



# TK30

CRAWLER CRANE

# TK30

Suitable for all types of terrain. Compact and easy to transport.





**30 t**  
MAX LOAD CAPACITY

**25.5 m**  
MAX LIFTING HEIGHT

**4 km/h**  
MAX SPEED

**27 t**  
TOTAL WEIGHT

**129 kW**  
ENGINE

The TK30 is a compact and easy to maneuver crawler crane. The electronic foot control driving system (with optional steering wheel), the Danfoss-managed travel system, and the compact dimensions allow the operator to handle the crane even in confined spaces. The tracked undercarriage with widenable track and the height of only 3015mm guarantee ease of loading and transport.

## BOOM

### TELESCOPIC BOOM

Telescopic boom in high resistance steel. 1 base element and 3 synchronized extensions.

### JIB

Jib 1.5 m.  
Jib 6 m - foldable and inclinable 0°-20°.

### BOOM EXTENSION CYLINDER

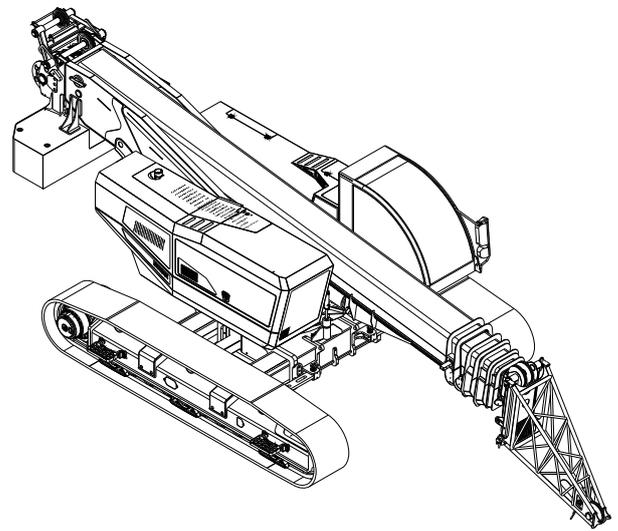
One single-stage cylinder.

### BOOM LENGHT

24.95 m

### PICK & CARRY

- 28 ton at 3 m  
- 18 ton at 4 m





## CAB

### DRIVING

Ergonomic driving system with electronic foot controls (optional steering wheel and pedal accelerator available). Dual Path mode with active counter-rotation. Automatic/manual Park Brake management.

### OPERATOR'S CAB

Cab with great visibility, comfortable and equipped with sliding windows. Front and upper glass with wiper. Corrosion resistant paint. Wide visibility for different working conditions.

### COMFORT

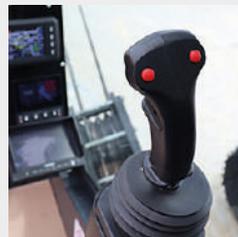
Air conditioning, heating and air-suspension seat. Seat belts. Ample lighting in the operator's cab.



Ergonomic driving with electronic foot controls



Clear and intuitive instrument panel



Control joystick for operating functions (right)



Control joystick for operating functions (left)

