XCMG

ROUGH TERRAIN CRANE

XCR60_U

Reach That Matters

55 mt (60 USt)

43.6 m (143.0 ft)

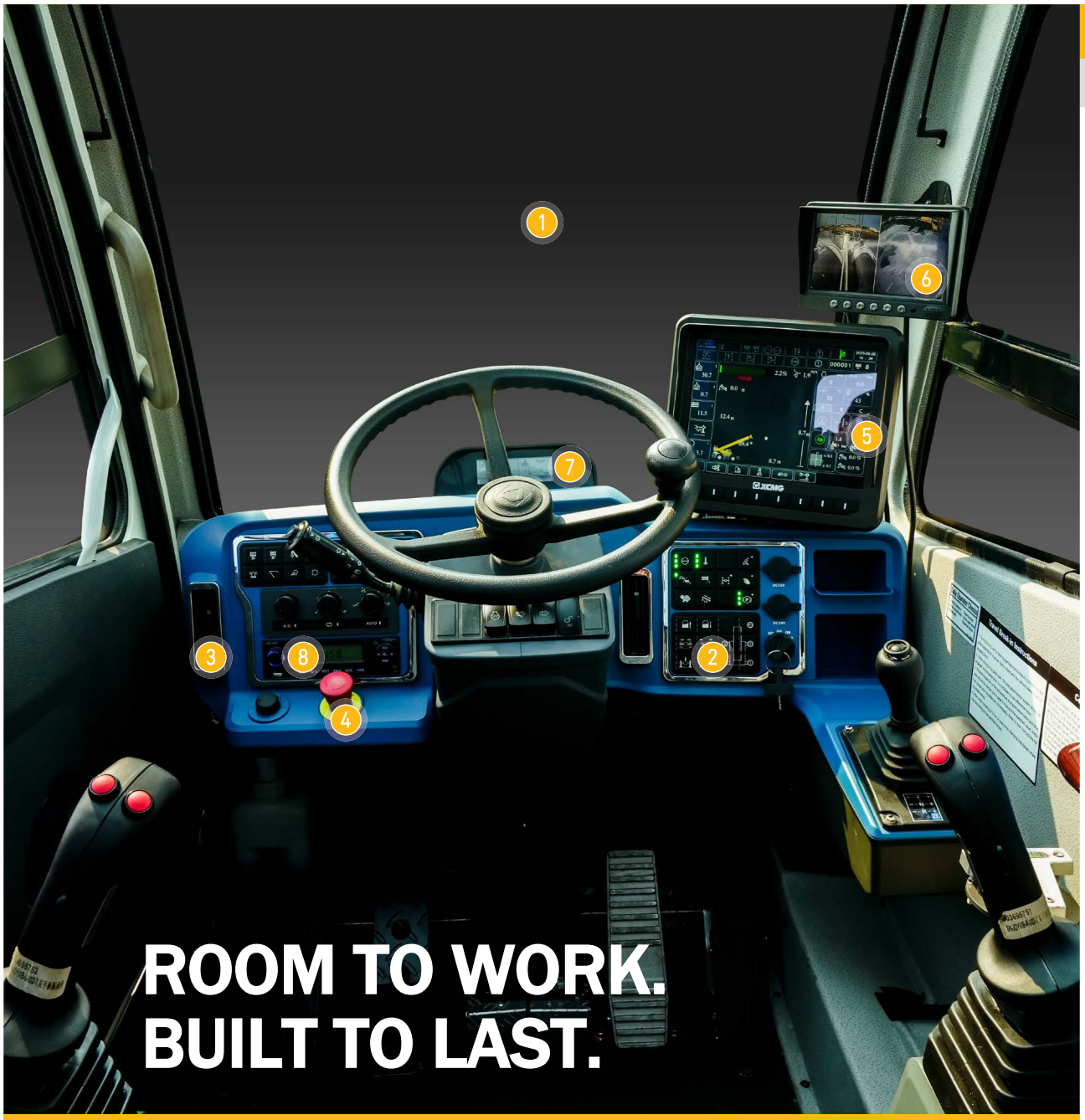
36 m (118.1 ft)

57.1 m (187.3 ft)

V.1_2025


XCMG

CONTENTS



ROOM TO WORK. BUILT TO LAST.

3.6 ft EXTRA-LARGE CAB WITH ROOM TO WORK

Dust-sealed, noise-reducing, and climate controlled. More headroom, more elbow room, and a more comfortable seat.

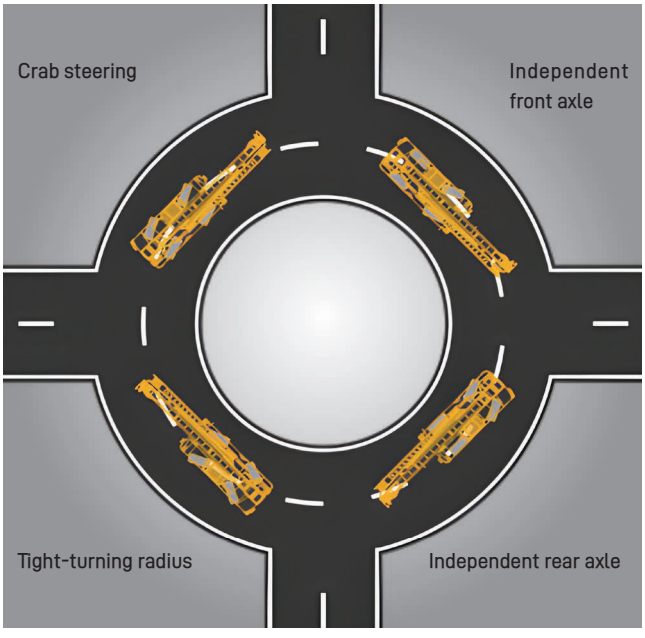
①	Large Windshield	Reduces blind spots for improved driving safety.
②	Zoned Controls	Clean, streamlined layout built around the operator, not the other way around.
③	HVAC	Climate control rated up to 126°F with adjustable outlets. Built for the toughest conditions.
④	Emergency Stop Switch	Easy to reach, just in case.
⑤	Operation Display	10.4-inch true-color touchscreen with adjustable angle. Key information at a glance.
⑥	Monitor	Winch and rear-view cameras provide all-around visibility during operation and travel.
⑦	Driving Display	Real-time readouts for vehicle speed, engine speed, and water temperature. Everything the operator needs to stay ahead of the machine.
⑧	Other Amenities	12/24V power, radio, cup holder, and double-layer storage.

BUILT TO GET THERE

- 260 hp (194 kW) Cummins engine delivering 730 lb-ft of torque through a low-speed, high-torque hydraulic torque converter. 6-speed powershift transmission with three reverse delivers continuous power through every gear change. All-axle drive with specialized off-road tires. Whatever the ground throws at it, this machine keeps moving.

GETS IN & GETS TO WORK

- Four steering modes including crab steering, tight-turn, front axle independent, and rear independent axle. Total control over where this machine goes and how it gets there.
- With a 19.7 ft turning radius, the XCR60U delivers full maneuverability in the most confined spaces on the jobsite.



BUILT TO OUTLIFT THE CLASS

143 FT OF REACH. 5 SECTIONS. 3 TELESCOPING MODES.

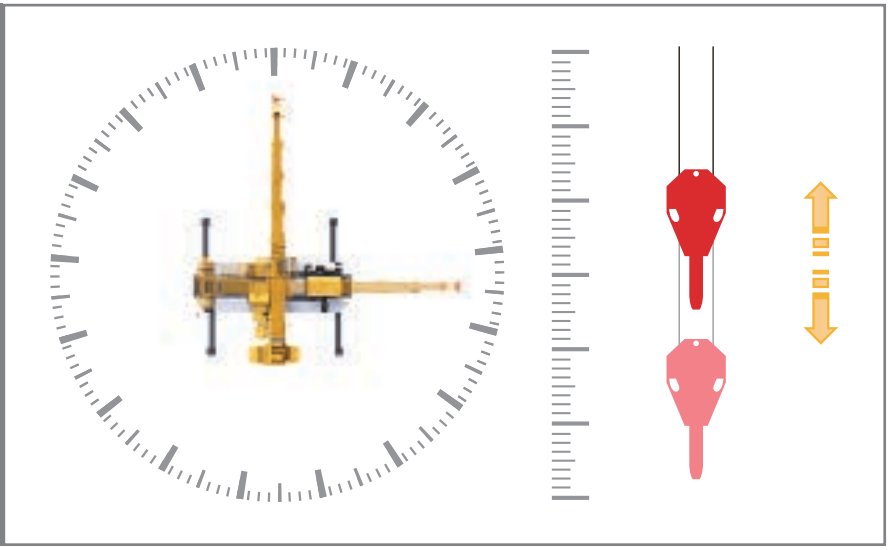
- Five-section boom extending to 143 ft (43.6 m), outreaching every crane in the class.
- Three telescoping modes let the operator configure the boom for the job, not the other way around.
- An optional 30.2 ft to 52.5 ft (9.2 m to 16 m) bi-fold jib with offset angles at 0°, 15°, and 30°.

