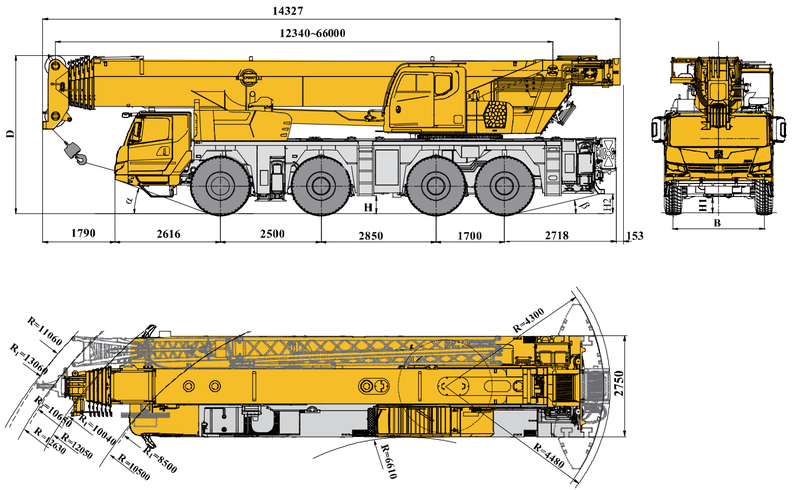
Dimension



	D (mm)	B (mm)	H1 (mm)	H2 (mm)	α (°)	β (°)
445/95R25 (16.00R25)	3940	2296	385	430	19	12
385/95R25 (14.00R25)	3890	2240	335	380	18	11
525/80R25 (20.5R25)	3940	2296	385	430	19	12

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Materials and specifications are subject to change without notice.
Featured machines in photos may include additional options.
Check with your XCMG dealer for the configuration.

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PRODUCT BROCHURE

CE



XCA120_E

ALL TERRAIN CRANE

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Highlight

Superb lifting performance



- With a fully extended boom length of 66 m, a 32.5 m long jib, XCA120_E leads the world in working range and has the strongest operating performance in the industry.

Excellent adaptability to different working scenarios.

- Variable support function, suitable for construction in workplaces with restricted width space.
- Small boom angle operating function, which is suitable for working in the height-constrained plant.
- Telescoping with load function: for the special lifting operation demand in narrow space, it can provide more choices for customers.
- Foldable assembly jib: the assembly jib can be folded to the right side of the main boom when transporting, which is easier to travel and carry.
- Dual hook operation mode, it can realize lifting and rolling-over of the load with only one crane, which is more convenient to operate.



Rich intelligent user-friendly configurations, simple operation, easy to realize one-man-operating.

- Equipped with wireless remote control device, which can remotely operate the outrigger, hoisting, luffing, slewing, counterweight and jib.
- Equipped with cameras for boom head, winch, counterweight and reversing, which is convenient for the operator to monitor the status of the vehicle.
- Equipped with intelligent boom system with excellent performance, working condition planning, winch compensation and luffing compensation.
- Equipped with safe and intelligent driving control system, fault self-diagnosis, dynamic monitoring of driving status, axle load detection, safer driving.



Technical Parameter

Dimensions

Length × Width × Height	14327×2750×3890 mm(385/95R25) 15288×2750×3940 mm(445/95R25) 15288×2850×3940 mm(525/80R25)
Wheel base	2500+2850+1700 mm
Track	2340 mm (385/95R25) 2296 mm (445/95R25) 2308 mm (525/80R25)
Front/ Rear overhang	2615/2385 mm
Front/ Rear extension	1790/485 mm
Tire specification	Standard: 445/95R25 Optional: 385/95R25 525/80R25

On road/off road axle load

Total Weight						
≤48 t	445/95R25	8x6x8	≤12 t	11 t	0.9 t	×
≤51 t	445/95R25	8x6x8	≤13.5 t	25 t	0.9 t	18.5 m
≤66 t	445/95R25	8x6x8	≤16.5 t	25 t	18.7 t	×

Engine

Model	OM471LA.E5-2
Max. net power	360 kW / 1600 rpm
Engine rated torque	2400 Nm / 1300 rpm

Travel

Max. travel speed	80 km/h
Min. travel speed	2 km/h
Min. turning diameter	21 m：on road driving 17 m：all axle steering
Min. ground clearance	335 mm(385/95R25) 385 mm(445/95R25 or 525/80R25)
Approach angle	18°（385/95R25） 19°（445/95R25 or 525/80R25）
Departure angle	11°（385/95R25） 12°（445/95R25 or 525/80R25）
Braking distance (at 30 km/h)	≤10 m
Max. grade ability	60 %
Fuel consumption per 100 km	50 L

Main performance

Max. total rated lifting capacity	120 t
Min. rated working radius	2.5 m

Max. load moment

Base boom	3293 kN.m
Fully-extended boom	1680 kN.m
Fully-extended boom + Jib	1230 kN.m

Outrigger span

Longitudinal	7.6 m
Lateral	7.0/5.95/5.0/3.83 m

Hoist height

Base boom	13.4 m
Fully-extended boom	64.3 m
Fully-extended boom + Jib	94 m

Boom length

Base boom	12.3 m
Fully-extended boom	66 m
Fully-extended boom + Jib	94.2 m

Working speed

Boom raising from −0.5° to 82°	60 s
Boom fully extended	800 s
Max. slewing speed	1.45 rpm

