

TRUCK CRANE

QY70V532



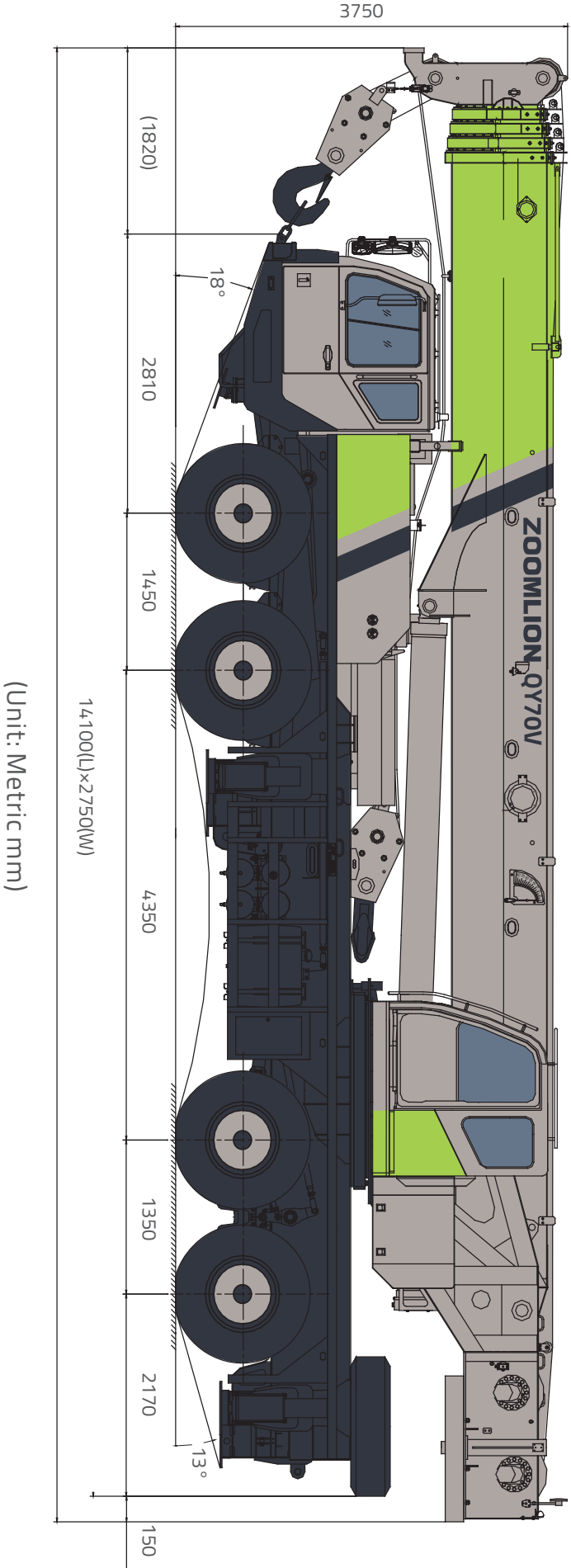
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Features

Lifting capacity

- 1. Continuously overall promotion makes our lifting capacity of crane be improved once and once again
- 2. 43 m main boom , two section jibs (9.5m . 16m)
- 3. Optimized central slewing position increases the lifting capacity of the crane over rear
- 4. Large outrigger span improves the working stability of the crane greatly
- 5. Adopt internationally advanced structure analysis and calculation methods to develop the lifting capacity of crane deeply
- 6. Leading boom manufacturing process in trade.

