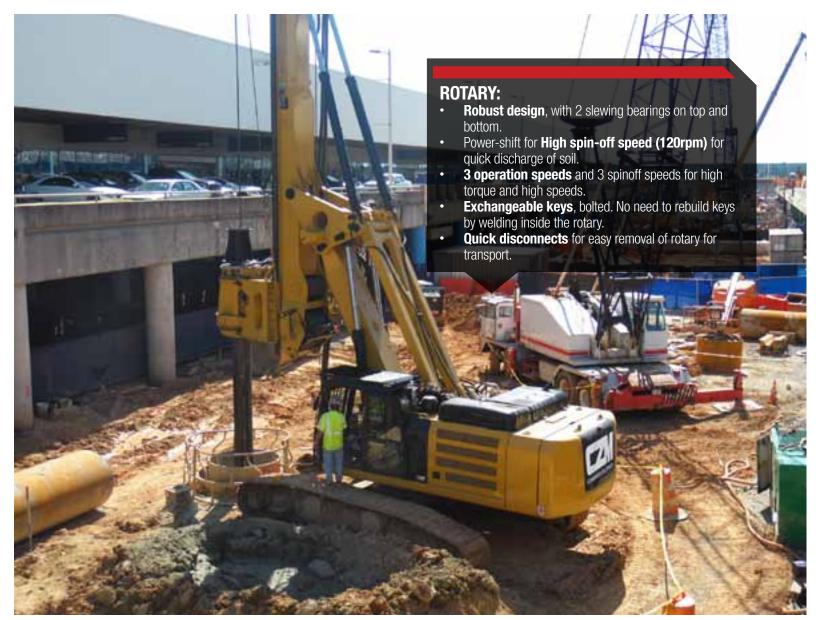


EK240







APPLICATIONS

APPLICATIONS:

- · Conversion to Short Mast and Mid Mast options available.
- Easy Conversion to from kelly to "Bottom Drive CFA" up to 24in diam.

MAIN WINCH:

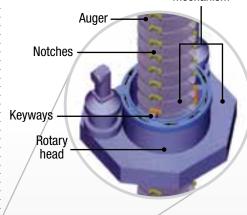
- Special groove for better cable winding and longer cable life.
- 2 gears allows for both high speed and high pulling force.
- Automatic down the hole winch stop.
- Free willing winch during crowd operation.

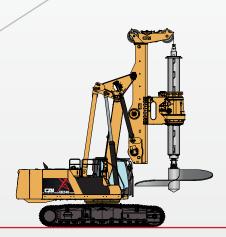
KELLY BAR:

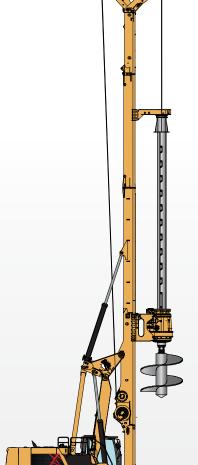
- Large inner passage on rotary allows for large diameter pipes (16in) and thicker keys.
- Thick Keys made of Wear resistant materials
 Hardox 450.

BOTTOM DRIVE CFA

Torque transmission mechanism







DRILL SHAFT PILE

Depth (std.): $130 \, \text{ft} / 39 \, \text{m}$ Depth (max.): $260 \, \text{ft} / 79 \, \text{m}$ Diameter (max.): $13 \, \text{ft} / 4,000 \, \text{mm}$

CONTINUOUS FLIGHT AUGER PILE

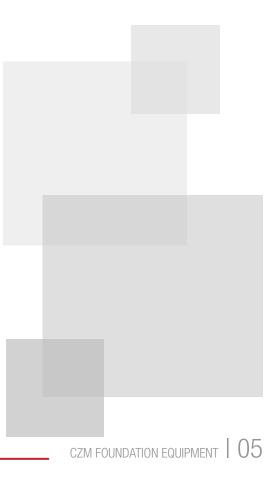
Depth (max.): 102 ft / 31 m **Diameter (max.):** 24 in / 600 mm