DUAL VARIABLE PUMP CONTROL SYSTEM

- Dedicated dual-variable displacement pumps deliver two modes of operation: combined flow for speed, or independent winch and boom control for precision.
- Fast when the job demands it.
- Surgical when the lift requires it. Hydraulic oil cooler with automatic temperature control extends component life and keeps performance consistent in any climate.

FINE CONTROL

Millimeter-level precision on winch, slew, and luffing operations.



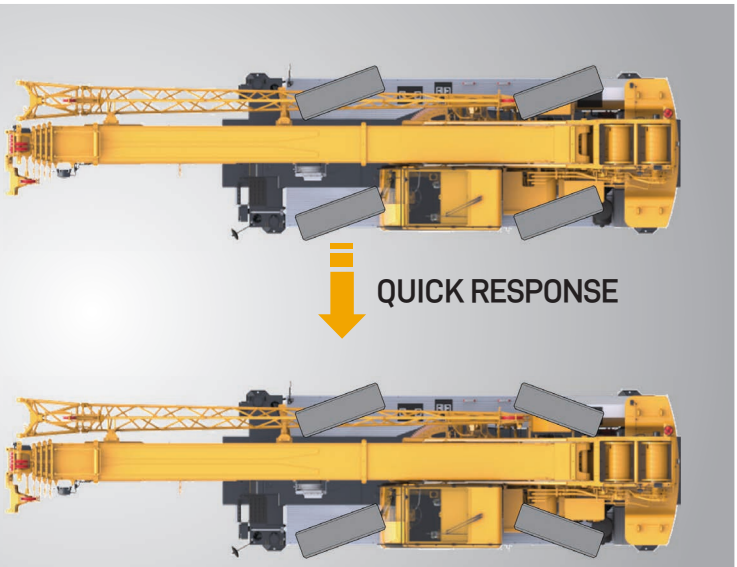
STEER SMARTER. NOT HARDER.

AUTO-CENTERING STEERING TECHNOLOGY

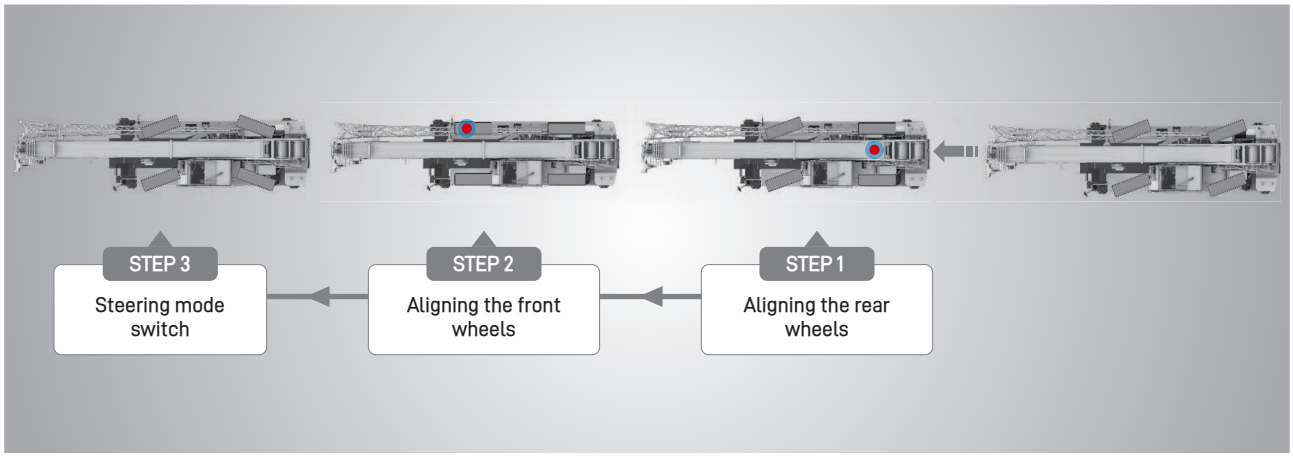
- Switch steering modes with the turn of a knob. The XCR60U automatically centers the rear wheels, no manual alignment needed.
- A dedicated display shows exact wheel position and system status in real time. Other brands require three separate steps to do what the XCR60U does in one.

XCMG: Turn the knob. The crane handles the rest.

XCMG MULTI-MODE STEERING TECHNOLOGY WITH REAR WHEEL AUTO CENTERING

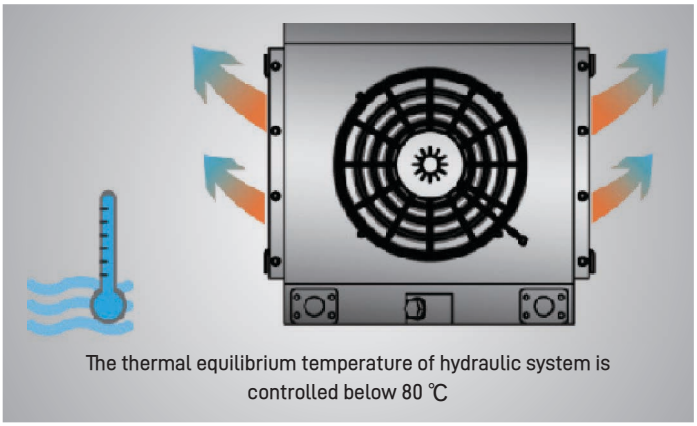


HOW OTHER BRANDS SWITCH STEERING MODES



LESS FUEL. SAME POWER.

- Valve-controlled load sensing paired with dual-variable pumps means the hydraulic system only uses the power the lift actually needs. Gravity-assisted luffing on boom-down lets physics do the work instead of fuel. The result: 10%–15% lower fuel consumption across all operating modes. Low-pressure-loss valves and piping throughout minimize wasted energy.



The thermal equilibrium temperature of hydraulic system is controlled below 80 ℃

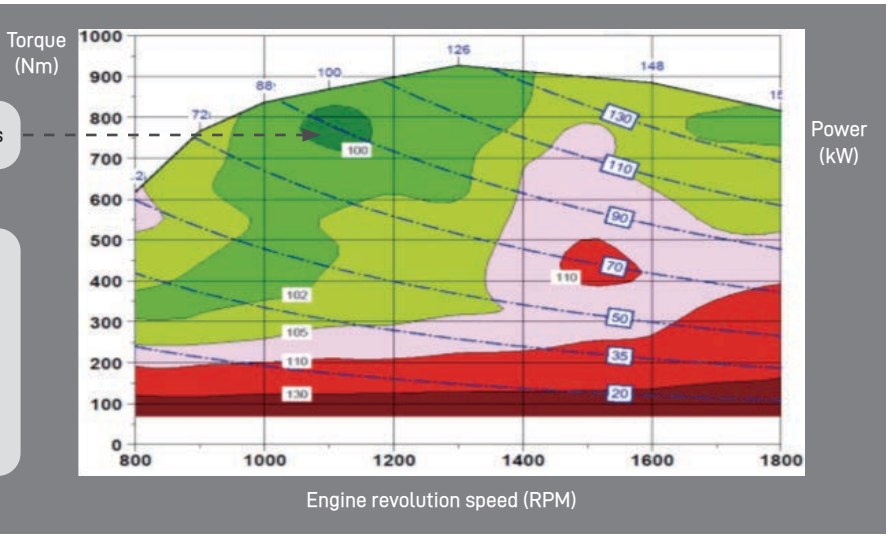
- High-capacity hydraulic oil cooler with automatic temperature control maintains continuous operation in any climate.

FUEL EFFICIENCY THAT PAYS FOR ITSELF

ECO MODE

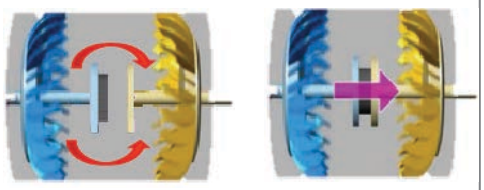
- ECO mode limits engine speed and relies on high-flow pumps to maintain full lifting performance at lower RPM. The engine stays in its most efficient operating range, delivering the lowest fuel consumption in the class during lifting operations.