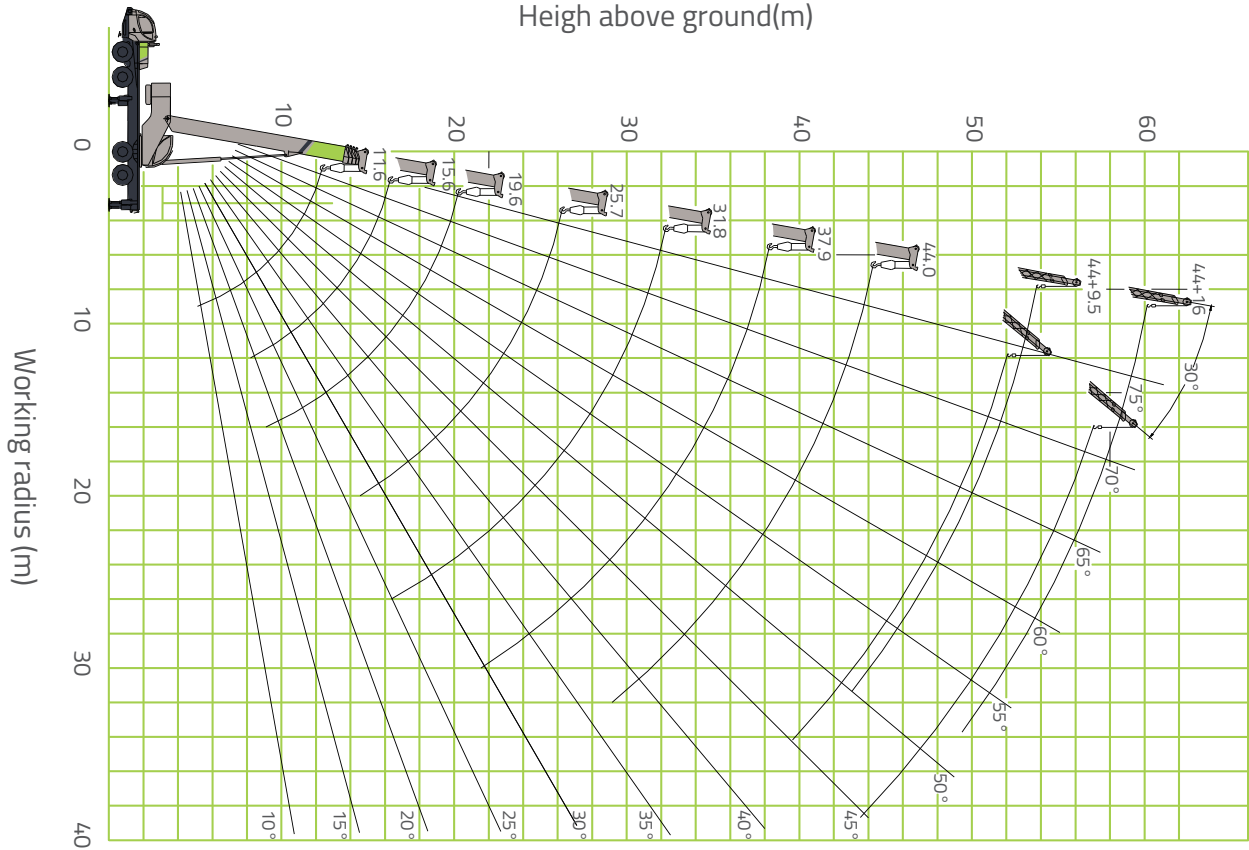
Overall View



Technical Data

Items		Unit	Values	Remarks
Working performance	Max. rated lifting capacity	kg	70000	
	Max. load moment of basic boom	kN.m	2352	
	Max. load moment of Max. length boom	kN.m	1098	
	Max. lifting height of basic boom	m	12.2	
	Max. lifting height of boom	m	44.2	The specifications do not include deflection of boom and jib.
Working speeds	Max. lifting height of jib	m	60.2	
	Max. hoist rope speed (Main winch)	m/min	≥135	
	Max. hoist rope speed (Auxiliary winch)	m/min	≥110	Drum 4 th layer
	Boom derricking up time	s	57	Drum 2 nd layer
	Boom extending time	s	107	
	Slewing speed	r/min	1.8	
	Max. driving speed	km/h	75	
Driving parameters	Max. gradeability	%	37	
	Min. turning diameter	m	24	
	Min. ground clearance	mm	280	
	Oil consumption per hundred kilometers	L	46	
Mass	Deadweight in driving condition	kg	45000	
	Complete vehicle kerb mass	kg	44870	
	Axle load (Front)	kg	19000	
	Axle load (Rear)	kg	26000	
Dimensions	Overall dimensions (L × W × H)	mm	14100×2750×3750	
	Longitudinal distance between outriggers	m	6.00	
	Transversal distance between outriggers	m	Fully extended 7.60 Half-extended 5.04	
	Slewing radius	mm	4020	
	Boom length	m	11.6~44.0	
	Boom angle	°	-2~80	
	Jib length	m	9.5, 16	
	Offset	°	0, 30	

