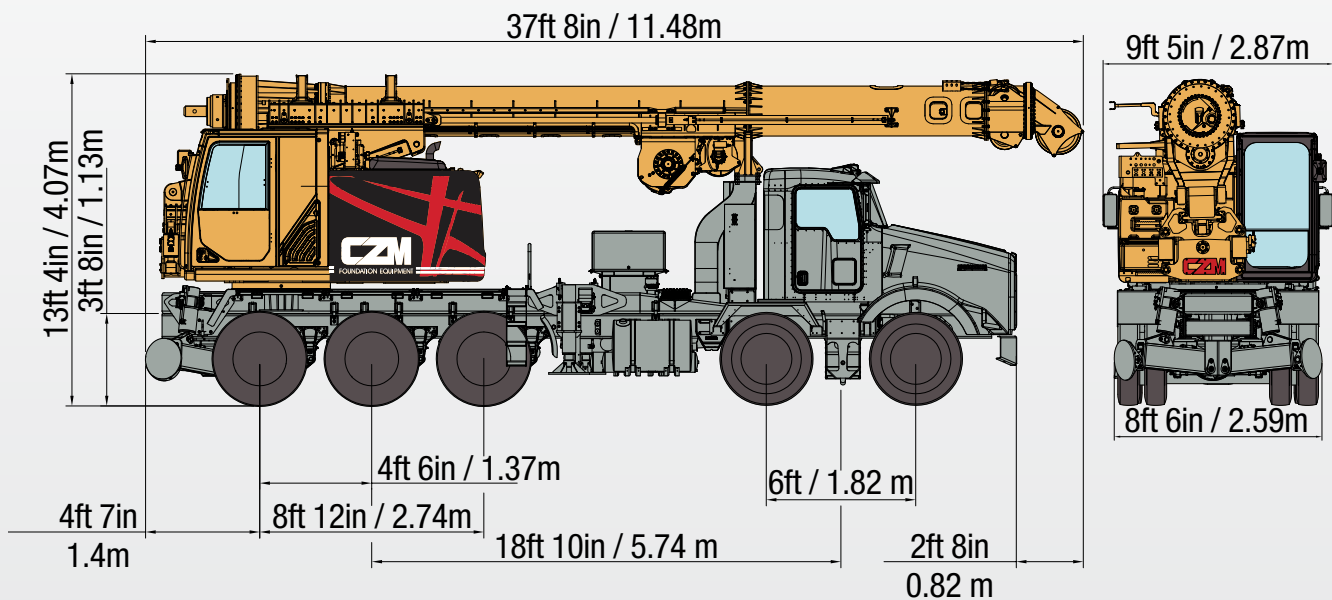
GENERAL DATA

Overall height (Working position)	45 ft 2 in	13,760 mm
Operation weight	93,900 lb	42,600 mm

GENERAL DIMENSIONS



TRANSPORT POSITION









USA
SAVANNAH

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Specifications are subject to change without notice.

Courtesy of Crane.Market