SHORT MAST VERSION

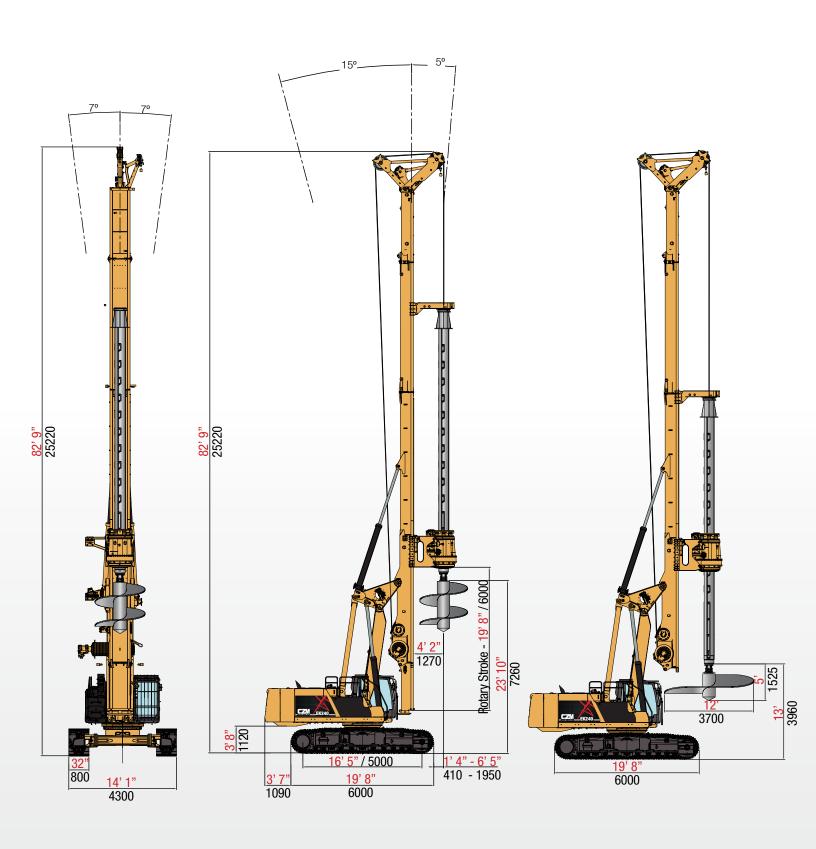
Depth (std.): 76 ft / 23.2 m Depth (max.): 95 ft / 29 m Diameter (max.): 13 ft / 4,000 mm

