

## Technical Specifications

### Main Technical Data Table of XCT12L4 in Travel configuration

(Subject to technical improvement)

Category	Item		Unit	Parameter	
Dimensions	Overall length		mm	10900	
	Overall width		mm	2500	
	Overall height		mm	3550	
	Wheel base		mm	4700	
	Track		mm	Meritor : 2076/1830 Hande : 2048/1830	
	Front overhang		mm	1450	
	Rear overhang		mm	2455	
Weight	Total weight in travel		kg	16000	
	Axle load	1st axle	kg	6000	
		2nd axle	kg	10000	
Power	China National IV	Engine model		SC7H230Q4	WP6.220E40
		Engine rated power	kw/(r/min)	170/2300	162/2300
		Engine rated torque	N.m/(r/min)	900/1400	850/1400-1600
	China National V	Engine model		SC7H230Q5	WP6.220E50
		Engine rated power	kw/(r/min)	170/2300	162/2300
		Engine rated torque	N.m/(r/min)	900/1200-1600	850/1200-1600
Travel	Travel speed	Max. travel speed	km/h	90	
		Min. travel speed	km/h	2~3	
	Turning diameter	Min. turning diameter	m	18	
		Min. turning diameter at boom tip	m	22	
	Min. ground clearance		mm	250	
	Approach angle		°	21	
	Departure angle		°	13	
	Braking distance (at 60 km/h)		m	≤10	
	Max. grade ability		%	41	
	Oil consumption per 100 km (theoretical)		L	20	
	Exterior noise level		dB(A)	≤84	
	Noise level at seated position		dB(A)	≤90	

**We reserve the right to modify the design without notice for improvement.**

### Main Technical Data Table for Lifting Operation

(Subject to technical improvement)

Category	Item		Unit	Parameter	
Main performance	Max. total rated lifting capacity		t	12	
	Min. rated working radius		m	3	
	Turning radius at turntable tail	Counterweight	mm	2570	
		Auxiliary winch	mm	2910	
	Max. load moment	Base boom	t.m	48.25	
		Fully-extended boom	t.m	27.60	
	Outrigger span (fully-extended)	Longitudinal	m	4.57	
		Lateral	m	5.5	
	Hoist height	Base boom	m	9.5	
		Fully-extended boom	m	30.9	
		Fully-extended boom + Jib	m	38.1	
	Boom length	Base boom	m	9.45	
		Fully-extended boom	m	30.5	
Fully-extended boom + Jib		m	30.5+7		
Jib offset angle		°	0		
Working speed	Elevating time	Boom raising	s	≤38	
	Telescoping time	Fully extended	s	≤58	
	Max. slewing speed		r/min	3	
	Outrigger extending and retracting time	Outrigger beam	Extending Simultaneously	s	≤20
			Retracting Simultaneously	s	≤15
		Outrigger jack	Extending Simultaneously	s	≤25
			Retracting Simultaneously	s	≤20
	Hoisting speed (single line, 4th layer)	Main winch	m/min	138	
Auxiliary winch		m/min	138		
Noise	Exterior noise level		dB (A)	≤122	
	Noise level at seated position		dB (A)	≤90	

### Rated Load Charts of XCT12L4 Truck Crane

Over rear and over side on fully-extended outriggers							
Working radius (m)	Base boom 9.45m	Medium- length boom 13.65m	Medium- length boom 17.85m	Medium- length boom 22.05m	Medium- length boom 26.25m	Medium- length boom 30.5m	Fully-extended boom + jib 30.5+7m
	Lifting load (kg)	Lifting load (kg)	Lifting load (kg)	Lifting load (kg)	Lifting load (kg)	Lifting load (kg)	Lifting load (kg)
3	12000	9550	8950				
3.5	12000	9550	8750	7300			
4	11000	9500	8550	7150			
4.5	10200	9500	8300	6500	5500		
5	9650	9200	8000	6100	5200		
5.5	8400	8600	7800	5750	4900	4000	
6	7300	7500	7300	5400	4650	3800	
6.5	6400	6600	6700	5100	4400	3600	
7	5600	5750	5900	4850	4100	3450	2100
8		4700	4800	4300	3600	3050	2100
9		3700	3800	3800	3400	2800	2100
10		3100	3200	3250	3100	2600	1900
11		2500	2700	2750	2700	2500	1800
12			2300	2300	2400	2300	1650
14			1700	1700	1750	1750	1200
16				1300	1300	1350	1100
18				1000	980	1050	900
20					800	850	750
22					600	650	550
24						450	350
26						350	300
Parts of line	6	6	5	4	3	3	1
Second boom	0	20%	40%	60%	80%	100%	100%
Third boom	0	20%	40%	60%	80%	100%	100%
Fourth boom	0	20%	40%	60%	80%	100%	100%
Min. boom angle	31°	28°	33°	31°	29°	28°	46°
Max. boom angle	65°	73°	77°	79°	79°	79°	80°
Weight of hook block	145kg						60kg