Operation in low fuel consumption modes



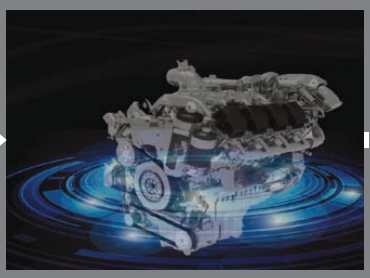
EFFICIENT HYDRAULIC TORQUE CONVERTER DRIVETRAIN

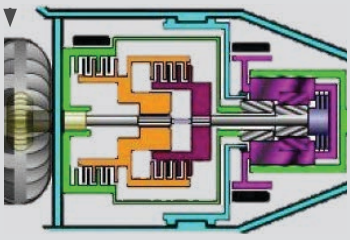
- Lock-up torque converter delivers two modes of drive.
- At creep speeds, hydraulic torque multiplication pulls the XCR60_U through the toughest ground conditions.
- At higher speeds, the converter bypasses for a direct connection between engine and transmission, maximizing fuel efficiency on the move.



Hydraulic drivetrain | Mechanical drivetrain

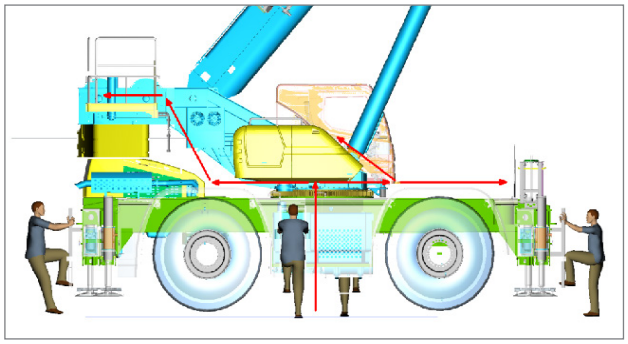
Reduced fuel consumption during travel

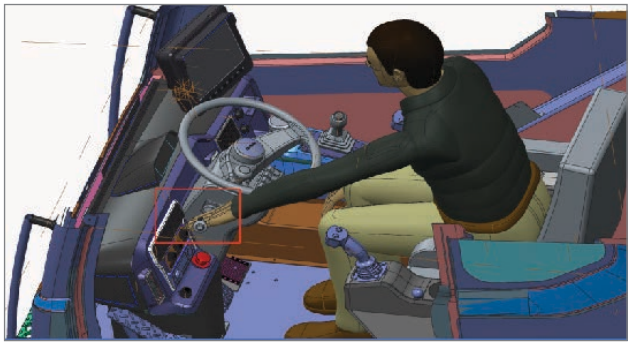




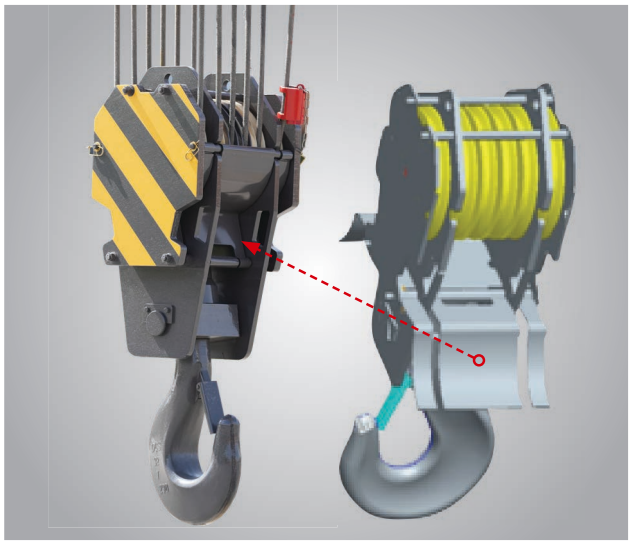
WELL-PLANNED ACCESS

- Full cab, deck, and maintenance access from all four sides regardless of upper rotation.
- Every access point, service location, and control placement designed around how operators and technicians actually work on the machine.

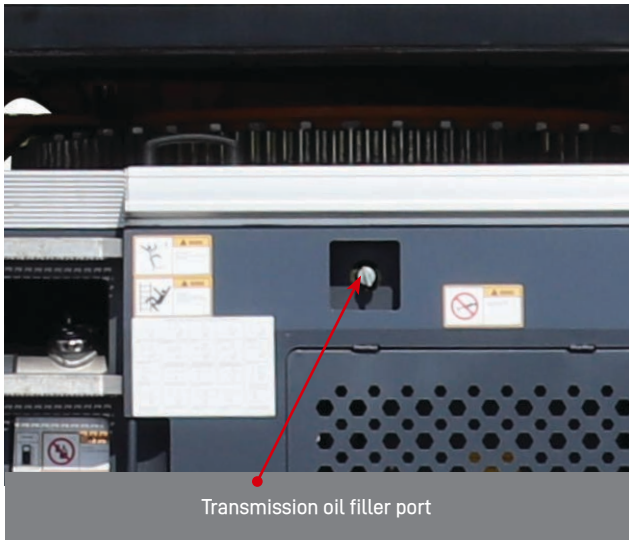




- Rope-reeving structure requires no rope socket disassembly.



- Exposed transmission oil filler port for fast, easy service.



SAFETY EMPOWERED BY TECHNOLOGY

PROTECTION BEFORE IT'S NEEDED

- Automatic overload detection triggers an audible and visual alarm, stops the lift, and limits speed before the operator reaches a dangerous condition.
- Certified to safety standards for North America, Europe, CU-TR, and China.

ACTIVE DRIVING PROTECTION

- Fault detection automatically classifies the issue type and responds with the appropriate action: alarm, speed limit, or automatic braking.
- Keeps the operator informed and the machine protected from the moment it leaves the yard to the moment it arrives on site.

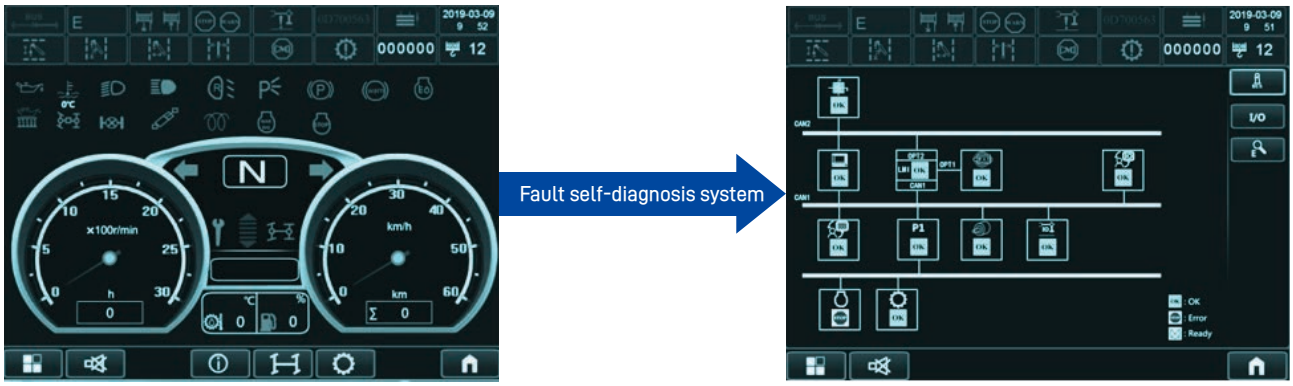
SMARTER LIFTS START HERE

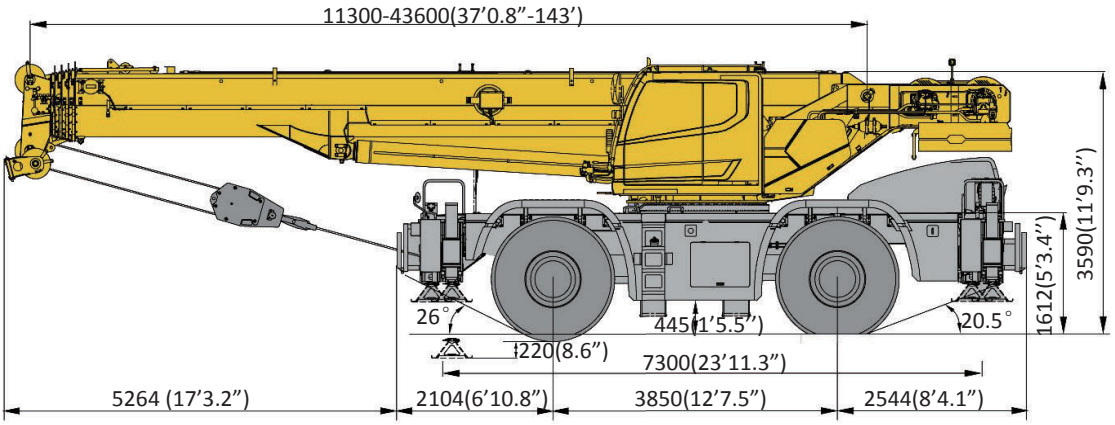
- Input the load weight, working radius, and lift height and the system automatically recommends the optimal operating mode. Less time planning the lift, more time making it.