TECHNICAL SPECIFICATIONS

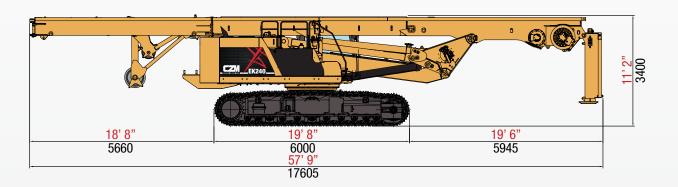
Max. Drilling Depth (5 element kelly bar) Max. Drilling Diameter (with lower mast) Max. Drilling Diameter (without lower mast) Max. Drilling Diameter (without lower mast) KELLY BAR SHORT MAST APPLICATION Max. Drilling Depth (interlocking kelly bar) ROTARY HEAD Max. Incrue (inominal) Max. Drilling Depth (interlocking kelly bar) Max. Drilling Diameter (interlocking kelly bar) Max. Drilling Max. Drilling kelly bar) Max. Drilling Max. Drilling kelly bar	KELLY BAR STANDARD MAST APPLICATION		
Max. Drilling Diameter (withol lower mast) 100 in			39 m
Max. Drilling Diameter (without lower mast) 156 in 4,000 mm			
RELLY BAR SHORT MAST APPLICATION Max. Drilling Depth (interlocking kelly bar) 95 ft 29 m Max. Drilling Depth (interlocking kelly bar) 76 ft 23 2 m Max. Drilling Depth (interlocking kelly bar) 76 ft 23 2 m Max. Drilling Depth (interlocking kelly bar) 76 ft 23 2 m Max. Drilling Depth (interlocking kelly bar) 76 ft 23 2 m Max. Drilling Diameter (without lower mast) 156 in 4,000 mm			
Max Drilling Depth (interlocking kelly bar) 95 ft 29 m Standard Drilling Depth (interlocking kelly bar) 76 ft 23 cm Max Drilling Diameter (without lower mast) 156 in 4,000 mm ROTARY HEAD 209,800 lbf.ft 29,000 kgf.m Working speed 10-26 rpm 10-26 rpm Spin off speed 50-120 rpm 10-26 rpm CROWD SYSTEM Cylinder Pull-down force (nominal) 73,326 lbf 33,000 kgf.m Cylinder Pull-up force (nominal) 73,326 lbf 33,000 kgf.m Cylinder Pull-up force (nominal) 73,326 lbf 37,000 kgf.m Cylinder Pull-up force (nominal) 73,326 lbf 37,000 kgf.m Max pull-force effective (1st layer) 58,700 lbf 26,500 kgf.m Max pull-force effective (1st layer) 58,700 lbf 26,500 kgf.m Max pull-force effective (1st layer) 58,700 lbf 26,500 kgf.m Max pull-force effective (1st layer) 24,500 kgf.m 24,000 kgf.m Line speed (2nd speed) 24,500 kgf.m 24,000 kgf.m Line speed (2nd speed) 24,500 kgf.m 1,75 kfmin Auxillary WilNCH	,	130 111	4,000 111111
Standard Drilling Debth (interlocking kelly bar)		O5 ft	20 m
Max. Drilling Diameter (without lower mast) 156 in 4,000 mm			
Max. torque (nominal)	Max. Drilling Diameter (without lower mast)		
Max. torque (nominal)	DULY HEVD		
Working speed 10-26 rpm 50-120 rpm 5		209,800 lbf.ft	29,000 kgf.m
CROWD SYSTEM Cylinder Pull-down force (nominal) 73,326 lbf 33,000 kg	Working speed	10-26 rpm	10-26 rpm
Cylinder Pull-down force (nominal) 33,026 lbf 33,000 kg	Spin off speed	50-120 rpm	50-120 rpm
Cylinder Pull-down force (nominal) 33,026 lbf 33,000 kg	CROWD SYSTEM		
MAIN WINCH Max. pull-force effective (1st layer) 58,700 lbf 26,500 kg Main. pull-force effective (1st layer) 175 ft/min 54 m/mir Max. pull-force effective (1st layer) 175 ft/min 54 m/mir Max. pull-force effective (1st layer) 175 ft/min 54 m/mir Max. line speed (2nd speed) 245 ft/min 54 m/mir Max. line speed (2nd speed) 245 ft/min 28 mm 22.5/16 in 566 mm 240 mm 22.5/16 in 566 mm 240 mm 25.5/16 in 566 mm 25.5/16 in 560 mm 25.5/16 in 560 mm 25.5/16 in 25.5/1	Cylinder Pull-down force (nominal)	73,326 lbf	33,000 kgf
MAIN WINCH Max. pull-force effective (1st layer) 58,700 lbf 26,500 kg Max. pull-force effective (1st layer) 54,200 lbf 24,000 kg Line speed (1st layer) 175 ft/min 75 m/mir Max. Line speed (2nd speed) 245 ft/min 75 m/mir Cable diameter 1,1/8 in 28 mm Drum diameter (1st layer) 22.5/16 in 566 mm AUXILIARY WINCH 22,000 lbf 10,000 kg Max. pull-force effective (1st layer) 22,000 lbf 10,000 kg Cable diameter 3/4 in 19 mm Drum diameter (1st layer) 16.5 in 420 mm MAST INCLINATION 28 3/4 in 19 mm Mass Inclusive CAT336 Next Gen (CAT® C9.3 ACERT™)* 25 ft 5 ft Exhaust Emission Standard EPA Tier 4 Final Gen 5 ft 7 f*	Cylinder Pull-up force (nominal)		, 0
Max pull-force effective (1st layer) 58,700 lbf 26,500 kg/max Max pull-force effective (1st layer) 54,200 lbf 24,000 kg/max Max line speed (2nd speed) 245 ft/min 75 m/min Cable claimeter 1.1/8 in 28 m/min Drum diameter (1st layer) 22.5/16 in 566 mm AUXILIARY WINCH Max. pull-force effective (1st layer) 22,000 lbf 10,000 kg/min Cable diameter 3/4 in 19 mm Drum diameter (1st layer) 16.5 in 420 mm MAST INCLINATION 34 in 19 mm Backward 15° 15° Forward 5° 5° Sideways 7° / 7° 7° / 7° DIESEL ENGINE CAT336 Next Gen (CAT® C9.3 ACERT***)* Exhaust Emission Standard EPA Tier 4 Fina EPA Tier 4 Fina Gross Power — SAE Jig95 314 hp 234 kW Displacement 568 in³ 9.3 t HYDRAULIC SYSTEM Main circuit Flow rate (max.) 5,500 psi 30 bar Main circuit Flow rate (max.) 5,500 psi	Cylinder stroke	19 ft 8 in	6,000 mm
Max bull-force effective (1st layer) 24,000 lbf 24,000 lbf 24,000 lbf 24,000 lbf 24,000 lbf 54,000 lbf 24,000 lbf 54,000 lbf 54,000 lbf 54,000 lbf 54,000 lbf 54,000 lbf 54,000 lbf 56,000 lbf 75,000 lbf 75,000 lbf 28,000 lbf 10,000 kgf 34/4 in 19 mm <	MAIN WINCH		