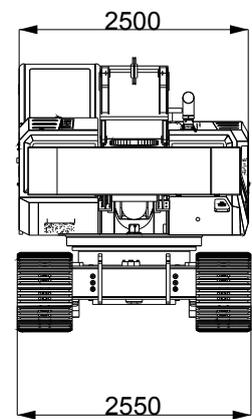
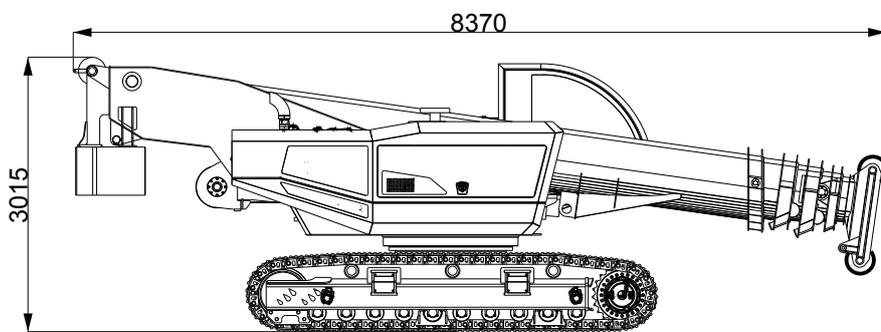
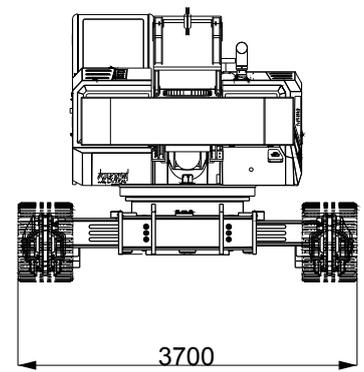
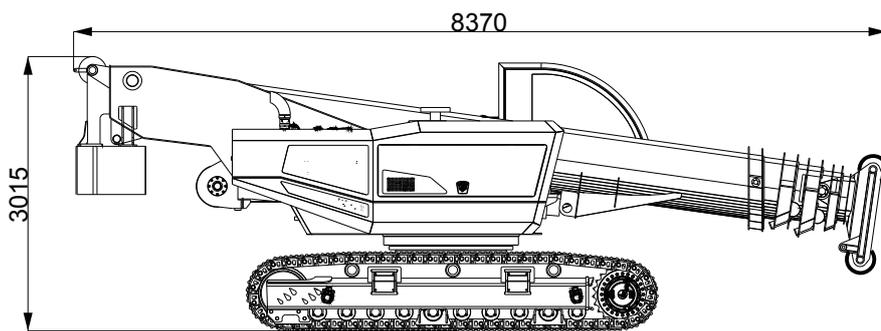


Comfortable cab equipped with air conditioning, heating, air-suspension seat



TECHNICAL FEATURES	Maximum load capacity	30	t
	Capacity	30	t
	Maximum lifting height	25.5	m
OPERATING SPEED	Winch speed	67/154	m/min
	Length and diameter of winch ropes	L 160 Ø 13	m - mm
	Boom lifting speed	55	s
	Boom extension speed	80	s
	Turret rotation speed	2	r/min
	Maximum speed	4	km/h
	Maximum slope	87.8	%
CRANE	Emissions	EU 2016/1628	
	Total weight	27	t
DIMENSIONS	Total size	8,370x2,550x3,015	mm
	Boom length	24.95	m
	Boom tilt	-2 +80	°

## DIMENSIONS



## EQUIPMENT

### UNDERCARRIAGE

Undercarriage	Tracked undercarriage with hydraulically widenable track. Track width of 600mm.
Travel	Hydraulic travel drive controlled by a Danfoss control unit. Two pumps and two closed-circuit motors allow it to reach 4 km/h. The machine is equipped with an anti-dumping filter to absorb the oscillations on the pedal and on the steering wheel during the work phase.
Electrical system	CAN Bus data transmission. 24 Volt direct current.

### DRIVING

Driving	Ergonomic driving system with electronic foot controls (optional steering wheel available) Dual Path mode with active counter-rotation. Automatic/manual Park Brake management.
Operator's cab	Cab with great visibility, comfortable and equipped with sliding windows. Front and upper glass with wiper. Corrosion resistant paint. Wide visibility for different working conditions.
Comfort	Air conditioning, heating and air-suspension seat. Seat belts. Ample lighting in the operator's cab.

### BOOM

Telescopic boom	Telescopic in high resistance steel. 1 base element and 3 synchronized extensions.
Boom extension cylinder	One single-stage cylinder.
Boom length	24.95 m

### LIFTING

Pick & Carry	- 28 ton at 3 m - 18 ton at 4 m
Travel and lifting	Lifting up to 1,000 kg with free track. Lifting program useful for transferring equipment.