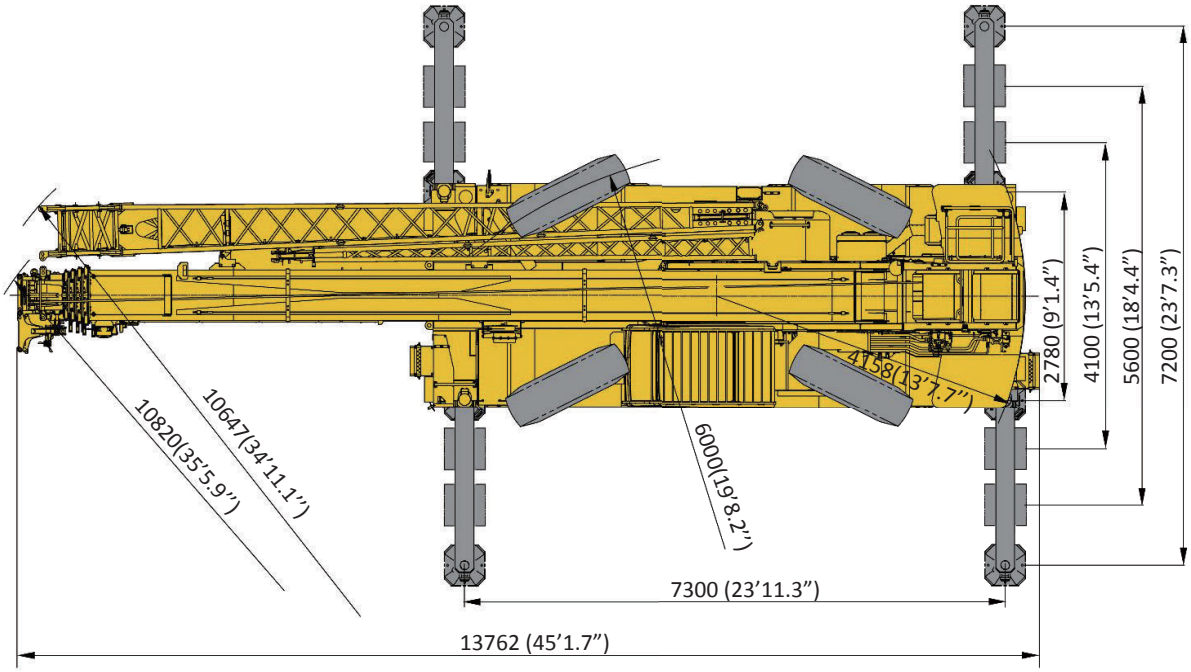
Input Information | OM Inquiry | Inquiry Results

FIND IT FAST. FIX IT FASTER.

- 285 control nodes monitored in real time. 76% of faults diagnosed automatically on the display before they become downtime.
- One-touch fault search on the touchscreen gets the operator to the issue fast.




11300-43600(37'0.8"-143')
3590(11'9.3")
1612(5'3.4")
26°
445(1'5.5")
20.5°
220(8.6")
7300(23'11.3")
5264 (17'3.2")
2104(6'10.8")
3850(12'7.5")
2544(8'4.1")


7200 (23'7.3")
5600 (18'4.4")
4100 (13'5.4")
2780 (9'1.4")
4158(13'7.7")
10820(35'5.9")
10647(34'11.1")
6000(19'8.2")
7300 (23'11.3")
13762 (45'1.7")

TECHNICAL SPECIFICATIONS

Boom	1 base boom section and 4 telescoping sections. U-shape cross-section welded structure. Dual-cylinder wire-rope telescoping mechanism. 6 sheaves on boom head standard. Boom length: 37.1–143.0 ft (11.3–43.6 m).	•
Jib	Two-section lattice structure with offset angles of 0°, 15°, and 30°. Stowed along the side of the boom. Jib length: 30.2–52.5 ft (9.2–16 m).	•
Frame	High-strength fine-grained steel. Welded torsion-resistant box-section construction. High load-bearing capacity.	•
Outriggers	4 outriggers in H configuration, mounted on both sides of the chassis frame. Hydraulic valve control with electric signal cylinder actuation.	•
Engine	Cummins QSB6.7 inline six-cylinder, water-cooled diesel. Rated power: 260 hp / 2,200 rpm (194 kW). Maximum torque: 730 lb-ft / 1,500 rpm (990 N·m). U.S. EPA Tier 4 Final compliant. Fuel tank capacity: approx. 80.5 gal (305 L).	•
Transmission	ZF 6WG210 automatic transmission. 6 forward, 3 reverse gears.	•
Axles	Both front and rear axles are drive and steer axles. High load-bearing capacity.	•
Suspension	Front axle is frame-mounted in the locked position. Rear axle uses swing-type hydraulic suspension with active shock absorption during highway travel. When operating with a suspended load, the rear suspension cylinder locks automatically for stability.	•
Tires	4 specialized off-road tires. Single tire per axle. Tire specification: 23.5-25.	•
Steering	Four steering modes: independent front axle, tight-turn, crab, and independent rear axle. Steering angle adjusts automatically when switching modes.	•
Brakes	Service brake: dual-circuit hydraulic disc brakes on all wheels. Automatic braking and low-pressure alarm activate if system pressure drops. Parking brake: spring-loaded, hydraulic-release independent disc brake on the front axle..	•
Hydraulic System	Dual-variable piston pump for lifting, luffing, and telescoping. Gear pump for slewing, outrigger, steering, and braking operations. Load-sensitive proportional multi-way control valve. Independent hydraulic oil cooler. Tank capacity: approx. 228 gal (864 L).	•
Control System	Hydraulically controlled pilot system with two levers for all primary crane movements. Proportional control for precise speed management.	•

Electrical System	24V DC. Two 12V batteries in series. Standard lighting includes head lights, steering lights, backup lights, turntable lights, boom lights, and slewing beacon lights.	●
Main and Auxiliary Winch System	Hydraulic motor drive through a planetary gear reducer. Normally closed brake with counterbalance valve.	●
Slewing System	Single-row four-point ball contact slewing bearing. Hydraulic motor drive with built-in planetary gear reducer and normally closed brake.	○
Cab	Tiltable cab with sliding door and adjustable seat. Safety glass and roof protective grilles standard. Sunshade available for windshield and roof window. Heater, air conditioner, audio system, and 12/24V power ports included.	●
Operational Aids	Hydraulic counterbalance valve, relief valve, and dual-direction hydraulic lock. LMI standard. Winch lowering limiter prevents rope over-release. Anti-two-block device on boom head prevents rope over-winding.	●
Counterweight	Fixed counterweight: 16,535 lb (7.5 t).	●
Hook Block	60 USt (55 t) and 5.5 USt (5 t) hook blocks.	●

Other items of equipment available on request.

● ——Standard configuration;

○ ——Optional configuration.

WEIGHTS

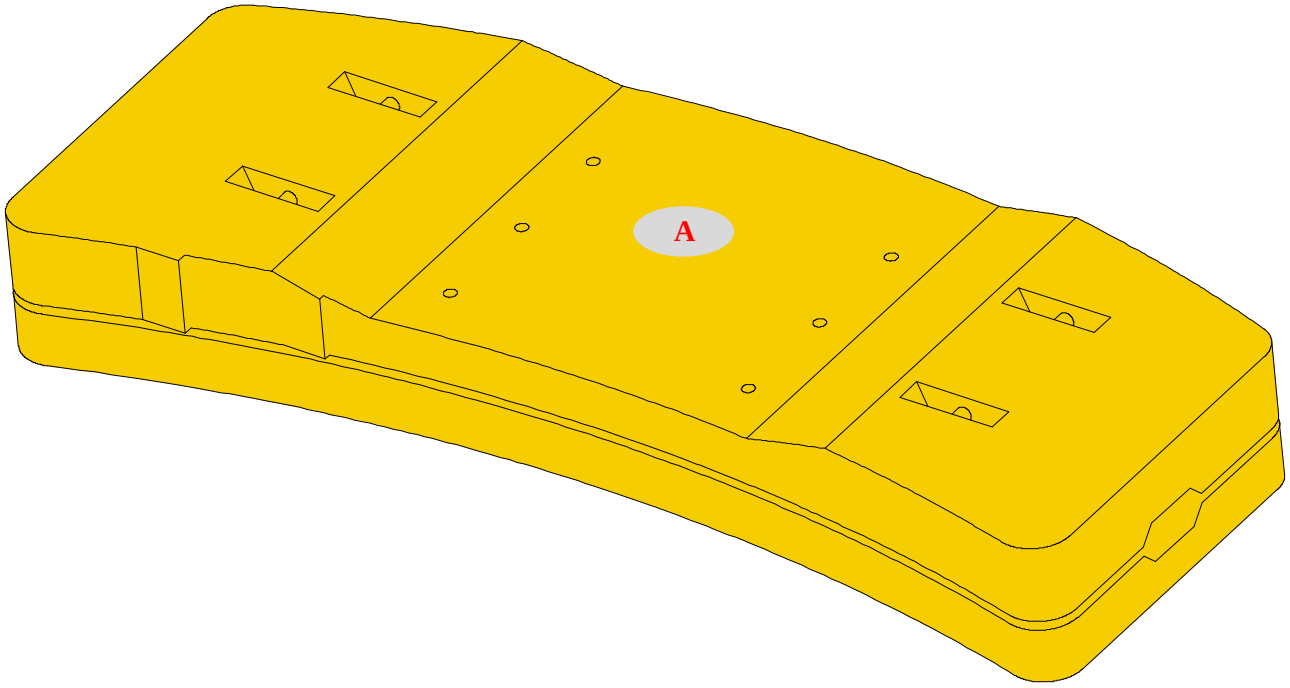
CONFIGURATION	WEIGHTS	FRONT AXLE	REAR AXLE
Basic configuration	71,888 lb (32,608 kg)	48,100 lb (21,818 kg)	23,788 lb (10,790 kg)
Add: 16,535 lb (7.5 t) counterweight	16,535 lb (7,500 kg)	−7,429 lb (−3,370 kg)	23,964 lb (10,870 kg)
Add: Jib	2,297 lb (1,042 kg)	3,594 lb (1,630 kg)	−1,296 lb (−588 kg))
Add: 60 USt (55 t) hook block (stowed at front)	1,213 lb (550 kg)	2,456 lb (1,114 kg)	−1,243 lb (−564 kg)
Add: 5.5 USt (5 t) hook block (stowed at front)	221 lb (100 kg)	280 lb (127 kg)	−60 lb (−27 kg)