Line speed (1st layer) Max. line speed (2nd speed) 245 ft/min 75 m/min 75 m/min 75 m/min Cable diameter 1.1/8 in 28 mm Drum diameter (1st layer) 22.5/16 in 566 mm AUXILIARY WINCH Max. pull-force effective (1st layer) 22,000 lbf Cable diameter 3/4 in 19 mm Drum diameter (1st layer) 22,000 lbf Cable diameter 3/4 in 19 mm Drum diameter (1st layer) 16.5 in 420 mm MAST INCLINATION Backward 5° Forward Forward 5° Forward 5° Forward 5° Forward	Max. pull-force effective (1st layer)		26,500 kgf
Max, line speed (2nd speed) 245 ft/min 75 m/mir Cable diameter 1.1/8 in 28 mm Drum diameter (1st layer) 22.5/16 in 566 mm AUXILIARY WINCH Wax. Pull-force effective (1st layer) 22,000 lbf 10,000 kgl Cable diameter 3/4 in 19 mm Drum diameter (1st layer) 16.5 in 420 mm MAST INCLINATION Backward 15° 15° Forward 5° 5° 5° Sideways 7° / 7° 7° / 7° DIESEL ENGINE CAT336 Next Gen (CAT® C9.3 ACERT**)* EPA Tier 4 Final Gross Power - SAE Ji995 314 hp 234 kW Cass Power - SAE Ji995 314 hp 234 kW 158 gal 600 L HYDRAULIC SYSTEM Main circuit pressure (max.) 5,500 psi 380 bar Main circuit Plow rate (max.) 5,500 psi 380 bar Main circuit Plow rate (max.) 5,500 psi 380 bar Main circuit flow rate (max.) 29 gal/min 480 L/mir Hydraulic oil tank (CAT + additional) 67.4 gal 255 L AUXILIARY HYDRAULIC	Max. pull-force effective (1st layer - 2nd speed)		24,000 kgf
Cable diameter 1.1/8 in 28 mm Drum diameter (1st layer) 22.5/16 in 566 mm AUXILIARY WINCH 22.5/16 in 566 mm Max, pull-force effective (1st layer) 22,000 lbf 10,000 kgl Cable diameter 3/4 in 19 mm Drum diameter (1st layer) 16.5 in 420 mm MAST INCLINATION 35 5° Backward 5° 5° 5° Forward 5° 5° 5° Sideways 7° / 7° 7° / 7° 7° / 7° DIESEL ENGINE CAT336 Next Gen (CAT® C9.3 ACERT™)* EPA Tier 4 Final Gross Power – SAE Ji995 314 hp 234 kW 234 kW 234 kW 234 kW 600 L 44 kW 44 kW<			
### Drum diameter (1st layer) ### AUXILIARY WINCH ### Max. pull-force effective (1st layer) ### Cable diameter ### Drum diameter (1st layer) ### Drum diameter (1st layer) ### MAST INCLINATION ### Backward ### 15° ### Forward ### 5° ### So			
AUXILIARY WINCH Max, pull-force effective (1st layer) 22,000 lbf 10,000 kg Cable diameter 3/4 in 19 mm Turm diameter (1st layer) 16.5 in 420 mm	Drum diameter (1st layer)		
Max, pull-force effective (1st layer) Cable diameter Cable diamet	,		
Cable diameter Drum diameter (1st layer) 16.5 in 19 mm MAST INCLINATION 420 mm Backward 15° 15° Forward 5° 5° Sideways 7° / 7° 7° / 7° DIESEL ENGINE CAT336 Next Gen (CAT° C9.3 ACERT***)* Exhaust Emission Standard EPA Tier 4 Final EPA Tier 4 Final Gross Power – SAE Ji995 314 hp 234 kW Displacement 568 in³ 9.31 Fuel tank 158 gal 600 L HYDRAULIC SYSTEM Main circuit Flow rate (max.) 5,500 psi 380 bar Main circuit Flow rate (max.) 127 gal/min 480 L/mir Hydraulic oil tank (CAT + additional) 67.4 gal 255 L Auxiliary circuit flow rate (max.) 29 gal/min 108 L/mir UNDERCARRIAGE 19 ft 8 in 6,000 mm Track length 19 ft 8 in 6,000 mm Length to center of rollers 16 ft 5 in 5,000 mm Tracks chose width 32 in 3,000 mm Max. travel speed 3.1 mph </td <td></td> <td>22.000 lbf</td> <td>10.000 kaf</td>		22.000 lbf	10.000 kaf
MAST INCLINATION	Cable diameter	,	19 mm
Backward	Drum diameter (1st layer)	16.5 in	420 mm
Forward Sideways 7° / 7° Sideways 8° / 7° / 7° Sideways 9° / 7° Sideways 9° / 314 hp 9° / 234 kW 9° / 314 hp 9° / 314 hp 9° / 314 hp 9° / 7° / 7° Sideways 9° / 314 hp 9° / 314	MAST INCLINATION		
DIESEL ENGINE CAT336 Next Gen (CAT® C9.3 ACERT™)* Exhaust Emission Standard	Backward		15°
DIESEL ENGINE CAT336 Next Gen (CAT® C9.3 ACERT™)* Exhaust Emission Standard		-	-
Exhaust Emission Standard EPA Tier 4 Final Gross Power – SAE JI995 EPA Tier 4 Final Standard Gross Power – SAE JI995 314 hp 234 kM Displacement 568 in³ 9.3 I Fuel tank 158 gal 600 L HYDRAULIC SYSTEM Main circuit Flow rate (max.) 5,500 psi 380 bar Main circuit Flow rate (max.) 127 gal/min 480 L/mir 480 L/mi	Sideways	1 / 1	1 / 1