### TURRET

Chassis	Anti-torsion welded structure, in high-strength steel.
Rotation	Continuous 360° using axial piston hydraulic motor. Planetary gearbox with internal toothed fifth wheel and double row of balls. Multiple disc negative brake.
Control	Hydraulically operated manipulators with the possibility of simultaneous proportional maneuvers.
Lifting winch	Variable displacement axial piston engine. Lifting drum with integrated planetary gearbox and parking brake with multiple discs. Block valve and descent control. Cable gland to improve the winding of the rope on the drum.
Hydraulic system	Open circuit system with axial piston hydraulic pumps. Proportional hydraulic distributors with load sensing power regulation. Possibility of performing multiple maneuvers simultaneously. Heat exchanger for oil cooling. Oil filtering through 1 cartridge filter on the return circuit.
Hydraulic oil tank	400 l
Electrical system	24 V power supply. CAN Bus vehicle management network. 2 batteries, each with 143Ah.
Safety devices	Electronic load limiter with indication of boom tilt, boom length, lifted load, maximum liftable load. Limit switches. Safety valves on all hydraulic functions.
Ballast	In a single piece with a weight of 4.4 tons.
Cameras	1 camera located on the rear side to increase visibility during more restricted maneuvers. 1 camera for supervising the winding of the rope on the winch.

### ENGINE

Engine	Cummins F 3.8 Stage V- Tier 4f- 129 kW@2200rpm.
Diesel tank	300 l
Def tank	38 l



TABLE 01

OVER FULL RANGE (360°). Crawlers fully extended - Slope 0° - CWT 4400 kg

RADIUS (m)	BOOM LENGTH				
	8,05	12,33	16,70	20,88	25,15
2	30.000				
3	28.500	17.000	16.200	16.100	10.000
4	18.800	17.000	15.300	15.500	10.000
5	13.200	12.850	11.600	10.600	9.700
6		9.600	9.150	8.500	7.900
7		7.600	7.500	7.000	6.500
8		6.100	6.150	5.900	5.500
9		5.100	5.150	5.000	4.750
10			4.350	4.350	4.100
11			3.700	3.700	3.600
12			3.200	3.200	3.100
13			2.750	2.800	2.750
14				2.450	2.450
15				2.150	2.150
16				1.850	1.900
17				1.600	1.650
18					1.450
19					1.300
20					1.100
21					950
22					700
23					
Reeving	12	6	6	6	4
1a	0%	25%	50%	75%	100%
2a	0%	25%	50%	75%	100%
3a	0%	25%	50%	75%	100%
4a	0%	25%	50%	75%	100%
	Maximum permissible wind speed v = 49 km/h				