HOOK BLOCK	PARTS OF LINE	WEIGHT LB (KG)	REMARKS
60 USt (55 t)	12	1,213 (550)	Single-hook
5.5 USt (5 t)	1	220.5 (100)	Single-hook

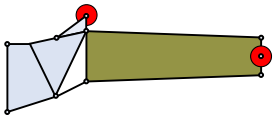
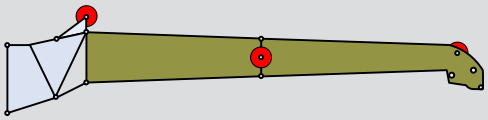
23.5-25	21.7 mph (35 km/h)	86%

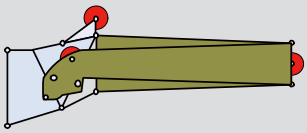
	Max	F	Φ	
1	0–492.1 ft/min (0–150 m/min), no load, 4th layer	11,473 lb (51 kN)	0.709 in (18 mm)	629.8 ft (192 m)
2	0–426.5 ft/min (0–130 m/min), no load, 4th layer	11,473 lb (51 kN)	0.709 in (18 mm)	426.4 ft (130 m)
	0-1.5 r/min			
	Approximately 45 sec, −1.5° to 80°			
	Approximately 80 sec, 37.1 ft to 143.0 ft			

COUNTERWEIGHT



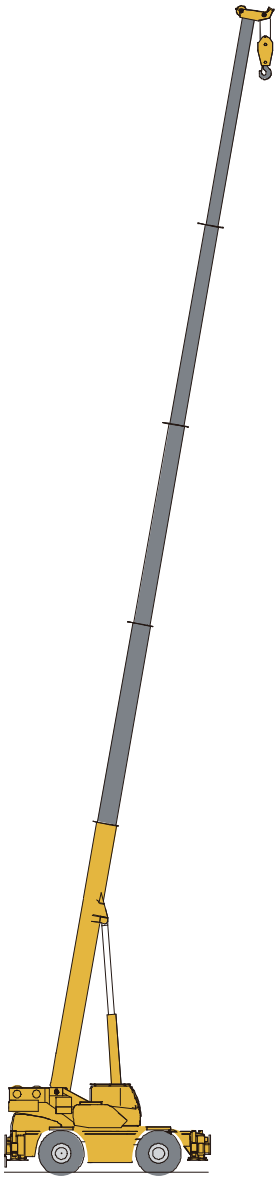
COUNTERWEIGHT	A
Dimensions (L×W×H) ft (mm)	9.8 × 4.1 × 1.2 ft (2,980 × 1,253 × 380 mm)
Weight lb (t)	16,535 (7.5)

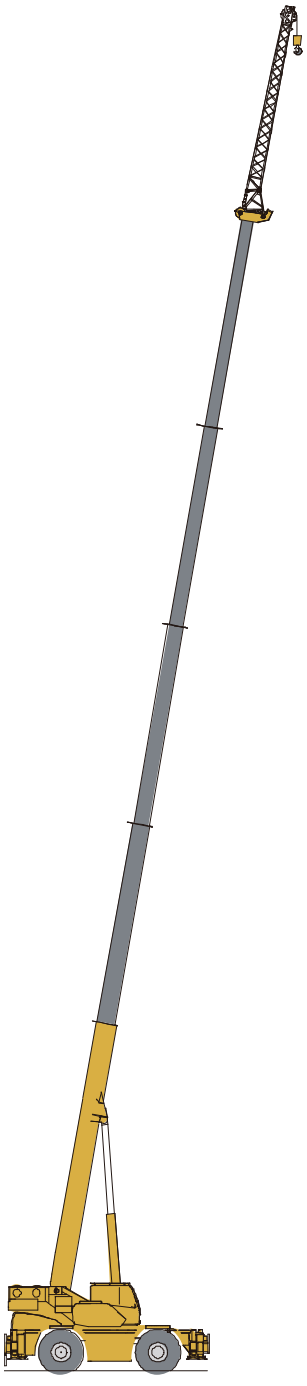
Jib — 30.2 ft (9.2 m)	
Jib — 52.5 ft (16 m)	

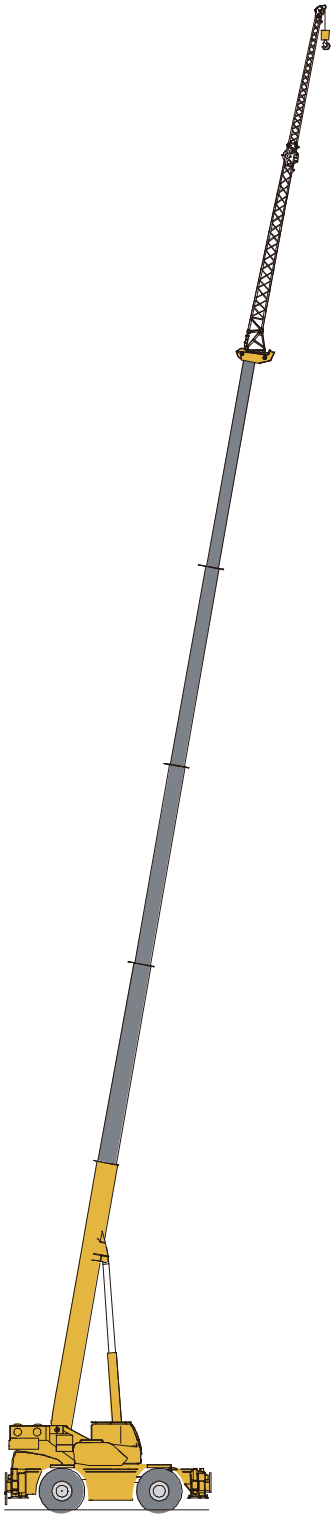
COMPONENT	STRUCTURE	DIMENSIONS (L×W×H) ft (mm)	WEIGHT lb (kg)
1st and 2nd jib section assembly + connecting bracket		Folded: 32.1 × 3.1 × 4.1 ft (9,784 × 950 × 1,263 mm)	2,584 (1,172)