Gross Power — SAE JI995 314 hp 234 kM Displacement 568 in³ 9.3 L Fuel tank 158 gal 600 L HYDRAULIC SYSTEM Main circuit pressure (max.) 5,500 psi 380 bat Main circuit pressure (max.) 127 gal/min 480 L/mir Hydraulic oil tank (CAT + additional) 67.4 gal 255 L AUXILIARY HYDRAULIC SYSTEM Pump Displacement 3.66 in³ 60 cc3 Auxiliary circuit flow rate (max.) 29 gal/min 108 L/mir UNDERCARRIAGE Track length 19 ft 8 in 6,000 mm Transport position width (retracted) 9 ft 10 in 3,000 mm Track shoes width 32 in 800 mm Max. drawbar pull 51,930 lbf 23,100 kgf Max. travel speed 3.1 mph 5 km/f TRANSPORT Overall Height (Standard Mast) 11 ft 2 in 3,400 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Standard Mast) 42 ft 11 in 13,090 mm Transport Length (Standard Mast) 9 ft 10 in 3,000 mm Transport Length (Standard Mast) 17,605 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Weight (Standard Mast) 17,000 lb 68,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 63,200 kg Max. Transport Weight (Standard Mast) 137,000 lb 62,200 kg Min. Transport Weight (Standard Mast) 137,000 lb 62,200 kg Min. Transport Weight (Standard Mast) 137,000 lb 62,200 kg Min. Transport Weight (Standard Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 48,600 kg GENERAL DATA Overall Height (Working position; Short Mast) 31 ft 9,450 mm Operation Weight (Working position; Short Mast) 165,000 lb 75,000 kg			504 TI 4 FI
Displacement 568 in ³ 9.3 L			
HYDRAULIC SYSTEM Main circuit pressure (max.) Main circuit Flow rate (max.) May be a compared to a			
Main circuit pressure (max.) Main circuit Flow rate (max.) Main circuit Flow rate (max.) Main circuit Flow rate (max.) Hydraulic oil tank (CAT + additional) AUXILIARY HYDRAULIC SYSTEM Pump Displacement Auxiliary circuit flow rate (max.) Main Lin circuit flow rate (max.) Main circuit flow rate (max.) Main lin fla in	Fuel tank		
Main circuit pressure (max.) Main circuit Flow rate (max.) Main circuit Flow rate (max.) Main circuit Flow rate (max.) Hydraulic oil tank (CAT + additional) AUXILIARY HYDRAULIC SYSTEM Pump Displacement Auxiliary circuit flow rate (max.) Main Lin circuit flow rate (max.) Main circuit flow rate (max.) Main lin fla in	HADDVIII IC CACLEM		
Main circuit Flow rate (max.) Hydraulic oil tank (CAT + additional) AUXILIARY HYDRAULIC SYSTEM Pump Displacement Auxiliary circuit flow rate (max.) By gal/min By gal/min Comparison of the state of	Main circuit pressure (max.)		380 bar
AUXILIARY HYDRAULIC SYSTEM Pump Displacement Auxiliary circuit flow rate (max.) 29 gal/min 108 L/mir UNDERCARRIAGE Track length Length to center of rollers Transport position width (retracted) Operation position width (retracted) 9 ft 10 in 3,000 mm Operation position width (extended) 14 ft 1 in 4,300 mm Track shoes width 32 in 800 mm Max. drawbar pull 51,930 lbf 23,100 kgf Max. travel speed 3.1 mph 5 km/r TRANSPORT Overall Height (Standard Mast) 11 ft 2 in 3,400 mm Transport Length (Standard Mast) 12 ft 3,650 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Standard Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 117,000 lb 66,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 66,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 66,200 kg Min. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 75,000 kg GENERAL DATA Overall Height (Working position; Standard Mast) 165,000 lb 75,000 kg	Main circuit Flow rate (max.)	127 gal/min	480 L/min
Pump Displacement Auxiliary circuit flow rate (max.) UNDERCARRIAGE Track length Length to center of rollers Transport position width (retracted) Operation position width (extended) Track shoes width Max. drawbar pull Transport posed TRANSPORT Overall Height (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Width (Standard Mast) Transport Width (Standard Mast) Transport Weight (Standard Mast) Max. Transport Usength (Standard Mast) Max. Transport Usength (Standard Mast) Max. Transport Weight (Standard Mast) Max	Hydraulic oil tank (CAT + additional)		255 L
Auxiliary circuit flow rate (max.) UNDERCARRIAGE Track length Length to center of rollers Transport position width (retracted) Operation position width (extended) Track shoes width Max. drawbar pull Overall Height (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Width (Standard Mast) Max. Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Transport Unit (Standard M	AUXILIARY HYDRAULIC SYSTEM		
UNDERCARRIAGE Track length 19 ft 8 in 6,000 mm Length to center of rollers 16 ft 5 in 5,000 mm Transport position width (retracted) 9 ft 10 in 3,000 mm Operation position width (extended) 14 ft 1 in 4,300 mm Track shoes width 32 in 800 mm Max. drawbar pull 51,930 lbf 23,100 kgf Max. travel speed 3.1 mph 5 km/r TRANSPORT Overall Height (Standard Mast) 11 ft 2 in 3,400 mm Overall Height (Short Mast) 12 ft 3,650 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Short Mast) 42 ft 11 in 13,090 mm Transport Width (Standard Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 147,000 lb 66,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 53,200 kg Max. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 48,600 kg GENERAL DATA Overall Height (Working position; Standard Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Standard Mast) 31 ft 9,450 mm Overall Height (Working position; Short Mast) 31 ft 9,450 mm Overall Height (Standard Mast) 165,000 lb 75,000 kg	Pump Displacement		60 cc3
