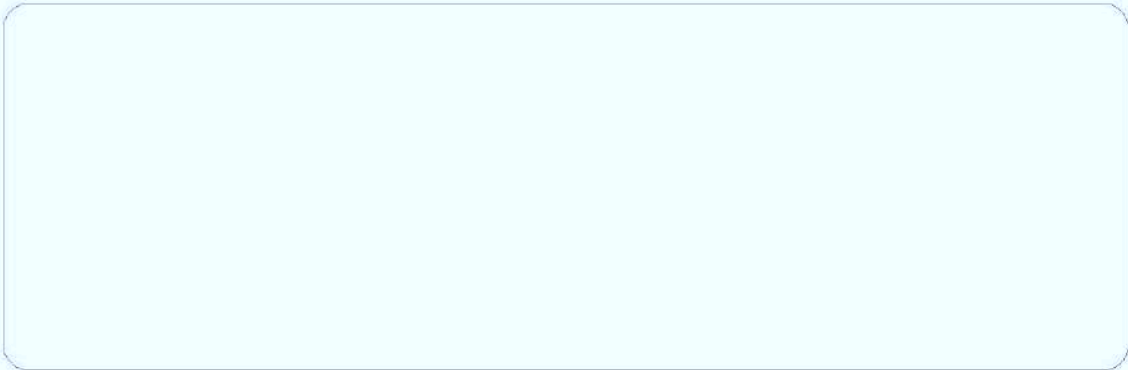




ZOOMLION



ZOOMLION

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Vision Creates Future

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ZOOMLION



As one of the most important business divisions of Zoomlion, the Mobile Crane Branch Company was established in 2003 via Zoomlion's mergers & acquisitions (M & A) of Hunan PuYuan (Holdings) Co., Ltd., which is the predecessor of the Branch Company and which has enjoyed a high reputation in its technology, brand and management both in and out of the construction machinery industry. The Branch Company combines research, development, manufacturing and test as a whole and covers three Industrial Parks-QuanTang Industrial Park, GuanXi Industrial Park and LuGu Industrial Park in a total production area of more than 660,000 m². Its annual turnover is nearly 20 billion Chinese Yuan, providing four types of cranes, i.e. 12 tons to 220 tons truck cranes, 180 tons to 2000 tons all terrain cranes, 50 tons to 3200 tons crawler cranes and 35 tons 100 tons rough terrain cranes. Its products have been widely used in infrastructure construction, municipal construction, rail transit construction, petrochemical industry, logistics area, thermal power station, nuclear power plant and wind power plant constructions.

As a company with 40-year history in researching, developing and manufacturing mobile cranes, it has witnessed the development of China mobile crane industry, and participated in it honorably. Zoomlion is the first company that has the ability to research, develop and manufacture both the crane superstructure and chassis. And it is also the first company to import and assimilate the all terrain crane technologies from Europe. Furthermore, it is the pioneer company to manufacture the largest-tonnage truck cranes and crawler cranes in China. Zoomlion has become one of the leaders in large-tonnage mobile crane industry of China with its high product intelligence, core technologies and good appearance.

The Branch Company has implemented Lean Production (LP), which adopts a manufacturing process in which the assembly of the chassis, slewing table & complete vehicle and the painting of the complete vehicle are carried out in a sequential manner on the assembly lines to create a finished product. Advanced technological equipment from Germany, Sweden, America and Japan, high-efficient & professional staff and the strict standardization process control have guaranteed excellent products.

Insistently adhering to the "Customer-orientated" core marketing concept, the Branch Company has set up an independent and perfect sales network and has taken the lead in building the "four in one" channel marketing mode in China. It has set up marketing service agencies all over the main medium and big cities in China. It has also advocated and devoted to the Product Life Cycle Services. At the same time, it has established and make innovations on the new service standards, thus to persistently upgrade and enrich values of customers. Via opening up new markets in the global perspective, products of the Branch Company have been sold to many regions, e.g. North America, Europe, Australia, Central Asia, West Asia, Southeast Asia, Central America, South America and Africa, etc. all over the world till now.

Obedience to the core concept of "Fully Actualized Sincerity Far-reaching and Long-lasting", the Mobile Crane Branch Company determines to become the first-class mobile crane manufacturer in the world with its unceasing innovation and persistent pursuit of excellence.

