



CG 2040

CITY CRANE

CG 2040

Ideal for lifting and handling operations even in urban contexts.





POWERFUL

The 6.7 engine of 231 Kw, the permanent all-wheel drive and the gear guarantee the reaching of apparently inaccessible workplaces.



COMPACT

The 8.6 m length, the steering radius and the Pick & Carry mode on tires allow lifting and handling both in city and industrial areas.



FAST

The easy and ergonomic controls and the wide visibility of the cab reduce machine stabilization operations to a minimum. The independent selection of the 1st section from the 2nd-3rd-4th offers the operator different lifting configurations.



40 t
MAX LOAD CAPACITY

32 m
MAX LIFTING HEIGHT

65 km/h
MAX SPEED

24 t
TOTAL WEIGHT

231 kW
ENGINE

The CG 2040 is a compact and powerful mobile crane suitable for different working conditions. The innovative fully adjustable horizontal suspension system, the result of 40 years of experience in the lifting field, allows the most impassable workplaces to be reached. The small dimensions make the CG 2040 the ideal vehicle for lifting and handling operations even in city contexts. The attention to the environment and the low level of emissions allow the free movement of the crane.

BOOM

TELESCOPIC BOOM

Telescopic boom in high-strength steel. 1 base section, 1 independent telescopic section and 3 synchronized telescopic sections.

BOOM EXTENSION CYLINDER

Single two-stage cylinder.

BOOM LENGTH

30.65 m

PICK & CARRY

Lifting up to 11.8 t.





CAB

DRIVING

Comfortable driving position with height-adjustable and tilt-adjustable steering wheel. Ergonomically and functionally arranged controls. Rear-view camera for safe maneuvering in confined spaces.

OPERATOR'S CAB

Cab with great visibility, comfortable and equipped with sliding windows. Front and top safety glass with wiper. Seat with integrated headrest. Wide field of vision for different working conditions. Corrosion-resistant paint.

COMFORT

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



Steering wheel adjustable in height and tilt



Clear and intuitive instrument panel



Control joystick for operating functions



Air conditioning, heating, radio controls



Comfortable cab equipped with sliding windows



TECHNICAL FEATURES - OPERATING SPEED - DIMENSIONS	Maximum load capacity	40	t
	Maximum lifting height	32	m
	Winch speed	67/154	m/min
	Winch rope length and diameter	L 160 Ø 13	m - mm
	Boom lifting speed	55	s
	Boom extension speed	60	s
	Upper structure rotation speed	3	r/min
	Maximum speed	65	km/h
	Maximum slope	30	%
	Road steering radius	11.5	m
	Construction site steering radius	6.5	m
	Emissions	EU 2016/1628	
	Total weight	24	t
	Weight on the 1st axle	12	t
	Weight on the 2nd axle	12	t
	Total size	8,600x2,550x3,200	mm
	Boom lenght	30.65	m
	Boom tilt	-2 +80	°