Track length	Auxiliary circuit flow rate (max.)	29 gai/min	TU8 L/min
Length to center of rollers Transport position width (retracted) Operation position width (retracted) Operation position width (extended) Track shoes width Track shoes width Max. drawbar pull Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Width (Standard Mast) Transport Width (Standard Mast) Transport Wight (Standard Mast) Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Transport Weight (Standard Mast) Transport Weight (Standard Mast) Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Transport Weight (Short M	UNDERCARRIAGE	40.00	0.000
Transport position width (retracted) Operation position width (extended) Track shoes width As 2 in Boo mm Max. drawbar pull Max. travel speed TRANSPORT Overall Height (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Width (Standard Mast) Transport Weight (Standard Mast) Transport Weight (Standard Mast) Transport Weight (Standard Mast) Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Transport Weight (Short Mast) Transport Weig			
Operation position width (extended) Track shoes width 32 in 800 mm Max. drawbar pull 51,930 lbf 23,100 kgf Max. travel speed 3.1 mph 5 km/r TRANSPORT Overall Height (Standard Mast) 11 ft 2 in 3,400 mm Overall Height (Standard Mast) 12 ft 3,650 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Standard Mast) 42 ft 11 in 13,090 mm Transport Width (Standard Mast / Short Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 117,000 lb 66,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 53,200 kg Max. Transport Weight (Short Mast) 107,000 lb 62,200 kg Min. Transport Weight (Short Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Standard Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Standard Mast) 31 ft 9,450 mm Operation Weight (Standard Mast) 165,000 lb 75,000 kg			
Track shoes width 32 in 800 mm Max. drawbar pull 51,930 lbf 23,100 kgf Max. travel speed 3.1 mph 5 km/r TRANSPORT Overall Height (Standard Mast) 11 ft 2 in 3,400 mm Overall Height (Short Mast) 12 ft 3,650 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Short Mast) 42 ft 11 in 13,090 mm Transport Width (Standard Mast / Short Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 147,000 lb 66,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 53,200 kg Max. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 48,600 kg GENERAL DATA Overall Height (Working position; Standard Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Short Mast) 31 ft 9,450 mm Operation Weight (Standard Mast) 165,000 lb 75,000 kg			
Max. drawbar pull 51,930 lbf 23,100 kgt Max. travel speed 3.1 mph 5 km/r TRANSPORT Overall Height (Standard Mast) 11 ft 2 in 3,400 mm Overall Height (Short Mast) 12 ft 3,650 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Short Mast) 42 ft 11 in 13,090 mm Transport Width (Standard Mast / Short Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 147,000 lb 66,800 kg Min. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 48,600 kg GENERAL DATA Overall Height (Working position; Standard Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Short Mast) 31 ft 9,450 mm Operation Weight (Standard Mast) 165,000 lb 75,000 kg	Track shoes width		800 mm
TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Weight (Standard Mast) Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Short Mast) Min. Tran			23,100 kgt
Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Min. Transport Weight (Short Mast) Max. Transport Weight (Short Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Moverall Height (Working position; Standard Mast) Overall Height (Working position; Short Mast) Overall Height (Standard Mast) Toporation Weight (Standard Mast)	ıvıax. grawbar pull		
Overall Height (Short Mast) 12 ft 3,650 mm Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Short Mast) 42 ft 11 in 13,090 mm Transport Width (Standard Mast / Short Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 147,000 lb 66,800 kg Min. Transport Weight (Short Mast) 117,000 lb 53,200 kg Max. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 48,600 kg GENERAL DATA Overall Height (Working position; Standard Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Short Mast) 31 ft 9,450 mm Operation Weight (Standard Mast) 165,000 lb 75,000 kg	Max. travel speed		J KIII/I.