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Outstanding Lifting Capacity >>>

- 5-section U-type telescopic boom, 2-section jib
- Max. lifting height of main boom: 43.6 m
Max. lifting height of jib: 59.5 m
Considerable gain in working range due to extraordinary lifting height
- Rated lifting capacity of 1 ton at 32 m working radius of main boom
- Max. rated lifting capacity of jib: 4.5 tons
- 5.5 tons counterweight and one-stage sliding beam (7.1 m outrigger spread in width), offering excellent stability.

Excellent Operation Performance >>>

- Min. stable slewing speed of 30 min./circle, providing accurate micro-positioning performance
- Optimized matching of derricking balancing valve and derricking control valve, improving derricking stability
- After system improvement, the phenomena below can be avoided:
 - The load moving down uncontrollably at secondary winch operation after crane shutdown
 - Impact during starting.

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Professional Chassis Design >>>

- Powerful and energy-saving chassis drive, with field-proven components
- Comfortable and spacious driver's cab of outstanding functionality, with optional sleeper berth
- Large-volume expansion tank, large-capacity vertical silencer, multi-stage compound air filter and triple fuel filter system.



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High-Efficient Operation Process >>>

- Multivariable simultaneous crane movements, enhancing work efficiency
- 12 tons hook for medium-to-long boom variants, improving hoist efficiency by 30%
- Additional pilot pressure switch and pre-selection switch "Telescope / auxiliary winch", providing much more convenient operation.



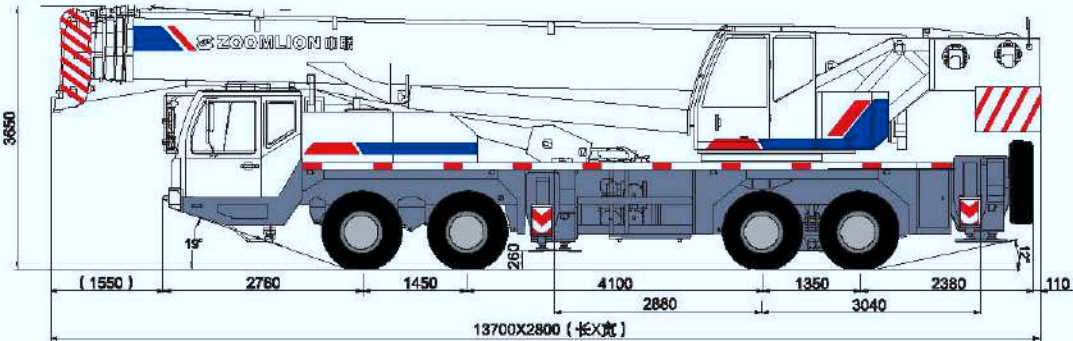
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QY60V Technical data

