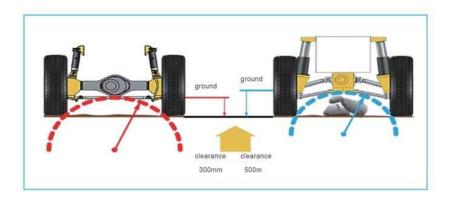
XCA60E

Product advantages



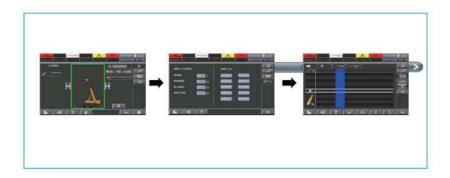


Intelligent control system with more friendly man-machine interaction

The latest control technology platform is adopted to update the system with the realization of intelligent crane operations and travel control, such as automatic planning of working conditions, winch serve control technology, lifting elevating compensation control technology, etc. With breakthrough of traditional crane control idea, the in-house design of the intelligent crane boom technology can realize the online planning of hoisting route according to hoisting demand and crane's current conditions. Automatic elevating compensation is realized in the hoisting process, when the hook height above the ground and the clearance between the hook and boom head is not changed. These features contribute to the improvement of boom control automation, hoisting efficiency and safety.

Intelligent crane boom technology: With breakthrough of traditional crane control idea, the in-house design of the intelligent crane boom technology provides you with comfortbable intelligent control experience.

Automatic planning function of working conditions supplies users with the most efficient hoisting plans. If users enter the information about lifting load, working radius and lifting height, the system will automatically recommend 10 properest working conditions, which may meet lifting demands. With the planning software used, user's operating practices will become standard, the operation safety will be improved, the most effective hoisting plans will be provided and the working efficiency will be increased.



Automatic elevating compensation function makes more convient operation and safer hoisting



With automatic spooling in and out of winch rope, the working efficiency is improved by 40%



New energy-saving hydraulic system contributes to high working efficiency and more perfect manipulation feeling.

Advanced technologies such as new electric-proportion pump control system matched with low speed and large torque slewing system, constant motor hoist system, and automatic regulation of the displacement with the open change of main valve contribute to reduced energy consumption more than 15% on average and the smoothness and fine control improved by 15% as well as the more perfect manipulation.

Taking power and economy into consideration, low-speed and large torque system in chassis contribute to perfect combination of best power and optimized economy with oil consumption reduced by 12% on travel, power performance improved by 15% and general oil consumption in operation reduced by 5%. Compared to competitors, XCA60. E saves 400L oil every 10000 km in each year.

New appearance and humanized design bring more comfortable driving operation

irst launched in the industry, XCMG man-machine interactive system with the level of car brings easier and more convenient operation.



> Single 10.4 in. color touch screen displays

13 items of interactive technology with intelligentization and informatization are integrated, which brings friendlier man-ma-chine conversation

- ▶ 13 items of interactive technology with intelligentization and informatization are integrated, which brings friendlier man-machine conversation
- A new generation of appearance design and humanized design bring more comfortable driving operation
- ▶ A new generation of appearance design makes the whole vehicle powerful and vigorous; Fashionable outlines of driver's and operator's cab bring perfect combination of sense of lays and sense of physical strength; ergonomics analysis and humanized details make inherent quality of easy driving, comfortable operation and convenient maintenance.



Brand new humanized design contributes to more convenient manipulation and safer operation.

The max, titling angle of the operator's cab is 20°. The operation is safer with wider visual field. More accurate locking of the hydraulic controlled turntable reduces exterior manipulation of the operator's cab with safer operation. Centralized lubrication system is used in superstructure with 12 lubricating points contributing to better lubrication effect and longer service life of key parts. Installed on the boom, the 360°revolving light with wider illuminating range on boom makes night operation safer.