Hoisting speed

Main winch	135 m/min
Auxiliary winch	135 m/min

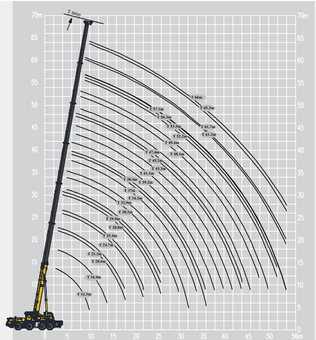
Outrigger

Beam-Retracting	25 s
Beam-Extending	20 s
Jack-Retracting	55 s
Jack-Extending	45 s

Hook block

Standard	11 t / 25 t / 60 t
Optional	90 t / 130 t

Load/Height Chart



12.3-66 m | 7.6×7.0 m | 360° | 33 t | EN | t

	12.3* m	12.3 m	16.4 m	20.6 m	24.7 m	28.8 m	30.2 m	32.9 m	37 m	41.1 m	45.3 m	48.1 m	49.4 m	53.5 m	56.3 m	57.1 m	57.6 m	61.2 m	61.7 m	65.3 m	66 m
2.5	120**																				
3	80.0	70.0	67.0	65.0																	
3.5	78.0	70.0	65.4	63.0																	
4	72.0	66.4	65.1	60.2	57.0	55.3															
4.5	68.0	61.7	61.0	56.8	54.0	52.0															
5	64.0	57.4	57.4	54.0	50.5	48.8	25.5	46.9													
6	55.0	50.1	50.1	48.5	46.7	44.3	23.2	42.5	40.8	40.3											
7	48.0	45.0	46.0	45.0	43.2	40.9	21.1	38.5	38.7	36.8	29.0										
8	41.0	39.5	40.6	40.5	39.7	37.9	19.4	35.4	34.2	33.1	29.0	18.5									
9	34.5	34.5	36.1	36.0	36.5	35.5	17.8	32.6	31.4	30.4	27.4	17.3	23.8	18.2							
10	26.5	26.5	32.1	32.5	32.2	32.8	16.5	30.1	29.7	27.6	26.1	15.9	23.2	18.2	12.4						
12			25.6	25.8	26.6	26.2	14.4	25.6	26.0	24.2	22.7	13.8	21.2	18.0	11.7	11.6	14.2	10.7	11.4		
14			19.4	21.5	22.3	22.0	12.7	22.1	21.6	20.7	19.6	12.1	18.8	16.4	11.0	10.9	14.3	10.3	11.2	9.0	8.8
16				18.1	19.0	18.1	11.3	18.6	17.6	17.5	16.5	10.7	16.4	15.0	10.4	10.2	13.3	9.8	11.1	8.8	8.6
18				15.1	16.0	15.5	10.2	15.9	15.2	14.7	14.4	9.6	13.9	13.2	9.9	9.8	12.0	9.5	10.5	8.6	8.3
20					13.7	13.4	9.3	13.5	13.4	12.9	12.6	8.6	11.6	11.4	9.3	9.3	10.9	9.1	10.0	8.4	8.0
22					11.6	11.7	8.5	11.5	11.8	11.4	11.4	7.8	10.0	10.2	8.9	8.8	9.8	8.6	9.2	8.0	7.6
24						10.6	7.8	9.9	10.4	9.9	9.9	7.1	8.9	8.9	8.3	8.2	8.7	8.1	8.1	7.5	7.1
26						9.3	7.2	8.9	9.1	8.6	8.6	6.4	8.1	8.1	7.3	7.3	7.6	6.8	7.2	7.1	6.6
28								8.0	8.0	7.5	7.6	6.0	7.2	7.3	6.4	6.4	6.7	6.1	6.3	6.2	6.1
30								7.2	7.1	6.7	6.7	5.5	6.4	6.5	5.7	5.7	6.1	5.4	5.7	5.4	5.3
32									6.3	6.1	5.9	5.1	6.0	5.7	5.0	5.0	5.5	4.7	5.0	4.7	4.7
34									5.6	5.7	5.3	4.7	5.4	5.2	4.5	4.4	4.8	4.2	4.4	4.1	4.1
36										5.2	4.9	4.3	4.8	4.7	4.0	3.9	4.3	3.7	3.8	3.6	3.6
38										4.8	4.5	4.1	4.4	4.1	3.5	3.5	3.8	3.2	3.3	3.2	3.1
40											4.1	3.7	3.9	3.7	3.1	3.1	3.3	2.9	2.9	2.8	2.7
42											3.4	3.5	3.4	3.2	2.8	2.8	2.9	2.5	2.5	2.4	2.4
44												3.2	3.1	2.9	2.5	2.5	2.6	2.2	2.2	2.1	2.0
46													2.8	2.6	2.2	2.2	2.3	1.9	1.8	1.8	1.7
48														2.3	1.9	1.9	1.9	1.6	1.5	1.5	1.5
50														1.8	1.7	1.7	1.6	1.4	1.3	1.2	1.2
52															1.5	1.5		1.2		1.0	1.0
54																		0.9		0.8	0.8

* over rear ** lifting capacity