



ROUGH TERRAIN CRANE

XCR60_U

Reach That Matters



55 mt
(60 USt)



43.6 m
(143.0 ft)



36 m
(118.1 ft)



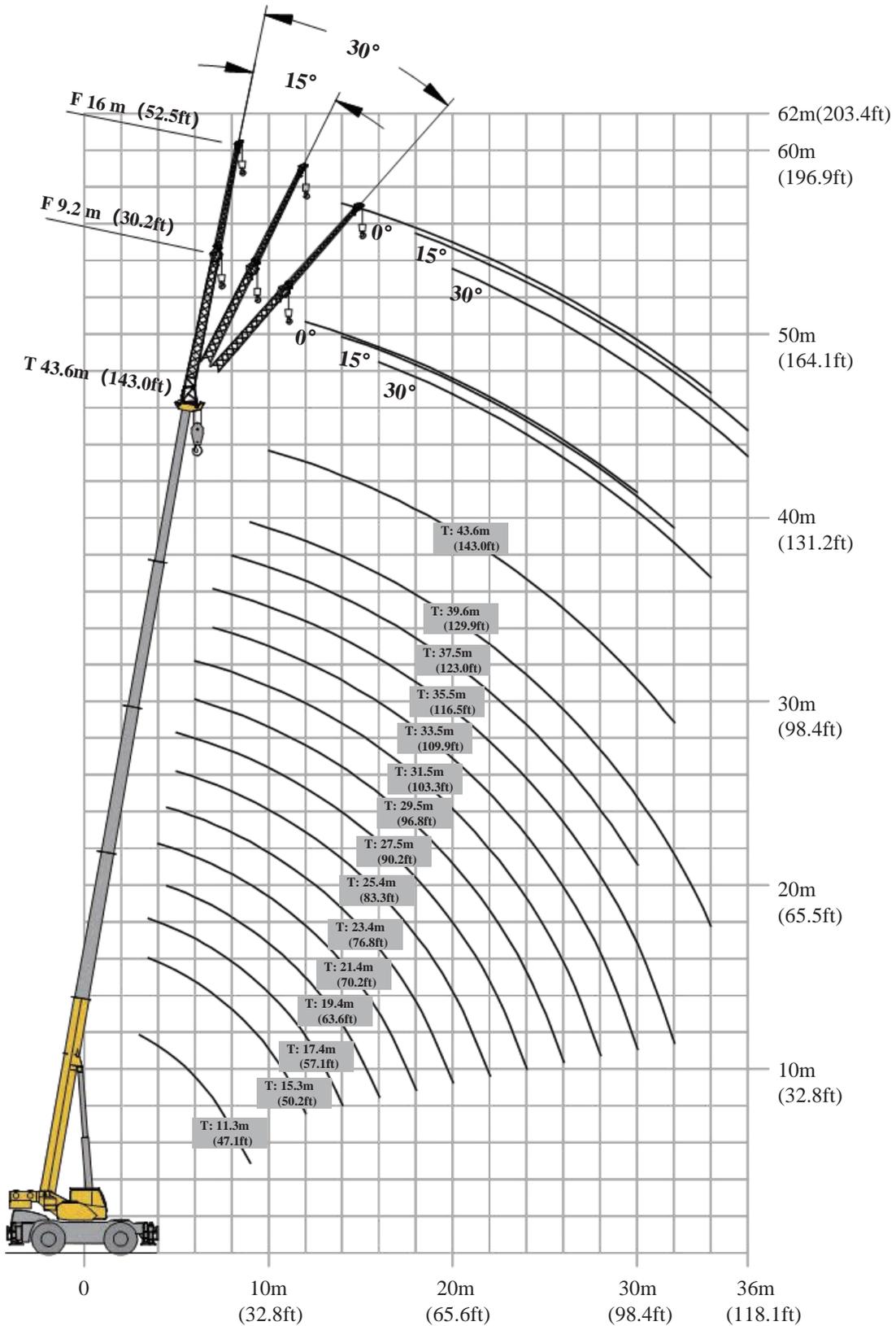
57.1 m
(187.3 ft)



BOOM / JIB COMBINATIONS

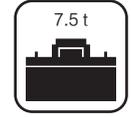
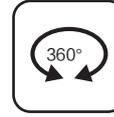
BOOM	BOOM + ONE JIB SECTION	BOOM + TWO JIB SECTIONS
11.3~43.6m (37.1~143.0ft)	43.6m+9.2m (143.0ft+30.2ft)	43.6m+16 m (143.0ft+52.5ft)