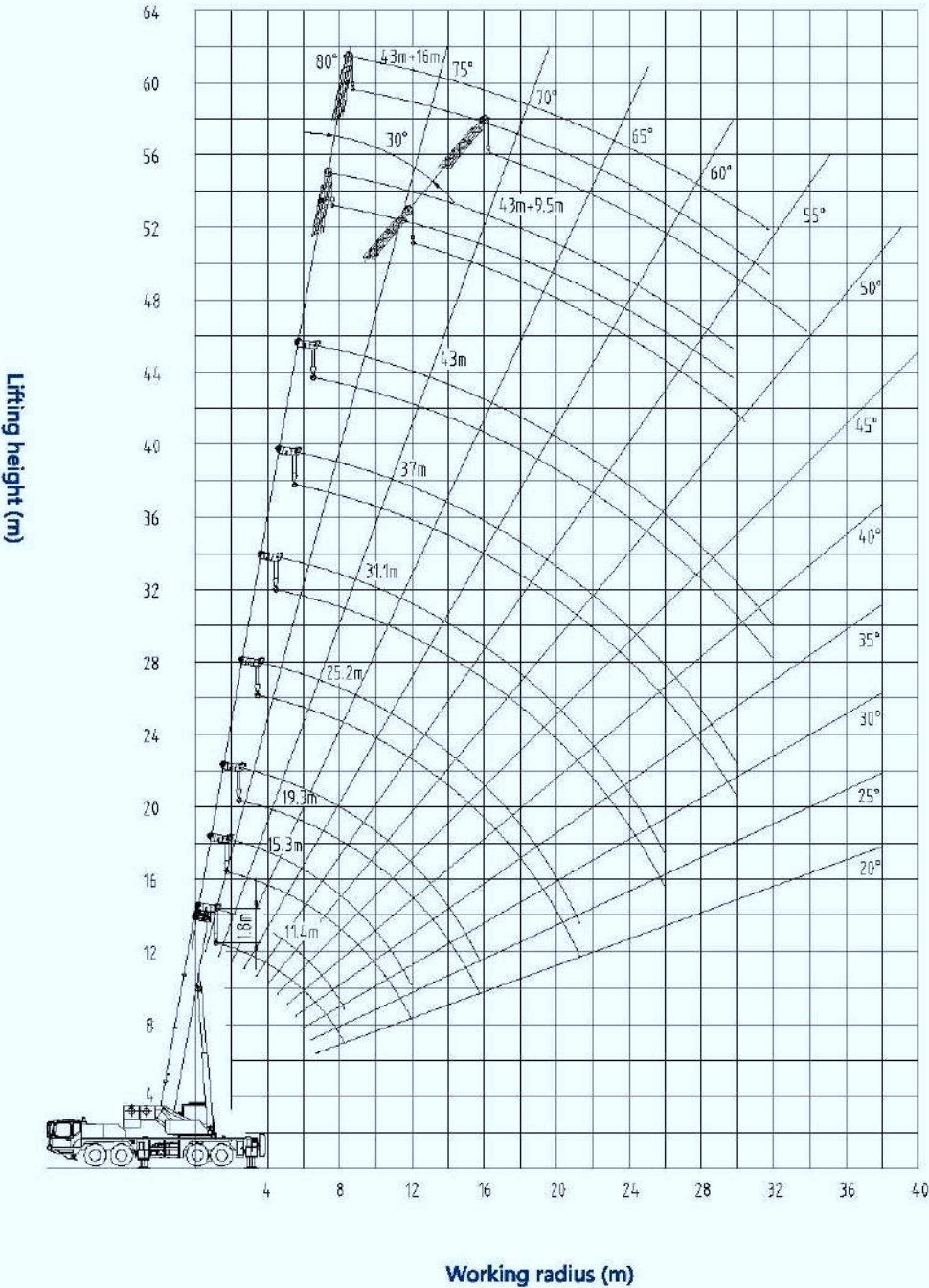
Item			Value
Work performance	Max. rated lifting capacity	kg	60000
	Max. load moment of basic boom	kN.m	2009
	Max. load moment of main boom (fully extended)	kN.m	1050
	Max. lifting height of basic boom	m	12.6
	Max. lifting height of main boom	m	43.6
	Max. lifting height of jib	m	59.5
Work speeds	Max. hoist rope speed (Main winch)	m/min	120
	Max. hoist rope speed (Auxiliary winch)	m/min	120
	Boom derricking up time	s	50
	Boom extending time	min	95
Driving	Max. slewing speed	r/min	0~2.2
	Max. driving speed	km/h	76
	Max. gradeability	%	40
	Min. turning diameter	m	≤24
	Min. ground clearance	mm	280
Mass	Oil consumption per hundred kilometers	L	43
	Deadweight in driving condition	kg	42000
	Complete vehicle kerb mass	kg	41870
	Front axle load	kg	16000
Dimensions	Rear axle load	kg	26000
	Overall dimensions (L×W×H)	mm	13700×2800×3650
	Outrigger spread (L)	m	5.92
	Outrigger spread (W)	m	全伸7.10 半伸4.80
	Tail slewing radius	mm	3900
	Main boom length	m	11.4~43.0
	Boom angle	°	-2~80
	Jib length	m	9.5、16.0
Offset			0、30

Overall view (Unit: Metric mm)