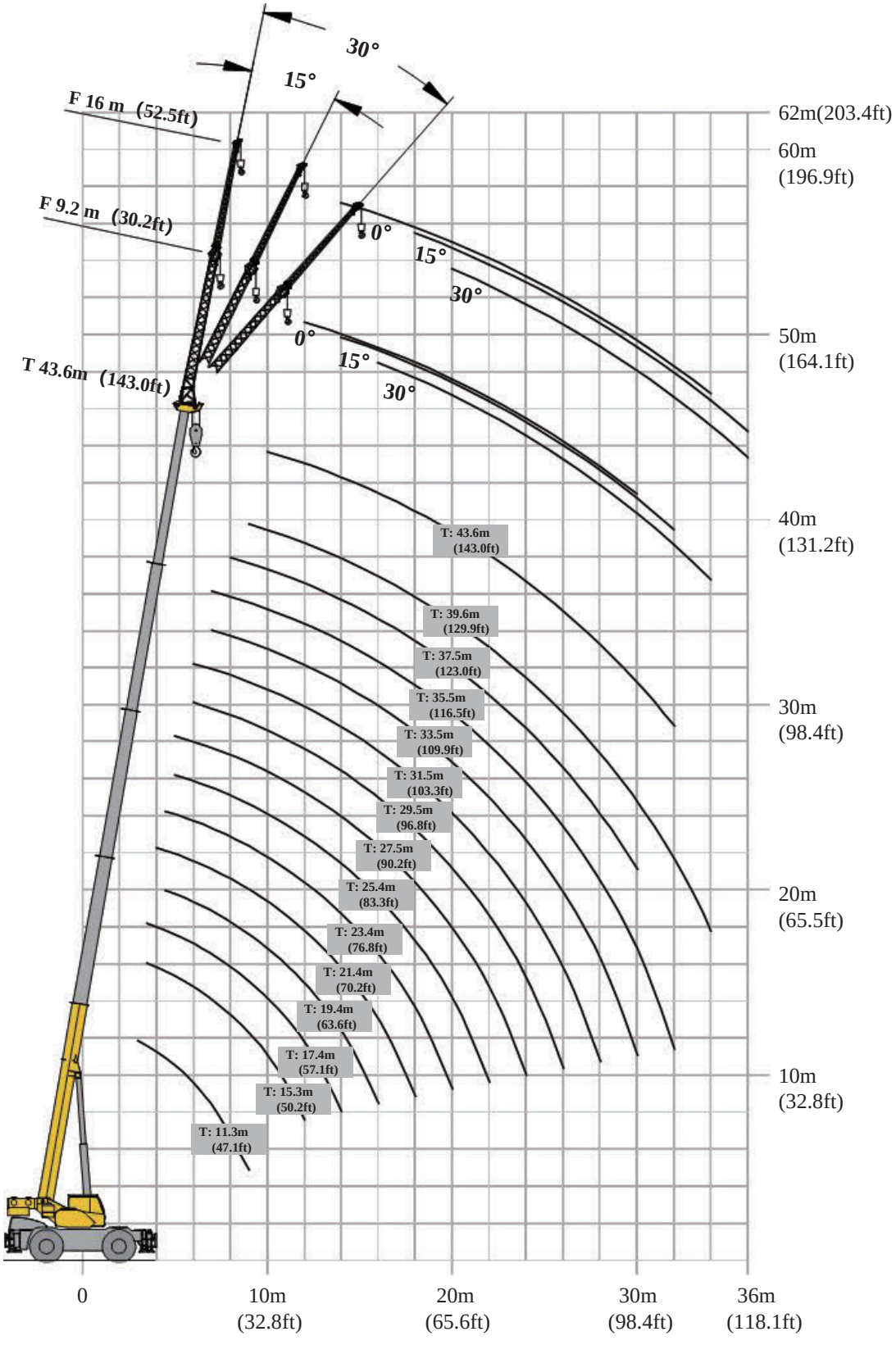
BOOM / JIB COMBINATIONS

BOOM	BOOM + ONE JIB SECTION	BOOM + TWO JIB SECTIONS
11.3~43.6m 37.1~143.0ft	43.6m+9.2m 143.0ft+30.2ft	43.6m+16m 143.0ft+52.5ft





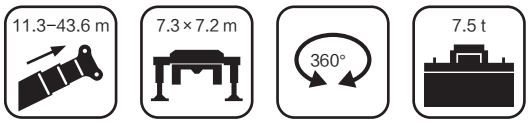



30°
15°
F 16 m (52.5ft)
F 9.2 m (30.2ft)
T 43.6m (143.0ft)
0°
15°
30°
0°
15°
30°
62m(203.4ft)
60m
(196.9ft)
50m
(164.1ft)
40m
(131.2ft)
30m
(98.4ft)
20m
(65.5ft)
10m
(32.8ft)
T: 43.6m (143.0ft)
T: 39.6m (129.9ft)
T: 37.5m (123.0ft)
T: 35.5m (116.5ft)
T: 33.5m (109.9ft)
T: 31.5m (103.3ft)
T: 29.5m (96.8ft)
T: 27.5m (90.2ft)
T: 25.4m (83.3ft)
T: 23.4m (76.8ft)
T: 21.4m (70.2ft)
T: 19.4m (63.6ft)
T: 17.4m (57.1ft)
T: 15.3m (50.2ft)
T: 11.3m (47.1ft)
0
10m
(32.8ft)
20m
(65.6ft)
30m
(98.4ft)
36m
(118.1ft)

LOAD CHARTS

T 11.3~43.6 m

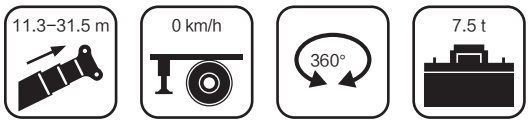
ASME B30.5 85% **Units:t**



	11.3	15.3	17.4	19.4	21.4	23.4	25.4	27.5	29.5	31.5	33.5	35.5	37.5	39.6	43.6	
3	55															3
3.5	51.5	45	24													3.5
4	47.5	43	24		24											4
4.5	43	40	24	33	24	25										4.5
5	41.5	37.5	24	31.5	24	25	22.5	24.5								5
6	31	33	24	25	24	23.2	22.5	24.5	16.5	17.5						6
7	27.6	27	24	22.5	24	21.6	19	23.2	15.4	17.5	15.9	12.3				7
8	21.5	23.2	24	20.5	23	20.2	16.6	21.8	14.2	16.5	15	11.7	12			8
9	16.3	18.1	20.2	17.7	19.5	18.8	14.7	20.3	13.2	13.5	14.1	11	11.2	11.1		9
10		14.5	16.5	14.2	15.9	17.2	12.6	16.6	12.2	10.5	13.2	10.4	8.7	10.4	9	10
12		9.9	11.7	9.6	11.2	12.3	10.8	11.8	10.6	9.5	12.3	9.4	8.2	9.7	7.4	12
14			8.7	6.8	8.2	9.3	7.9	8.9	9.7	8.5	9.3	8.3	7.3	9.5	6.5	14
16				4.8	6.2	7.3	5.9	6.8	7.6	6.5	7.2	7.9	6.6	7.4	5.9	16
18					4.8	5.8	4.5	5.4	6.1	5	5.7	6.4	5.4	5.9	5.7	18
20						4.7	3.4	4.3	5	3.9	4.6	5.3	4.3	4.8	4.6	20
22							2.5	3.4	4.1	3.1	3.7	4.4	3.4	3.9	3.7	22
24								2.7	3.4	2.4	3	3.7	2.7	3.2	3	24
26									2.8	1.8	2.5	3.1	2.1	2.6	2.4	26
28										1.3	2	2.6	1.7	2.1	1.9	28
30											1.5	2.2	1.3	1.7	1.5	30
32												1.8		1.4	1.1	32
34														1.1		34

T 11.3~31.5 m

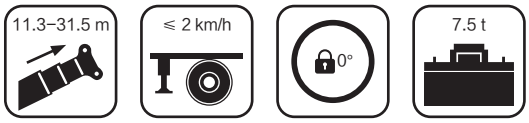
ASME B30.5 85% **Units:t**



	11.3	15.3	19.4	25.4	31.5	
4	10.8	8.8	8.5			4
4.5	9.1	7.4	7.1			4.5
5	7.7	6.3	6	7		5
5.5	6.6	5.4	5.1	6.1		5.5
6	5.7	4.6	4.4	5.3	5.8	6
6.5	4.9	4	3.7	4.6	5.1	6.5
7	4.2	2.9	2.6	3.5	4	7
7.5	3.1	2.1	1.8	2.7	3.1	7.5
8				1.4	1.9	8
9					1.1	9

T 11.3~31.5 m

ASME B30.5 85% **Units:t**



	11.3	15.3	19.4	25.4	31.5	
3	10.6					3
3.5	9.4	9.1	8.8			3.5
4	8.3	8	7.8			4
4.5	7.4	7.1	6.9			4.5
5	6.6	6.3	6.1	6.8		5
5.5	5.9	5.6	5.4	6.1		5.5
6	5.2	5	4.7	5.5	6	6
6.5	4.7	4.4	4.2	4.9	5.4	6.5
7	4.2	3.9	3.7	4.4	4.9	7
7.5	3.2	3	2.8	3.6	4	7.5
8		2.3	2.1	2.9	3.3	8
9		1.1		1.7	2.2	9
10					1.3	10

LOAD CHARTS

J 9.2-16 m

ASME B30.5 85% **Units:t**

	43.6 +9.2			
	0°	15°	30°	
12	5.0			12
14	4.8	3.2		14
16	4.5	3.1	2.5	16
18	4.0	3.0	2.4	18
20	3.2	2.9	2.2	20
22	2.6	2.7	2.2	22
24	2.1	2.3	2.0	24
26	1.7	1.9	1.9	26
28	1.4	1.5	1.8	28
30	1.1	1.2	1.6	30
32		0.9	1.2	32
34			0.9	34