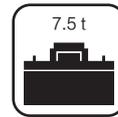
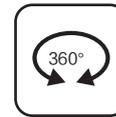
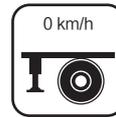
LOAD CHARTS

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

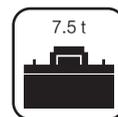
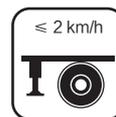
T 11.3~31.5 m
ASME B30.5 85% Units:t



	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



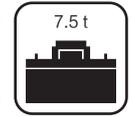
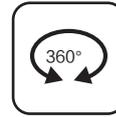
	11.3	15.3	19.4	25.4	31.5	
3	10.6					3
3.5	9.4	9.1	8.8			3.5
4	8.3	8	7.8			4
4.5	7.4	7.1	6.9			4.5
5	6.6	6.3	6.1	6.8		5
5.5	5.9	5.6	5.4	6.1		5.5
6	5.2	5	4.7	5.5	6	6
6.5	4.7	4.4	4.2	4.9	5.4	6.5
7	4.2	3.9	3.7	4.4	4.9	7
7.5	3.2	3	2.8	3.6	4	7.5
8		2.3	2.1	2.9	3.3	8
9		1.1		1.7	2.2	9
10					1.3	10



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J 9.2-16 m

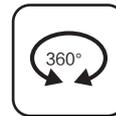
ASME B30.5 85% Units:t



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

ROUGH TERRAIN CRANE XCR60_U

Reach That Matters

T 37.1~143.0 ft

ASME B30.5 85%

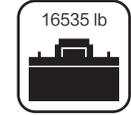
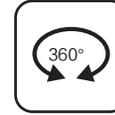
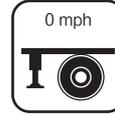
Units: lb



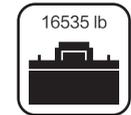
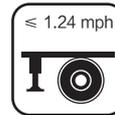
	37.1	50.2	57.1	63.6	70.2	76.8	83.3	90.2	96.8	103.3	109.9	116.5	123.0	129.9	143.0	
9.8	120,000															9.8
11.5	113,537	99,207	52,910													11.5
13.1	104,719	94,798	52,910		52,910											13.1
14.8	94,798	88,184	52,910	72,752	52,910	55,115										14.8
16.4	91,491	82,673	52,910	69,445	52,910	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

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T 37.1~103.3 ft
ASME B30.5 85% **Units: lb**



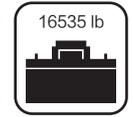
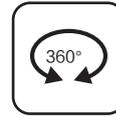
	37.1	50.2	63.6	83.3	103.3	
9.8	23,369					9.8
11.5	20,723	20,062	19,400			11.5
13.1	18,298	17,637	17,196			13.1
14.8	16,314	15,653	15,212			14.8
16.4	14,550	13,889	13,448	14,991		16.4
18.0	13,007	12,346	11,905	13,448		18.0
19.7	11,464	11,023	10,362	12,125	13,228	19.7
21.3	10,362	9,700	9,259	10,803	11,905	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



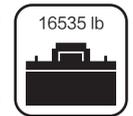
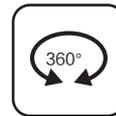
	37.1	50.2	63.6	83.3	103.3	
13.1	23,810	19,400	18,739			13.1
14.8	20,062	16,314	15,653			14.8
16.4	16,975	13,889	13,228	15,432		16.4
18.0	14,550	11,905	11,243	13,448		18.0
19.7	12,566	10,141	9,700	11,684	12,787	19.7
21.3	10,803	8,818	8,157	10,141	11,243	21.3
23.0	9,259	6,393	5,732	7,716	8,818	23.0
24.6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



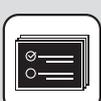
	143.0 ft+52.5 ft			
	0°	15°	30°	
45.9	6,393			45.9
52.5	6,173			52.5
59.1	5,952	4,189		59.1
65.6	5,512	3,968	2,866	65.6
72.2	5,071	3,748	2,646	72.2
78.7	4,630	3,307	2,646	78.7
85.3	4,189	3,086	2,646	85.3
91.9	3,748	2,866	2,425	91.9
98.4	3,527	2,866	2,425	98.4
105.0	2,646	2,646	2,205	105.0
111.5	1,984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

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.



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Website: xcmg-usa.com/products/cranes-and-hoisting/

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