Transport Length (Standard Mast) 57 ft 9 in 17,605 mm Transport Length (Short Mast) 42 ft 11 in 13,090 mm Transport Width (Standard Mast / Short Mast) 9 ft 10 in 3,000 mm Max. Transport Weight (Standard Mast) 147,000 lb 66,800 kg Min. Transport Weight (Standard Mast) 117,000 lb 53,200 kg Max. Transport Weight (Short Mast) 137,000 lb 62,200 kg Min. Transport Weight (Short Mast) 107,000 lb 48,600 kg GENERAL DATA Overall Height (Working position; Standard Mast) 82 ft 9 in 25,220 mm Overall Height (Working position; Short Mast) 31 ft 9,450 mm Operation Weight (Standard Mast) 165,000 lb 75,000 kg	Max. travel speed TRANSPORT	3.1 mph	
Transport Length (Short Mast) Transport Width (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Max. Transport Weight (Standard Mast) Max. Transport Weight (St	Max. travel speed TRANSPORT Overall Height (Standard Mast)	3.1 mph 11 ft 2 in	3,400 mm
Transport Width (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Max. Transport Weight (Standard Mast) Max. Tra	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast)	3.1 mph 11 ft 2 in 12 ft	3,400 mm 3,650 mm
Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Standard Mast) Min. Transport	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in	3,400 mm 3,650 mm 17,605 mm
Min. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) GENERAL DATA Overall Height (Working position; Standard Mast) Overall Height (Working position; Short Mast) Overall Height (Working position; Short Mast) Operation Weight (Standard Mast) Mastheria (Standard Mast	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Short Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in	3,400 mm 3,650 mm 17,605 mm 13,090 mm
Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) GENERAL DATA Overall Height (Working position; Standard Mast) Overall Height (Working position; Short Mast) Overall Height (Working position; Short Mast) Overall Height (Standard Mast) Operation Weight (Standard Mast) 165,000 lb 75,000 kg	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Short Mast) Transport Width (Standard Mast / Short Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in	3,400 mm 3,650 mm 17,605 mm 13,090 mm 3,000 mm
Min. Transport Weight (Short Mast) GENERAL DATA Overall Height (Working position; Standard Mast) Overall Height (Working position; Short Mast) Operation Weight (Standard Mast) 107,000 lb 48,600 kg 48,600 kg 31 ft 9,450 mm 75,000 kg	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Short Mast) Transport Width (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in 147,000 lb	3,400 mm 3,650 mm 17,605 mm 13,090 mm 3,000 mm 66,800 kg
Overall Height (Working position; Standard Mast)82 ft 9 in25,220 mmOverall Height (Working position; Short Mast)31 ft9,450 mmOperation Weight (Standard Mast)165,000 lb75,000 kg	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Short Mast) Transport Width (Standard Mast / Short Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in 147,000 lb 117,000 lb	3,400 mm 3,650 mm 17,605 mm 13,090 mm 3,000 mm 66,800 kg 53,200 kg
Overall Height (Working position; Standard Mast)82 ft 9 in25,220 mmOverall Height (Working position; Short Mast)31 ft9,450 mmOperation Weight (Standard Mast)165,000 lb75,000 kg	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Short Mast) Transport Width (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in 147,000 lb 117,000 lb	3,400 mm 3,650 mm 17,605 mm 13,000 mm 3,000 mm 66,800 kg 53,200 kg 62,200 kg 48,600 kg
Operation Weight (Standard Mast) 165,000 lb 75,000 kg	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Weight (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in 147,000 lb 117,000 lb	3,400 mm 3,650 mm 17,605 mm 13,090 mm 3,000 mm 66,800 kg 53,200 kg 62,200 kg
	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Standard Mast) Transport Width (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) GENERAL DATA Overall Height (Working position; Standard Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in 147,000 lb 117,000 lb 137,000 lb 107,000 lb	3,400 mm 3,650 mm 17,605 mm 13,090 mm 3,000 mm 66,800 kg 53,200 kg 62,200 kg 48,600 kg
	Max. travel speed TRANSPORT Overall Height (Standard Mast) Overall Height (Short Mast) Transport Length (Standard Mast) Transport Length (Short Mast) Transport Width (Standard Mast / Short Mast) Max. Transport Weight (Standard Mast) Min. Transport Weight (Standard Mast) Max. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) Min. Transport Weight (Short Mast) GENERAL DATA Overall Height (Working position; Standard Mast) Overall Height (Working position; Short Mast)	3.1 mph 11 ft 2 in 12 ft 57 ft 9 in 42 ft 11 in 9 ft 10 in 147,000 lb 117,000 lb 137,000 lb 107,000 lb	3,400 mm 3,650 mm 17,605 mm 13,090 mm 3,000 mm 66,800 kg 53,200 kg 62,200 kg 48,600 kg