TABLE 01

OVER FULL RANGE (360°). Crawlers fully extended - Slope 0° - CWT 4400 kg

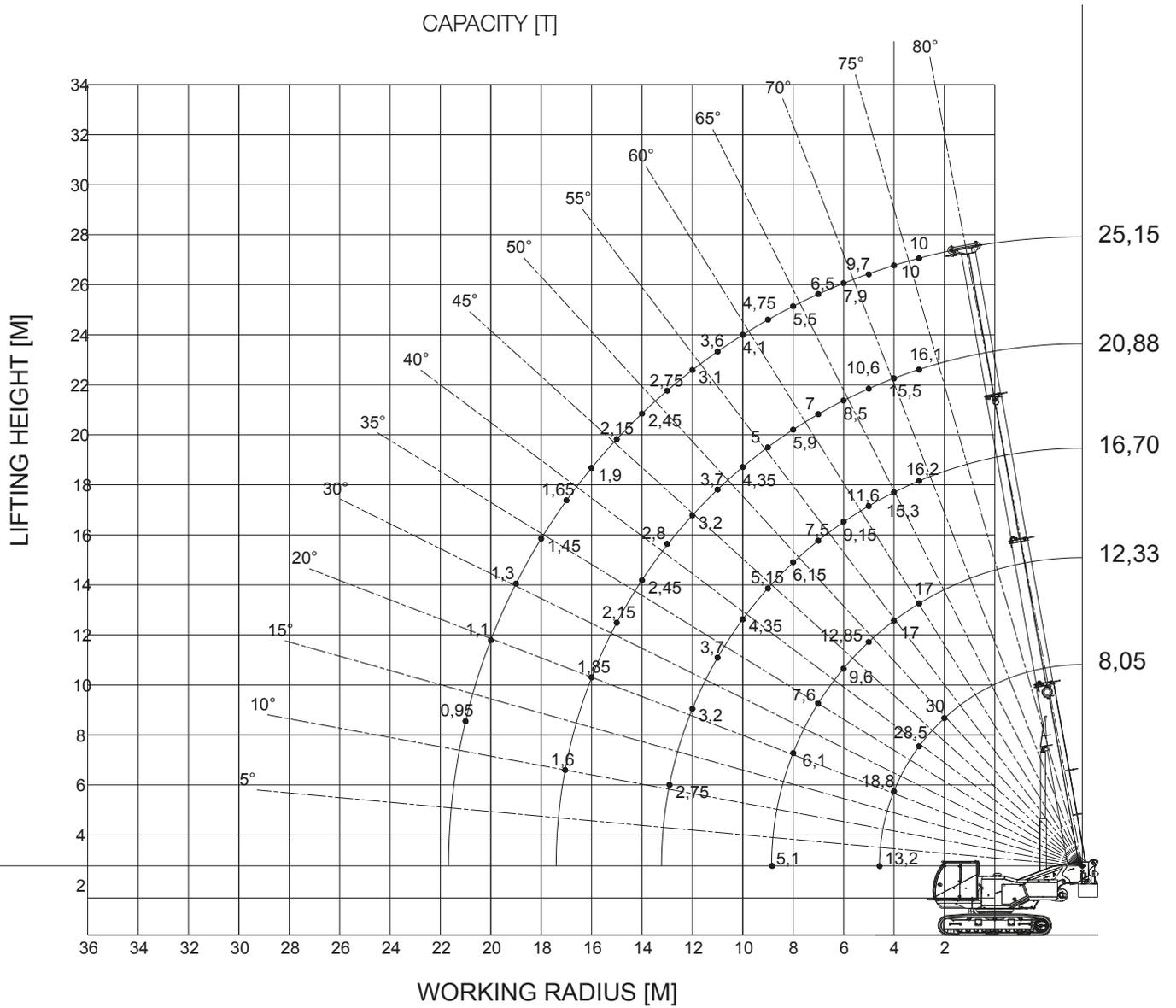


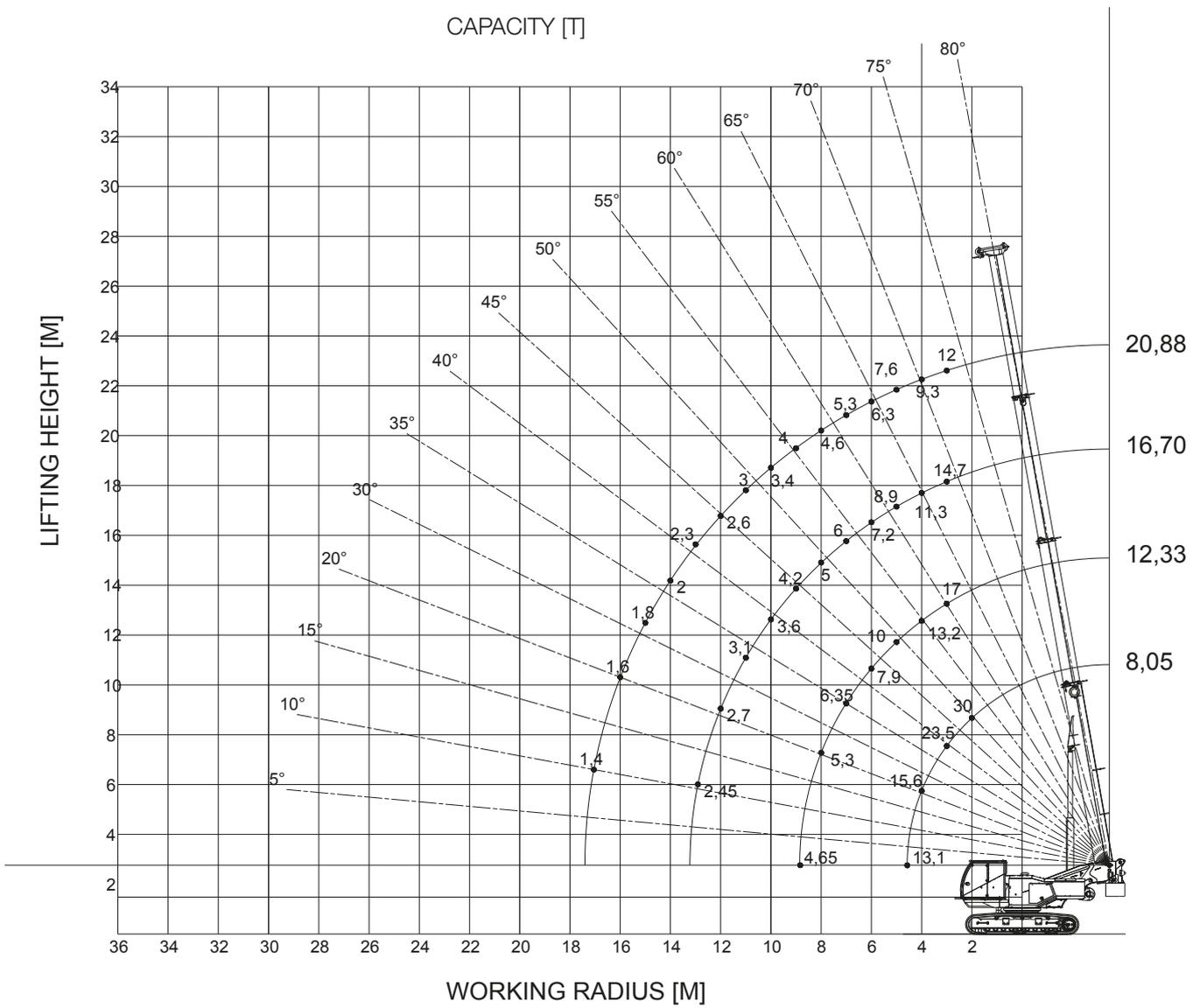
TABLE 02

OVER FULL RANGE (360°). Crawlers fully extended - Travelling speed 1,4 km/h -  
Longitudinal slope 3° - Transverse slope 1° - CWT 4400kg

RADIUS (m)	BOOM LENGHT				
	8,05	12,33	16,70	20,88	25,15
2	30.000				
3	23.500	17.000	14.700	12.000	-
4	15.600	13.200	11.300	9.300	-
5	13.100	10.000	8.900	7.600	-
6		7.900	7.200	6.300	-
7		6.350	6.000	5.300	-
8		5.300	5.000	4.600	-
9		4.650	4.200	4.000	-
10			3.600	3.400	-
11			3.100	3.000	-
12			2.700	2.600	-
13			2.450	2.300	-
14				2.000	-
15				1.800	-
16				1.600	-
17				1.400	-
18					-
19					-
20					-
21					-
22					-
23					
Reeving	12	6	6	6	4
1a	0%	25%	50%	75%	100%
2a	0%	25%	50%	75%	100%
3a	0%	25%	50%	75%	100%
4a	0%	25%	50%	75%	100%
	Maximum permissible wind speed v = 49 km/h				

TABLE 02

OVER FULL RANGE (360°). Crawlers fully extended - Travelling speed 1,4 km/h -  
 Longitudinal slope 3° - Transverse slope 1° - CWT 4400kg



## OPTIONAL EXTRAS

- Auxiliary winch
- Jib 1.5 m
- Jib 6 m - foldable and tiltable 0°-20°
- Tilting cab
- Industry 4.0 kit
- Cameras / additional headlights kit
- Electric fuel pump
- Radio control for loading and unloading
- Custom painting
- Rubber pads kit

All data, technical characteristics and information reported in this document are for informational purposes and are subject to change without any prior notice requirement. All specifications described do not constitute a guarantee since the performance of the machine varies depending on use.

Machine illustrations may contain optional and additional equipment. The dimensional data refers to average reference measurements indicated for informational purposes only.

The commissioning of the machine and its correct use require compliance with the use and maintenance manual.

The weights of hooks, blocks and all lifting accessories are part of the load and must be deducted from the loads indicated.

Please contact TeknoGRC for more information regarding optional and additional equipment.

## OUR RANGE



TK20



TK30



TK40



TK45 LS



TK35 T



CG 2040



TKC150-5

**Do you need a custom crane?** We make machinery on request specific to the customer's needs. For more information, contact us at the e-mail address [info@teknogrc.it](mailto:info@teknogrc.it)



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