DIMENSIONS

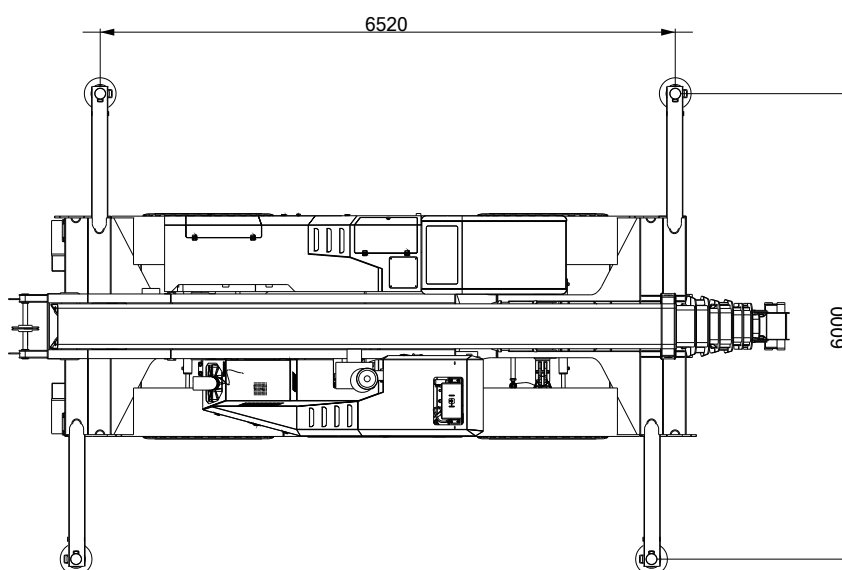
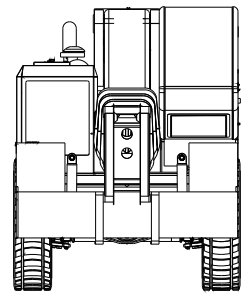
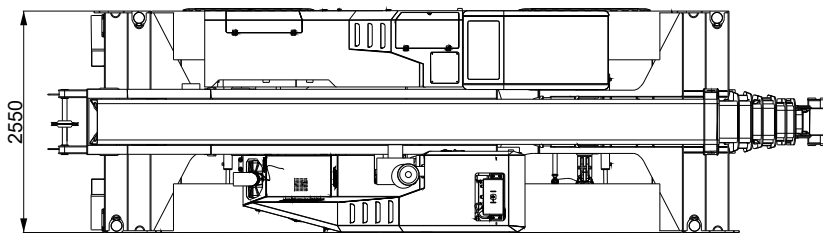
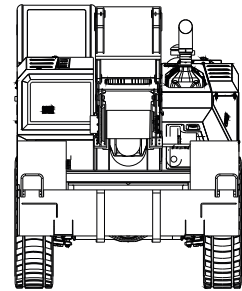
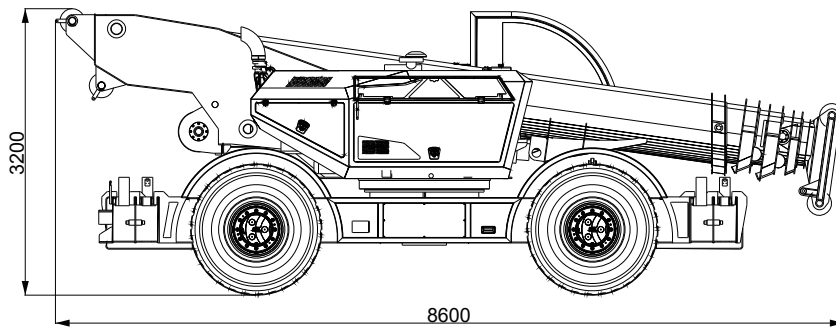


TABLE 01

Outriggers fully extended - On front

RADIUS (m)	BOOM LENGTH (m)											
	7,85	10,70	13,55	13,55	16,40	19,25	19,25	22,10	24,95	24,95	27,80	30,65
2,5	40.000	34.500										
3,0	36.500	32.500										
3,5	34.000	30.500										
4,0	29.500	29.000										
4,5		25.300										
5,0		13.500										
6,0												
7,0												
8,0												
9,0												
10,0												
11,0												
12,0												
13,0												
14,0												
15,0												
16,0												
17,0												
18,0												
19,0												
20,0												
21,0												
22,0												
23,0												
25,0												
27,0												
Reeving	14	12										
1a	0%	50%										
2a	0%	0%										
3a	0%	0%										
4a	0%	0%										
Maximum permissible wind speed $v = 49$ km/h												