Technical parameters

Category		Item	Unit	Parameter		
	Overall ler	igth	mm	11880		
Outline Dimensions	Overall wid	dth	mm	2550		
	Overall he	ight	mm	3755		
	Wheel bas	1st and 2nd Axles	mm	2950		
	Wilder Das	2nd and 3rd Axles	mm	1650		
		Track	mm	2150		
	Dead weigh	nt in travel configuration	kg	36000		
Weight		1st axle	kg	12000		
Weight	Axle load	2nd axle	kg	12000		
		3rd axle	kg	12000		
5	Engine mod	del	1	OM470 MC11.36-5		
Power	Rated power	er of engine	kW/(r/min)	280/1900 268/1900		
Weight	Travel spee	Max. travel speed	km/h	85		
	Traver spee	Min. stable travel speed	km/h	3		
Outline Dimensions	Min. turning	diameter	m	14.2/ (three axles steering		
	Min. ground	i clearance	mm	330		
	Approach a	ngle	0	19		
	Departure a	angle		21		
	Braking dis	tance (at 30 km/h)	m	≤10		
	Max. grade	ability	%	65		
	Oil consum	ption per 100 km	11	55		

05/06

Main Techn	licai vata	lable i	or Lii	ting Operation	(Subject to t	technical improveme
Category			Unit	Parameter		
	Max. total	ated lifting	t	60		
	Min. rated	working rad	m	2.1		
	Turning ra	dius at tum	mm	3815		
	Max. load	moment	Base	boom	kN.m	1858
	Max. Iodu I	HOTTIGHE	Fully-	-extended boom	kN.m	894
	Outrigger s	soan	Longi	tudinal	m	7.32
Main performance	33***	\$5000 V)	Latera	al	m	6.5
			Base	boom	m	10.2
	Hoist heigh	nt	Fully-	extended boom	m	48
			Fully-	extended boom + Jib	m	62.2
			Base	boom	m	10.3
	Boom leng	th	Fully-	-extended boom	m	48
			Fully-	extended boom + Jib	m	64
	Jib offset a	ngle	0	0、15、30		
	Boom elev	ating time		Boom raising	s	38
	Boom teles	scoping tim	е	Fully extended	S	310
	Max. slewi	ng speed	r/min	2.0		
	Outrigger	Outrigger	Extendir	ng simultaneously at one side	S	25
	extending and	beam	Retracti	ng simultaneously at one si de	S	20
Working speed	retracting time	Outrigger	Extendir	ng simultaneously	S	60
	urio	jack	Retracti	ng simultaneously	S	30
	66 763	Main wi	nch	Full load	m/min	90
	Single line hoisting	(4 layer)	No load	m/min	135
	speed	Auxiliary	winch	Full load	m/min	90
		(4 layer)		No load	m/min	135
	Exterior	noise level	dB(A)	≤122		
	Interior n	oise in oper	ator's	cab	dB(A)	≤90

Rated load charts of XCA60E

Rated lifting load tables for boom (Lifting load in t, boom length and radius in m)