	43.6 +16			
	0°	15°	30°	
14	2.9			14
16	2.8			16
18	2.7	1.9		18
20	2.5	1.8	1.3	20
22	2.3	1.7	1.2	22
24	2.1	1.5	1.2	24
26	1.9	1.4	1.2	26
28	1.7	1.3	1.1	28
30	1.6	1.3	1.1	30
32	1.2	1.2	1.0	32
34	0.9	1.2	1.0	34
36		1.0	0.8	36

T 37.1~143.0 ft

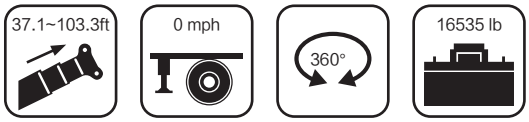
ASME B30.5 85% **Units: lb**

	37.1	50.2	57.1	63.6	70.2	76.8	83.3	90.2	96.8	103.3	109.9	116.5	123.0	129.9	143.0	
9.8	120,000															9.8
11.5	113,537	99,207	52,910													11.5
13.1	104,719	94,798	52,910		52,910											13.1
14.8	94,798	88,184	52,910	72,752	52,910	55,115										14.8
16.4	91,491	82,673	52,910	69,445	52,910	55,115	49,604	54,013								16.4
19.7	68,343	72,752	52,910	55,115	52,910	51,147	49,604	54,013	36,376	38,581						19.7
23.0	60,847	59,524	52,910	49,604	52,910	47,619	41,887	51,147	33,951	38,581	35,053	27,117				23.0
26.2	47,399	51,147	52,910	45,194	50,706	44,533	36,596	48,060	31,305	36,376	33,069	25,794	26,455			26.2
29.5		39,903	44,533	39,021	42,990	41,446	32,408	44,753	29,101	29,762	31,085	24,251	24,692	24,471		29.5
32.8		31,967	36,376	31,305	35,053	37,919	27,778	36,596	26,896	23,148	29,101	22,928	19,180	22,928	19,841	32.8
39.4		21,826	25,794	21,164	24,692	27,117	23,810	26,014	23,369	20,944	27,117	20,723	18,078	21,385	16,314	39.4
45.9			19,180	14,991	18,078	20,503	17,416	19,621	21,385	18,739	20,503	18,298	16,094	20,944	14,330	45.9
52.5				10,582	13,669	16,094	13,007	14,991	16,755	14,330	15,873	17,416	14,550	16,314	13,007	52.5
59.1					10,582	12,787	9,921	11,905	13,448	11,023	12,566	14,109	11,905	13,007	12,566	59.1
65.6						10,362	7,496	9,480	11,023	8,598	10,141	11,684	9,480	10,582	10,141	65.6
72.2							5,512	7,496	9,039	6,834	8,157	9,700	7,496	8,598	8,157	72.2
78.7								5,952	7,496	5,291	6,614	8,157	5,952	7,055	6,614	78.7
85.3									6,173	3,968	5,512	6,834	4,630	5,732	5,291	85.3
91.9										2,866	4,409	5,732	3,748	4,630	4,189	91.9
98.4											3,307	4,850	2,866	3,748	3,307	98.4
105.0												3,968		3,086	2,425	105.0
111.5														2,425		111.5

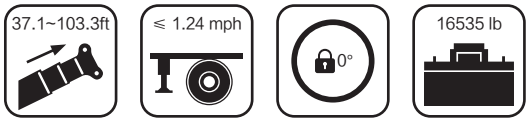
LOAD CHARTS

T 37.1~103.3 ft

ASME B30.5 85% **Units: lb**



	37.1	50.2	63.6	83.3	103.3	
9.8	23,369					9.8
11.5	20,723	20,062	19,400			11.5
13.1	18,298	17,637	17,196			13.1
14.8	16,314	15,653	15,212			14.8
16.4	14,550	13,889	13,448	14,991		16.4
18.0	13,007	12,346	11,905	13,448		18.0
19.7	11,464	11,023	10,362	12,125	13,228	19.7
21.3	10,362	9,700	9,259	10,803	11,905	21.3
23.0	9,259	8,598	8,157	9,700	10,803	23.0
24.6	7,055	6,614	6,173	7,937	8,818	24.6
26.2		5,071	4,630	6,393	7,275	26.2
29.5		2,425		3,748	4,850	29.5
32.8					2,866	32.8



	37.1	50.2	63.6	83.3	103.3	
13.1	23,810	19,400	18,739			13.1
14.8	20,062	16,314	15,653			14.8
16.4	16,975	13,889	13,228	15,432		16.4
18.0	14,550	11,905	11,243	13,448		18.0
19.7	12,566	10,141	9,700	11,684	12,787	19.7
21.3	10,803	8,818	8,157	10,141	11,243	21.3
23.0	9,259	6,393	5,732	7,716	8,818	23.0
24.6	6,834	4,630	3,968	5,952	6,834	24.6
26.2				3,086	4,189	26.2
29.5					2,425	29.5

J 30.2-52.5 ft

ASME B30.5 85% **Units: lb**

	143.0 ft+30.2ft			
	0°	15°	30°	
39.4	11,023			39.4
45.9	10,582	7,055		45.9
52.5	9,921	6,834	5,512	52.5
59.1	8,818	6,614	5,291	59.1
65.6	7,055	6,393	4,850	65.6
72.2	5,732	5,952	4,850	72.2
78.7	4,630	5,071	4,409	78.7
85.3	3,748	4,189	4,189	85.3
91.9	3,086	3,307	3,968	91.9
98.4	2,425	2,646	3,527	98.4
105.0		1,984	2,646	105.0
111.5			1,984	111.5

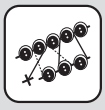
	143.0 ft+52.5 ft			
	0°	15°	30°	
45.9	6,393			45.9
52.5	6,173			52.5
59.1	5,952	4,189		59.1
65.6	5,512	3,968	2,866	65.6
72.2	5,071	3,748	2,646	72.2
78.7	4,630	3,307	2,646	78.7
85.3	4,189	3,086	2,646	85.3
91.9	3,748	2,866	2,425	91.9
98.4	3,527	2,866	2,425	98.4
105.0	2,646	2,646	2,205	105.0
111.5	1,984	2,646	2,205	111.5
118.1		2,205	1,764	118.1

TABLE OF MAIN TECHNICAL PARAMETERS

CATEGORY	ITEM		UNIT	PARAMETER	ALLOWANCE
Dimensions	Dimensions (L×W×H)		mm (ft)	13762×3000×3590 (45.1×9.8×11.8)	±1%
	Axle spacing		mm (ft)	3850 (12.6)	±1%
	Track (front / rear)		mm (ft)	2330/2330 (7.6/7.6)	±1%
	Front/rear overhang		mm (ft)	2104/2544 (6.9/8.3)	±1%
	Front/rear extension		mm (ft)	5264/0 (17.3/0)	±1%
Weights	Maximum permissible total weight		kg (lb)	41800 (92,153) (7.5t (16,535 lb) counterweight)	±3%
	Axle load	Axle 1	kg (lb)	21204 (46,746)	±3%
		Axle 2	kg (lb)	20596 (45,407)	±3%
Power	Engine model		——	QSB6.7	-
	Rated power/rpm		kW/(r/min) (bhp/(r/min))	194/2200 (260/2,200)	-
	Maximum output torque/rpm		N.m/(r/min) (lb-ft/(r/min))	990/1500 (730/1,500)	-
Travel	Maximum travel speed		km/h (mph)	35 (21.7)	≥
	Minimum stable travel speed		km/h (mph)	1.8 (1.1)	≤
	Minimum turning diameter		m (ft)	≤12 (39.4)	-
	Minimum ground clearance		mm (ft)	445 (1.5)	±1%
	Approach angle		°	26	±1%
	Departure angle		°	20.5	±1%
	Braking distance (initial speed at 24km/h (14.91 mph))		m (ft)	9 (29.5)	≤
	Maximum grade ability		%	86	≥