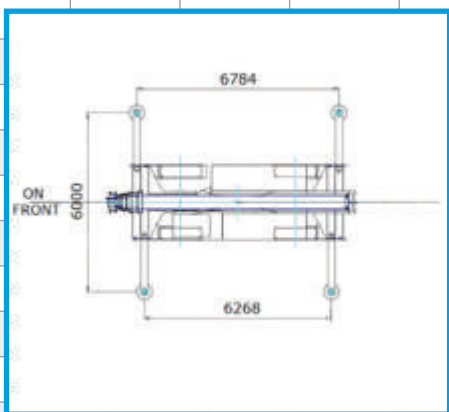


TABLE 02

Outriggers fully extended - Over full range

RADIUS (m)	BOOM LENGTH (m)											
	7,85	10,70	13,55	13,55	16,40	19,25	19,25	22,10	24,95	24,95	27,80	30,65
2,5	30.000	27.500	24.000	15.000	14.500	14.400	14.000	13.300				
3,0	25.400	23.200	20.700	15.300	14.700	14.500	14.100	13.400	13.300	10.850		
3,5	21.400	20.000	19.000	15.700	14.900	14.600	14.200	13.500	13.400	10.850	4.500	
4,0	18.300	17.200	16.500	16.000	15.100	14.700	14.300	13.600	13.500	10.850	4.500	4.000
4,5		15.200	14.400	16.000	15.100	14.200	14.350	13.700	13.600	10.850	4.500	4.000
5,0			13.000	14.400	13.700	13.500	13.000	13.250	12.500	10.850	4.500	4.000
6,0			10.400	12.000	11.200	11.600	10.750	11.100	10.550	10.600	4.500	4.000
7,0			8.600	10.000	9.450	10.000	9.000	9.300	8.900	9.500	4.500	4.000
8,0			7.300	8.600	8.100	8.600	7.600	8.000	7.700	8.300	4.500	4.000
9,0			6.200	7.500	6.900	7.450	6.500	7.050	6.500	7.350	4.500	4.000
10,0			5.200	6.500	6.100	6.600	5.200	6.150	5.200	6.500	4.500	4.000
11,0					5.200	5.850	4.900	5.200	4.900	5.800	4.500	4.000
12,0					4.440	5.050	4.100	4.400	4.100	5.050	4.400	4.000
13,0						4.350	3.450	4.050	3.450	4.350	4.050	3.450
14,0						3.800	2.950	3.500	2.950	3.800	3.500	2.950
15,0						3.350	2.500	3.050	2.500	3.350	3.050	2.500
16,0								2.700	2.450	3.100	2.700	2.450
17,0								2.350	2.150	2.750	2.350	2.150
18,0								2.050	1.850	2.450	2.050	1.850
19,0									1.600	2.200	2.000	1.600
20,0									1.400	2.000	1.750	1.400
21,0									1.200	1.800	1.550	1.200
22,0											1.400	1.100
23,0											1.250	1.050
25,0												800
27,0												550
Reeving	12	12	12	12	6	6	6	6	6	6	4	4
1a	0%	50%	100%	0%	50%	0%	100%	50%	100%	0%	50%	100%
2a	0%	0%	0%	33%	33%	67%	33%	67%	67%	100%	100%	100%
3a	0%	0%	0%	33%	33%	67%	33%	67%	67%	100%	100%	100%
4a	0%	0%	0%	33%	33%	67%	33%	67%	67%	100%	100%	100%
Maximum permissible wind speed v = 49 km/h												

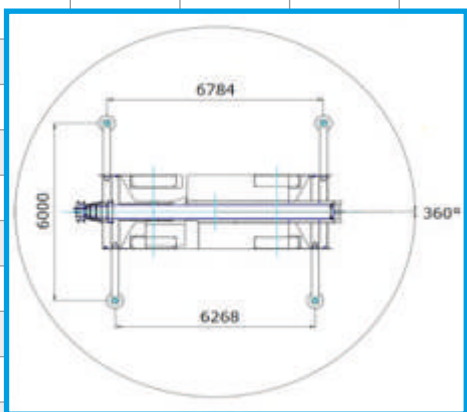


TABLE 03

On wheels - On front

RADIUS (m)	BOOM LENGTH (m)											
	7,85	10,70	13,55	13,55	16,40	19,25	19,25	22,10	24,95	24,95	27,80	30,65
2,5												
3,0	11.800	10.700	10.000									
3,5	10.500	9.600	9.000									
4,0	9.500	8.800	8.100									
4,5		8.000	7.400									
5,0		7.200	6.700									
5,5		6.500	6.000									
6,0		6.000	5.500									
6,5		5.500	5.000									
7,0		5.150	4.500									
7,5			4.150									
8,0			3.600									
8,5			3.100									
9,0			2.700									
14,0												
15,0												
16,0												
17,0												
18,0												
19,0												
20,0												
21,0												
22,0												
23,0												
25,0												
27,0												
Reeving	6	6	6									
1a	0%	50%	100%									
2a	0%	0%	0%									
3a	0%	0%	0%									
4a	0%	0%	0%									
Maximum permissible wind speed $v = 49 \text{ km/h}$												

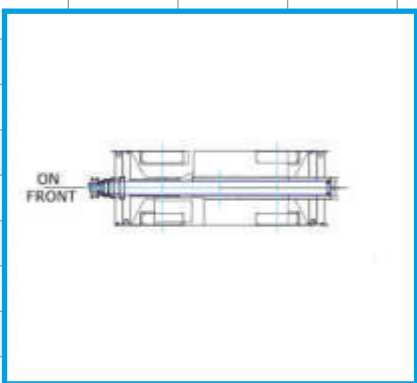
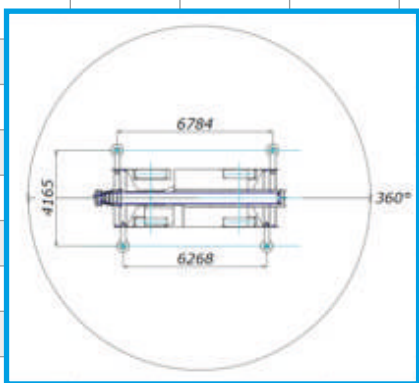