Rated lifting load tables for boom of XCA60_E, outrigger 6.5m, counterweight 12t

R/L 10.3*		10.3	.3 13.8 17.2						20.7			24.2		27.6			
2.1	60*																
2.5	58.2*																
3	54.6*	42.5	42.3	41.5	40.5	41.5	40.5	28.1	35.0	27.6	23.9						
3.5	49.9	42.5	42.2	41.0	40.0	41.0	40.0	26.4	35.0	25.8	23.0	27.4	30.0	23.7			
4	44.5	40.7	41.4	40.2	39.0	38.5	37.9	24.8	35.0	23.9	22.1	24.5	30.2	22.8	24.5	25.5	18.2
4,5	39.8	37.5	38.0	36.9	35.0	35.0	34.9	23.4	33.5	21.5	21.2	22.4	29.9	22.0	24.0	25.5	17.3
5	36.4	34.5	35.0	35.2	33.0	33.0	33.3	22.1	31.5	20.3	20.3	21,4	30.2	21.2	23.5	25.5	16.6
6	31.6	29.0	29.8	30.0	29.0	29.8	29.8	19.9	28,5	18.2	19,1	19.4	27.2	19.9	22.4	25.4	15.2
7	26.5	24.3	24.5	24.8	25.3	26.0	25.5	18.1	25.5	16.5	17.8	17.8	24.7	18.7	20.3	24.2	14.0
8			20,5	21.0	21.5	21.6	22.5	16,6	21.5	15.1	16.3	16.3	22.0	17.7	18.5	21.0	13.0
9			17.5	18.0	18.3	17,7	18.5	15,4	18.5	13.8	15.1	14.9	18.5	16.3	17.0	18.0	12,2
10			15.0	15.4	15.7	14.7	15.8	14.4	15.9	12.7	14.0	13.8	15.7	15,1	15.2	16.0	11.5
12						10.8	11.5	12.1	11.1	11.0	12.2	11.2	11.5	12.2	11.3	12.0	10.7
14									8.5	8.9	9.9	8.6	9.0	9.7	8.7	9.4	9.7
16									6.7	7.1	8.0	6.8	7,1	8.1	6.9	7.5	8.1
18												5.5	5.8	6,7	5.5	6.2	6.8
20															4.5	5.1	5.8
22															3.7	4.3	5.0
24																	
code i	coping of section	00000	01000	00100	00010	11000	01100	00110	11100	02100	00111	12100	11110	01111	21110	11111	0111
Boam	angle	30-65 31-72			38-76			32-79			37-80			32-81			
Parts	of line					10			8				7 6			6	
Hook	3			Ð	look of 6	Ot						Н	aak of 3	5t			

Rated lifting load tables for boom of XCA60_E, outrigger 6.5m, counterweight 12t

R/L		13.1			34.6			38		41	1.5	45	48	
4.5	21.0	20.0	15.0											
5	21.6	20.0	14.7	18.2	16.4	13.1								
6	19.9	18.4	13.5	17.0	15.5	12.5								
7	18.7	17.0	12.5	15.8	14.4	11.8	12.8	12.2	11.5					
8	17.7	15.8	11.6	14.8	13.4	11.1	12.6	11.6	10.9	10.8	10.0	8.7		
9	15.9	14.7	10.8	14.2	12.6	10.3	12.2	10.9	10.4	10.4	9.4	8.7	7.1	
10	14.6	13.7	10_1	13.3	11.8	9.4	11.5	10.3	9.8	9.8	9.0	8.5	7.1	
12	11.7	11.9	8.9	11.1	10.4	8.1	10.2	9.0	8.8	9.0	8.0	7.6	6.9	
14	9.1	9.4	7.9	9.0	9.3	7.0	8.8	7.7	7.8	7.8	6.8	6.7	5.9	
16	7.3	7,7	7.1	7.2	7.6	6.2	7.6	6.7	6.8	6.8	5.9	6.3	5.7	
18	5.9	6.1	6.6	5.9	6.5	5.6	6.0	5,9	6.0	6.2	5.4	5.5	5.0	
20	4.9	5.1	5.9	4.8	5.5	5.0	4.9	5.3	5.5	5.4	4.7	5.0	4.4	
22	4.0	4.3	5.1	4.0	4.3	4.9	4.1	4.5	4.8	4.6	4.2	4.4	4.0	
24	3.4	3.6	4.4	3.4	3.7	4.2	3.4	3.8	4.1	3.6	3.9	3.6	3.6	
26				2.8	3.1	3.7	2.9	3.3	3.5	3.0	3.5	3.2	3.0	
28				2,3	2.6	3.3	2.4	2.8	3.0	2.6	3.0	2.7	2.6	
30							2.0	2.4	2.6	2.2	2.6	2.4	2.2	
32							1.7	2.0	2.3	1.8	2.2	2.0	2,0	
34										1.5	1.9	1.7	1.7	
36												1,5	1.5	
38												1.2	1.2	
40													1.0	
Telescoping code of boom section	21111	12111	01122	22111	12211	01222	22211	12221	11222	22221	12222	22222	33333	
Boom angle		36-81			33-82			30-80		33-	-80	31-81	33-81	
Parts of line		5			4				3			2		
Hook						Hook	of 35t							