CATEGORY	ITEM			UNIT	PARAMETER	ALLOWANCE
Main performance	Maximum rated lifting capacity			t (USt)	55 (60)	±5%
	Minimum rated working radius			m (ft)	3 (9.8)	±1%
	Slewing radius at turntable tail	At counterweight		mm (ft)	4158 (13.6)	±1%
	Maximum load moment	Base boom section		kN.m (lb-ft)	2033.5 (1,499,832)	±1%
		Fully-extended boom		kN.m (lb-ft)	934.9 (689,546)	±1%
	Outrigger span	Longitudinal		m (ft)	7.3 (23.9)	±1%
		Lateral		m (ft)	7.2 (23.6)	±1%
	Maximum outrigger load			kN(lb)	481.3	——
	Lifting height	Base boom section		m (ft)	11.9 (39.0)	±1%
		Fully-extended boom		m (ft)	43.7 (143.3)	±1%
		Fully-extended boom + jib		m (ft)	57.1 (187.3)	±1%
	Boom length	Base boom section		m (ft)	11.3 (37.1)	±1%
		Fully-extended boom		m (ft)	43.6 (143.0)	±1%
		Fully-extended boom + Jib		m (ft)	59.6 (195.5)	±1%
	Jib offset angle			°	0, 15, 30	±1%
Working speeds	Time for raising boom			s	45	≤
	Time for fully extending boom			s	80	≤
	Maximum slewing speed			r/min	1.5	≤
	Time for extending and retracting outriggers	Outrigger beams	Retracting	s	20	≤
			Extending	s	30	≤
		Outrigger jacks	Retracting	s	30	≤
			Extending	s	35	≤
	Lifting speed (single line, 4th layer, no load)	Main winch		m/min (fpm)	150 (492.1)	≥
		Auxiliary winch		m/min (fpm)	130 (426.5)	≥

DESCRIPTION OF SYMBOLS

	Superstructure		Boom
	Rated Lifting Load		Boom Length
	Counterweight		Working Radius
	Slewing Radius of Variable-position Counterweight		Lifting Height with Boom
	Hook Block		Boom Angle
	Parts of Line		Extension
	Boom Length Combination		Independent Jib Head
	Wind Speed		Simple Jib Head
	Configuration		Fixed Jib
	Optional Equipment		Fixed Jib Length
	Wire Rope Length		Fixed Jib Offset Angle
	Wire Rope Diameter		Luffing Jib

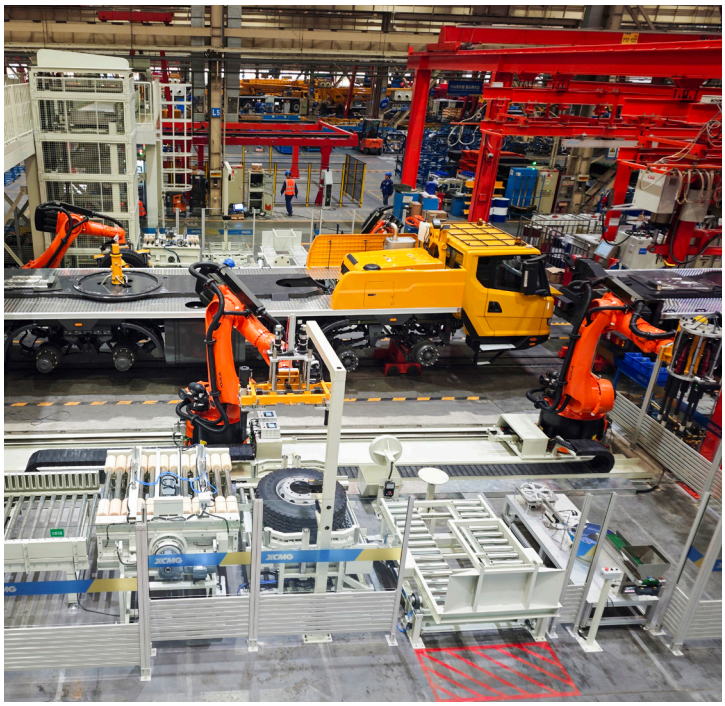
	Maximum Single Line Pull
	Maximum Working Speed
	Main Winch
	Auxiliary Winch
	Chassis
	Outrigger Span
	Tires
	Axle Load
	Gradability
	Travel Speed
	Luffing
	EN 13000 Standard

	Maximum Lifting Height
	Maximum Working Radius
	Super Lift
	Wind Power Jib
	Telescoping
	Slewing
	360° Slewing
	360° Slewing with the 5th Jack Down
	Side and Rear Operation
	Operation Over Front
	Crane on Tires

CONSISTENT SAFE AND RELIABLE MACHINES

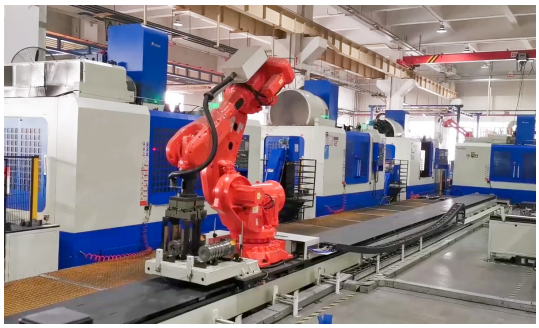
INTELLIGENT ENGINEERING AND MANUFACTURING LEADS TO QUALITY

- Starting with digital models, XCMG is leading the way with intelligent and quality manufacturing technologies. Integrating process simulation and the latest simulation technologies we have creating a high-end manufacturing platform that combines manufacturing and processes to supply the best cranes.



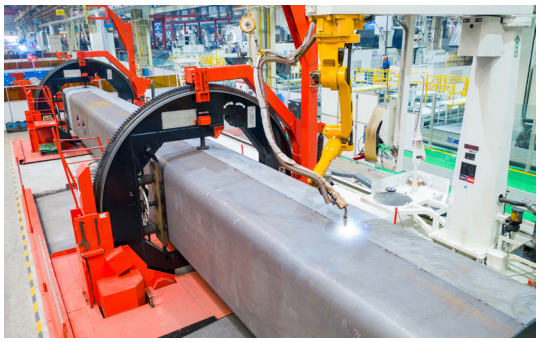
INTELLIGENT AND CONSISTANT ASSEMBLING

AUTOMATED PAINTING TO INSURE CONSITANT QUALITY



DIGITIZED WELDING AND MACHINING

DIGITAL AUTOMATED PROCESS FLOWS



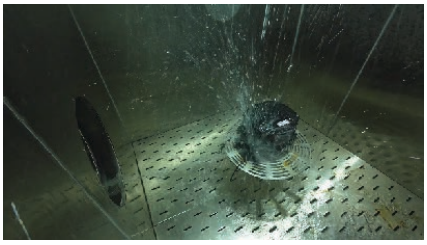
UNMANNED AUTOMATIC WELDING

TESTED AT EVERY LEVEL

- Every new technology and component must meet the most stringent design and quality protocols.
- Every complete machine undergoes rigorous run-in and testing, and components are subject to ongoing lifecycle testing.

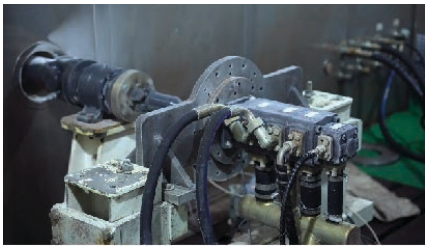
OVER 2,000 COMPONENTS FROM 123 MANUFACTURES UNDERGOING LIFE CYCLE TESTING

HMI Display: Low-Temperature Performance Test Under -40°C

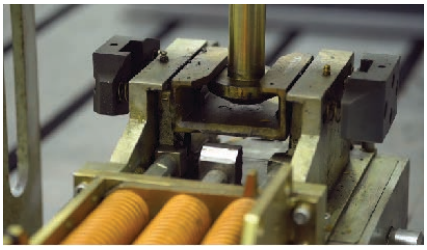


Length Measurement Sensor: 48-Hour Rain Test

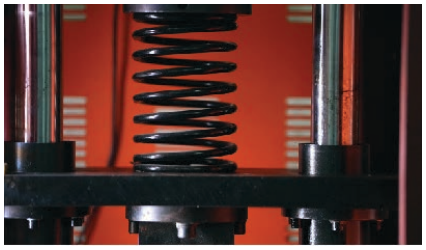
Panel Buttons: Cycled 12 Million Times



Hydraulic Pump: Low-Temperature Performance Test Under -40°C



Telescoping Mechanism: Smoothness Test



Telescoping Mechanism: Smoothness Test

178 POST PRODUCTION FULL-SCALE TESTS ON THE COMPLETE MACHINE

Terrain Testing

Climbing & Hill Holding

Dynamic & Static Lifting

NOTES FOR LIFTING

- The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground with the tires free of the ground. The weights of the hookblock, rigging and the rope between the boom tip and block must be deducted as well as optional items such as the auxiliary sheave and jib.
- The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection. The operator will need to take boom deflection into consideration before beginning a lifting operation.
- A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14m/s (46.2ft/s), and wind pressure is below 124Pa (2.59lb/ft2).
- Before beginning lifting operation, the operator should know the weight of the load to be lifted and the crane's working range, and then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
- Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane may overturn.
- The boom should be extended according to the telescoping codes shown on the load charts.

Address: 305A Equipment Ct NE
Lawrenceville, GA 30046
Email: **cranes@xcmgusa.com**
Website: **xcmg-usa.com/products/cranes-and-hoisting/**

American Crane Products

XCMG North America