TABLE 04

Outriggers 50% extended - Over full range

RADIUS (m)	BOOM LENGTH (m)											
	7,85	10,70	13,55	13,55	16,40	19,25	19,25	22,10	24,95	24,95	27,80	30,65
2,5	30.000	27.500	24.000	15.000	14.500	14.400	14.000	13.300				
3,0	25.400	23.200	20.700	15.300	14.700	14.500	14.100	13.400	13.300	10.850		
3,5	21.400	20.000	19.000	15.700	14.900	14.600	14.200	13.500	13.400	10.850	4.500	
4,0	18.300	17.200	16.000	15.500	15.100	14.700	14.300	13.600	13.500	10.850	4.500	4.000
4,5		14.000	13.000	12.500	12.000	14.200	13.200	13.700	12.500	10.850	4.500	4.000
5,0			10.500	11.500	10.400	10.500	11.400	11.300	11.000	10.850	4.500	4.000
6,0			7.500	8.700	8.000	7.700	7.500	7.400	7.300	7.200	4.500	4.000
7,0			5.500	6.600	5.700	5.600	5.500	5.400	5.300	5.400	4.500	4.000
8,0			4.000	5.700	5.200	5.000	4.800	4.700	4.600	4.700	4.500	4.000
9,0			3.250	4.600	4.200	4.000	3.900	3.800	3.700	3.800	3.700	3.700
10,0			2.600	3.900	3.500	3.400	3.200	3.100	3.000	3.100	3.000	3.000
11,0					2.800	2.700	2.500	2.400	2.300	2.400	2.300	2.300
12,0					2.300	2.200	2.000	1.900	1.800	1.900	1.800	1.800
13,0						2.000	1.500	1.400	1.300	1.400	1.300	1.300
14,0						1.800	1.300	1.200	1.100	1.200	1.100	1.100
15,0						1.600	1.100	1.000	900	1.000	1.000	1.000
16,0								1.000	900	1.000	1.000	1.000
17,0								1.000	900	1.000	1.000	1.000
18,0								1.000	800	1.000	1.000	800
19,0										1.000	1.000	800
20,0											800	600
21,0												500
22,0												
23,0												
25,0												
27,0												
Reeving	14	12	12	12	6	6	6	6	6	6	4	4
1a	0%	50%	100%	0%	50%	0%	100%	50%	100%	0%	50%	100%
2a	0%	0%	0%	33%	33%	67%	33%	67%	67%	100%	100%	100%
3a	0%	0%	0%	33%	33%	67%	33%	67%	67%	100%	100%	100%
4a	0%	0%	0%	33%	33%	67%	33%	67%	67%	100%	100%	100%
Maximum permissible wind speed v = 49 km/h												



EQUIPMENT

CHASSIS

Chassis	Anti-torsion box structure in high-strength steel.
Travel	Hydraulic travel drive with TCM electronic control. A pump and two closed-circuit motors allow it to reach 65 km/h. Permanent all-wheel drive 4x4.
Electrical system	CAN Bus data transmission, 24 V.
Gear shift	Two types of selectable travel modes.
Suspensions	Innovative fully adjustable horizontal suspension system makes driving comfortable and stable. Suspensions with automatic leveling. Height adjustable according to ground conditions Δ 240mm.
Tyres	385/95 R25
Steering	Power assisted: Bosch hydraulic steering pump. 4 steering modes: road steering, all-wheel steering, crab steering, independent rear steering. 4 steering cylinders. 2 independent hydraulic circuits.
Brakes	Quick activation of the braking system. 8 pneumatically operated brake chambers ensure smooth and safe braking. ABS braking assistance system.

ENGINE

Engine	Cummins B 6.7 Stage V- Tier 4f- 231 kW@2200rpm engine.
Diesel tank	300 l
Def tank	38 l
Batteries	2 x 143 Ah

OPERATING FEATURES

Driving	Comfortable driving position with height-adjustable and tilt-adjustable steering wheel. Ergonomically and functionally arranged controls. Rear-view camera for safe maneuvering in confined spaces.
Operator's cab	Cab with great visibility, comfortable and equipped with sliding windows. Front and top safety glass with wiper. Seat with integrated headrest. Wide field of vision for different working conditions. Corrosion-resistant paint.
Comfort	Air conditioning, heating and air-suspension seat. Seat belt. Ample lighting in the operator's cab. Radio.



UPPER STRUCTURE

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.
Safety devices	Electronic load limiter with indication of boom inclination, boom length, lifted load, maximum liftable load. Limit switches. Safety valves on all hydraulic functions.
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.
Telescopic boom	High-strength steel. 1 base section, 1 independent telescopic section and 3 synchronized telescopic sections.
Boom extension cylinder	Single two-stage cylinder.
Boom length	30.65 m
Pick & Carry	Lifting up to 11.8 t

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



TK40 HD



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



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