Total Rated Lifting Load Tables for Jib (Lifting load in t, boom length and radius in m)

|--|

Boom length		41.5			45			48			41.5		45			48			
Jib lengt					9,2m									16m					
Radius	0	15	30	0	15	30	0	15	30	0	15	30	0	15	30	0	15	30	
10	5																		
12	5	4.8		3,9	3.6		3.4			3			2.6			2.3			
14	4.8	4.6	4.2	3.8	3.5		3,3	3.4		2.8			2.6			2,2			
16	4.3	4,2	4	3.7	3.3	3.2	3.3	3.3	3	2.8	2.6		2.5	2.4		2,2			
18	3.8	3.6	3.5	3.2	3.1	2.9	3	2.9	2.7	2.8	2,5		2.4	2.3		2.2	2.2		
20	3.3	3.2	3.2	2.8	2.7	2.6	2.7	2.5	2.4	2.6	2.5	2.2	2.3	2.2	2	2.1	2.1		
22	2.8	2.8	2.7	2.6	2.5	2.3	2.2	2.2	2.1	2.4	2.4	2.2	2.2	2.2	2	2	2.1	2	
24	2.6	2,4	2.4	2.3	2.2	2.1	2	1.9	1,8	2.3	2.3	2.1	1,9	2	1.9	1.7	1.7	1.7	
26	2.2	2.1	2.1	2	2	2	1.7	1.6	1.5	2.1	1.9	1.9	1.7	1.7	1.7	1.5	1.5	1.4	
28	2	2	1.9	1.7	1.6	1.5	1.5	1.4	1.4	1.8	1.8	1.8	1.5	1.5	1.5	1,4	1.4	1.3	
30	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.5	1.5	1.5	1.4	1.4	1.4	1.1	1.1	1.1	
32	1.5	1.5	1.5	1.4	1.3	1.2	1	1	3	1:4	1.4	1.3	1.2	1.2	1.3		31	1	
34	1.4	1.3	1.3	1.1	1.1	1.1					1.2	1.2	1.1	1.1	1.1				
36	1.1	1.1	1.1	1	1	ă					1.1	1.1							
38											1								
Boom angle	45" ~80"	47" -80"	48" -79	49" ~79"	51" -81"	52" -78"	57" -79"	59" -79	61" -79"	57" -79	53' -79'	58" -78"	57" -80	61" -80"	64" -79"	64" -81"	65 -79	68* -79	
Telescoping code of boom section	22221				22222			33333			22221			22222			33333		

Explanations

- The performance of first line is operated in the rear, the working conditions with **' is axle load in name.
- 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

The total rated loads given in the rated load charts include the weight of the hook block and slings; Unit: t

- The working radius shown in the rated load charts is the actual value including loaded boom deflection; Unit: m
- The boom length given in the rated load charts should accord with the telescoping requirements of every boom, and telescoping way is operated in sequence; '0'stands for 0% of the boom extending length, '1'for 46%, '2'for 92%, '3'for 100%. For example, when the telescoping way is 21100, the telescoping sequence is 2nd boom, 92%, 3rd boom, 46%; 4th boom, 46%; 5th boom, 0% and 6th
- boom, 0%.

The total rated load for single top is the same as that for jib (9.2m) 0°offset angle.

Wind force of grade 5, i.e. wind speed 14.1m/s, is taken into consideration in loading when tilting.

Boom angle should not beyond the scope of the rated load charts.

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