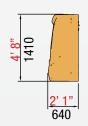
GENERAL DIMENSIONS



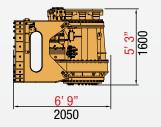
TRANSPORT POSITION GENERAL DIMENSIONS



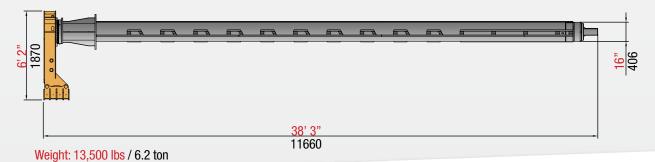
Weight: 117,000 lb / 53.2 ton



Width: 9 ft 10 in / 3,000 Weight: 18,700 lbs / 8.5 ton

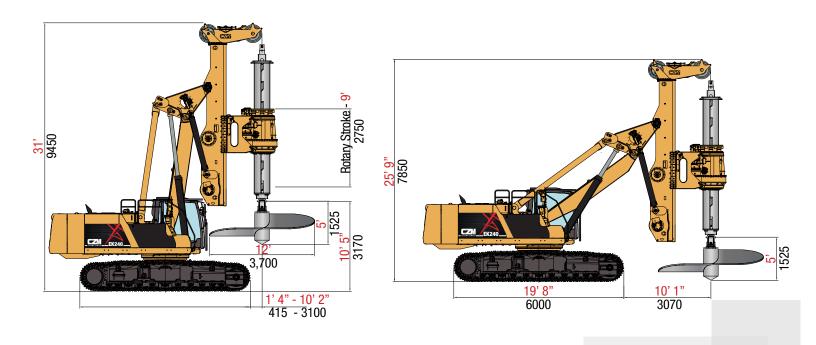


Width: 6 ft 4 in / 1,930 Weight: 11,000 lbs / 5 ton

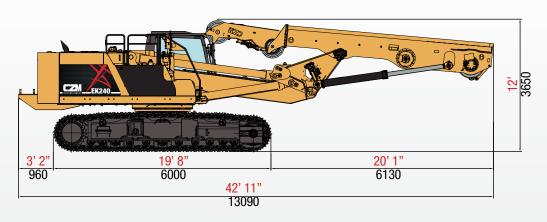




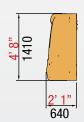
SHORT MAST GENERAL DIMENSIONS



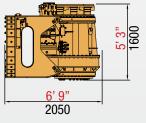
SHORT MAST TRANSPORT POSITION



Weight: 107,000 lb / 48.6 ton

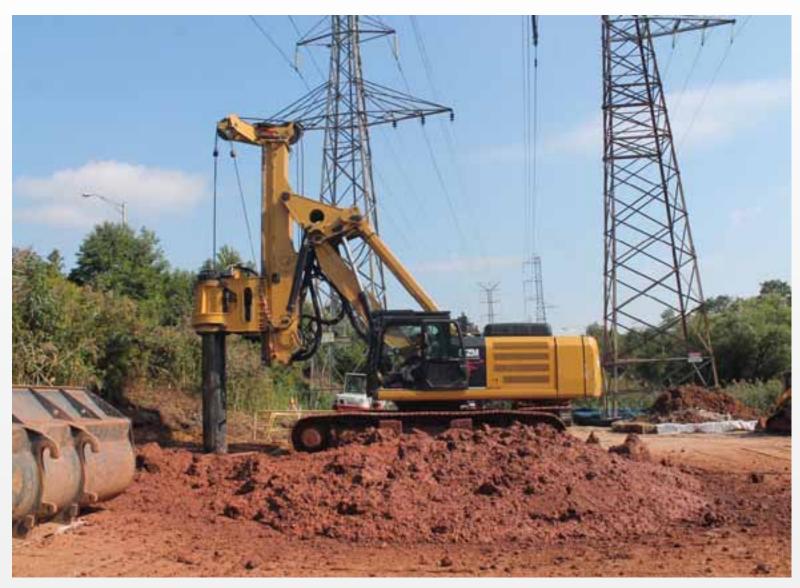


Width: 9 ft 10 in / 3,000 mm Weight: 18,700 lbs / 8.5 ton



Width: 6 ft 4 in / 1,930 mm Weight: 11,000 lbs / 5 ton

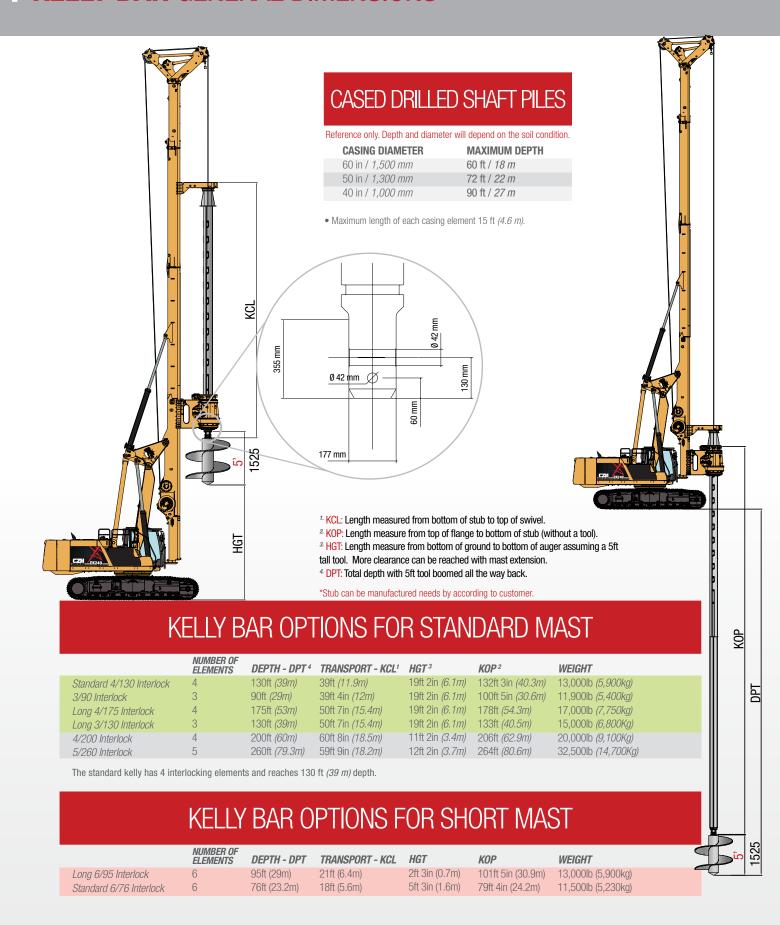








KELLY BAR GENERAL DIMENSIONS













∠THE COMPANY

CZM is headquartered in Savannah, Georgia, USA. For over 40 years, we have specialized in manufacturing foundation equipment. We design and customize models for many different drilling applications including Drill shafts, CFA/cased CFA, Micropile and anchoring, piledrive and hydraulic hammers and soil improvements. We are a Caterpillar OEM (Original Equipment Manufacturer).



HEADQUARTERS

962 Interstate Centre Boulevard Ellabell • Georgia • 31308 United States • Phone: (912) 200-7654

AFTER SALES - GEORGIA

145 East Industrial Boulevard Pembroke • Georgia • 31321 United States • Phone: (912) 200-7654

AFTER SALES - TEXAS

2501 Blue Mound Rd. W Haslet • Texas • 76052 United States • Phone: (817) 232-8053

WWW.CZM-US.COM