QY60V | Lifting height charts



Unit : Metric kg

QY60V / Table 1 | Lifting capacity tables

Telescoping cylinder I and outriggers fully extended, over side and over rear								
Working radius (m)	Main boom (m)							Working radius (m)
	11.4	15.3	19.3	25.2	31.1	37.0	43.0	
3.0	60000*	45000*	35000					3.0
3.5	54000*	45000*	35000					3.5
4.0	48000*	45000*	35000	25000				4.0
4.5	45000*	43000*	32500	25000				4.5
5.0	41000*	40000	30000	25000				5.0
5.5	36000	36000	28000	24000	17500			5.5
6.0	32500	32500	26500	22500	17500			6.0
6.5	29500	29500	25000	21000	17500			6.5
7.0	26500	26500	23500	20000	17500	14000		7.0
7.5	23500	23500	22000	19000	16700	13500		7.5
8.0	21000	21000	21000	18000	16000	13000		8.0
9.0	16500	16500	16500	16500	14500	12200	9500	9.0
10.0		13500	13500	14500	13500	11500	9300	10.0
11.0		11000	11000	12000	12500	10700	9000	11.0
12.0		9000	9000	10000	10900	10100	8500	12.0
14.0			6300	7300	8100	8500	7500	14.0
16.0			4400	5400	6100	6500	6700	16.0
18.0				4000	4700	5100	5400	18.0
20.0				3000	3600	4000	4300	20.0
22.0				2200	2800	3200	3500	22.0
24.0					2100	2500	2800	24.0
26.0					1550	1950	2200	26.0
28.0						1500	1750	28.0
30.0						1100	1350	30.0
32.0							1000	32.0
I	0	3.9	7.9	7.9	7.9	7.9	7.9	I
II	0	0	0	5.9	11.8	17.7	23.7	II
Reeving	9	9	8	6	4	4	4	Reeving
Hook	40 t hook							Hook



Unit : Metric kg

QY60V / Table 2-3 Lifting capacity tables

Telescoping cylinder I intermediately extended and outriggers fully extended, over side and over rear							Telescoping cylinder I fully retracted and outriggers fully extended, over side and over rear					
Working radius (m)	Main boom (m)						Main boom (m)					Working radius (m)
	11.4	15.3	21.2	27.1	33.0	39.0	11.4	17.3	23.3	29.1	35.1	
3.0	60000*	45000*	25000				60000*	25000				3.0
3.5	54000*	45000*	25000				54000*	25000	17500			3.5
4.0	48000*	45000*	25000				48000*	25000	17500			4.0
4.5	45000*	43000*	25000	17500			45000*	25000	17500			4.5
5.0	41000*	40000	25000	17500			41000*	25000	17500	14000		5.0
5.5	36000	36000	25000	17500			36000	25000	17500	14000		5.5
6.0	32500	32500	25000	17500	14000		32500	25000	17000	13500		6.0
6.5	29500	29500	25000	17500	14000		29500	25000	16500	12900	9500	6.5
7.0	26500	26500	25000	17500	13500		26500	25000	16000	12300	9500	7.0
7.5	23500	23500	25000	17500	13000	9500	23500	24000	15500	11800	9500	7.5
8.0	21000	21000	23000	17000	12500	9500	21000	23000	15000	11300	9500	8.0
9.0	16500	16500	18500	16000	11500	9500	16500	19000	14000	10400	9200	9.0
10.0		13500	15100	15100	10500	9000		15700	13000	9600	8500	10.0
11.0		11000	12500	13200	9700	8500		13000	12000	8900	7800	11.0
12.0		9800	10500	11200	9000	8000		11000	11500	8300	7300	12.0
14.0			7700	8400	7800	7000		8200	8800	7300	6300	14.0
16.0			5800	6400	6800	6100			6800	6400	5500	16.0
18.0			4400	5000	5400	5400			5400	5700	4900	18.0
20.0				3900	4300	4600				4700	4300	20.0
22.0				3100	3400	3700				3800	3900	22.0
24.0					2700	3000				3100	3400	24.0
26.0					2200	2500					2800	26.0
28.0					1700	2000					2300	28.0
30.0						1600					1900	30.0
32.0						1250						32.0
I	0	3.9	3.9	3.9	3.9	3.9	0	0	0	0	0	I
II	0	0	5.9	5.9	11.8	17.7	0	5.9	11.8	17.7	23.7	II
Reeving	9	9	6	4	4	3	9	6	4	4	3	Reeving
Hook	40 t hook											Hook

Unit : Metric kg

QY60V / Table 4 Lifting capacity tables

Telescoping cylinder I fully extended and outriggers intermediately extended, over side and over rear								
Working radius (m)	Main boom (m)							Working radius (m)
	11.4	15.3	19.3	25.2	31.1	37.0	43.0	
3.0	50000*	45000*	35000					3.0
3.5	50000*	45000*	35000					3.5
4.0	45000*	41000*	35000	25000				4.0
4.5	38000	37000	32500	25000				4.5
5.0	30000	29500	29500	25000				5.0
5.5	24500	24000	23800	24000	17500			5.5
6.0	20500	20000	19700	21200	17500			6.0
6.5	17500	17000	16700	18000	17500			6.5
7.0	15000	14500	14300	15600	16500	14000		7.0
7.5	13000	12500	12300	13600	14400	13500		7.5
8.0	11500	11000	10800	12000	12800	13000		8.0
9.0	9000	8500	8300	9500	10200	10700	9500	9.0
10.0		6700	6500	7600	8300	8800	9200	10.0
11.0		5300	5100	6200	6900	7300	7700	11.0
12.0		4200	4000	5000	5700	6100	6500	12.0
14.0			2400	3400	4000	4400	4700	14.0
16.0			1200	2200	2800	3200	3500	16.0
18.0				1300	1900	2300	2600	18.0
20.0					1200	1600	1900	20.0
22.0							1300	22.0
24.0								24.0
26.0								26.0
I	0	3.9	7.9	7.9	7.9	7.9	7.9	I
II	0	0	0	5.9	11.8	17.7	23.7	II
Reeving	9	9	8	6	4	4	3	Reeving
Hook	40 t hook							Hook

Unit : Metric kg

QY60V / Table 5-6 | Lifting capacity tables

Telescoping cylinder I and outriggers intermediately extended, over side and over rear							Telescoping cylinder I fully retracted and outriggers intermediately extended, over side and over rear					
Working radius (m)	Main boom (m)						Main boom (m)					Working radius (m)
	11.4	15.3	21.2	27.1	33.0	39.0	11.4	17.3	23.3	29.1	35.1	
3.0	50000*	45000*	25000				50000*	25000				3.0
3.5	50000*	45000*	25000				50000*	25000	17500			3.5
4.0	45000*	41000*	25000				45000*	25000	17500			4.0
4.5	38000	37000	25000	17500			38000	25000	17500			4.5
5.0	30000	29500	25000	17500			30000	25000	17500	14000		5.0
5.5	24500	24000	25000	17500			24500	25000	17500	14000		5.5
6.0	20500	20000	21600	17500	14000		20500	22200	17000	13500		6.0
6.5	17500	17000	18400	17500	14000		17500	19100	16500	12900	9500	6.5
7.0	15000	14500	15900	16800	13500		15000	16600	16000	12300	9500	7.0
7.5	13000	12500	13900	14800	13000	9500	13000	14600	15500	11800	9500	7.5
8.0	11500	11000	12300	13100	12500	9500	11500	12900	13600	11300	9500	8.0
9.0	9000	8500	9800	10500	11000	9500	9000	10300	11000	10400	9200	9.0
10.0		6700	7900	8600	9100	9000		8400	9100	9500	8500	10.0
11.0		5300	6500	7200	7600	8000		7000	7600	8000	7800	11.0
12.0		4200	5400	6000	6400	6800		5900	6400	6800	7100	12.0
14.0			3700	4300	4600	5000		4200	4700	5000	5300	14.0
16.0			2500	3100	3400	3700			3500	3800	4100	16.0
18.0			1600	2200	2500	2800			2600	2900	3200	18.0
20.0				1500	1800	2100				2200	2500	20.0
22.0					1300	1600				1600	1900	22.0
24.0										1200	1400	24.0
26.0												26.0
I	0	3.9	3.9	3.9	3.9	3.9	0	0	0	0	0	I
II	0	0	5.9	11.8	17.7	23.7	0	5.9	11.8	17.7	23.7	II
Reeving	9	9	6	4	4	3	9	6	4	4	3	Reeving
Hook	40 t hook											Hook

Unit : Metric kg

QY60V / Table 7 | Lifting capacity tables

Boom angle (°)	Main boom (m) + jib (m)			
	43+9.5		43+16	
	0°	30°	0°	30°
80	4500	2150	2800	1000
78	4500	2100	2600	1000
76	4200	2000	2300	1000
74	3800	1950	2150	1000
72	3500	1900	1900	1000
70	3200	1850	1750	950
68	3000	1800	1650	950
66	2700	1750	1550	900
64	2400	1700	1450	850
62	2100	1650	1350	800
60	1800	1500	1250	750
58	1500	1200	1100	700
56	1200	1000	900	600
54	1000	850	750	
52	800	550		
Reeving	1			
Hook	4.5 t hook			