Lifting Height Chart



Rated Lifting Capacity Tables

This crane is provided with 13 sheets of rated lifting capacity tables. The operator should select proper rated lifting capacity referring to resp. Lifting capacity tables according to actual working conditions. For details, please refer to Table 1 to Table 13.

The values in column "I" refer to the extendable length of telescoping cylinder I.

The values in column "II" refer to 3 times extendable length of telescoping cylinder II, namely, the total extendable length of boom section 3, 4 and 5.

Table 1Unit: Metric kg

Working radius (m)	Boom(m)									
	Outriggers fully extended, over side and over rear Telescopic cylinder I fully extended									
	11.6	15.6	19.6	25.7	31.8	37.9	44.0			
3.0	70000	50000	40000							
3.5	64000	50000	40000							
4.0	56000	48000	40000	28000						
4.5	52000	44000	40000	28000						
5.0	48000	43000	38500	27000						
5.5	43000	39000	36000	26000	18000					
6.0	39000	37000	34000	25000	18000					
6.5	35000	33000	31500	24000	18000					
7.0	30000	28700	28700	23000	18000	14100				
7.5	26500	25000	25000	22000	18000	14100				
8.0	23500	22500	22500	21000	17500	14100				
9.0	18200	18200	18200	18500	16000	14100	10000			
10.0		14700	14700	15300	14500	13300	10000			
11.0		12200	12200	12700	13000	12000	9500			
12.0		10000	10200	11000	11500	11300	9200			
14.0			7100	8200	8800	9300	8200			
16.0			5300	6000	6700	7200	7300			
18.0				4700	5200	5500	5900			
20.0					4000	4300	4600			
22.0					3100	3450	3800			
24.0					2300	2750	3050			
26.0					1700	2100	2450			
28.0						1600	1950			
30.0						1200	1500			
32.0							1200			
I	0	4.0	8.0	8.0	8.0	8.0	8.0			
II	0	0	0	6.1	12.2	18.3	24.4			
Reeving	12	9	9	5	5	3	3			
Hook	70 t main hook									

Table 2Unit: Metric kg

Working radius (m)	Boom(m)											
	Outriggers fully extended, over side and over rear Telescopic cylinder I						Outriggers fully extended, over side and over rear Telescopic cylinder I fully retracted					
	11.6	15.6	21.7	27.8	33.9	40.0	11.6	17.7	23.8	29.9	36.0	
3.0	70000	50000					70000	28000				
3.5	64000	50000	28000				64000	28000				
4.0	56000	48000	28000				56000	28000	17800			
4.5	52000	44000	28000				52000	28000	17600			
5.0	48000	43000	27000	18000			48000	27000	17400	14000		
5.5	43000	39000	26000	18000			43000	26000	17200	14000		
6.0	39000	37000	25000	18000			39000	25000	17000	14000		
6.5	35000	33000	24000	18000	14000		35000	24000	16800	14000		
7.0	30000	28700	23000	17500	14000		30000	23000	16500	14000	9000	
7.5	26500	25000	22000	17000	14000		26500	22000	16000	14000	9000	
8.0	23500	22500	21000	16500	14000	9500	23500	21000	15500	13000	9000	
9.0	18200	18200	19100	16000	14000	9000	18200	19800	15000	12100	8800	
10.0		14700	15600	14500	13000	8500		16300	14500	11300	8600	
11.0		12200	13000	13800	12000	8000		13700	14000	10500	8300	
12.0		10000	11000	11700	11000	7700		11700	12400	9700	8000	
14.0			8200	8800	9300	7200			9400	8600	7500	
16.0			6100	6700	7200	6800			7400	7600	6800	
18.0				5200	5700	6000				6000	6000	
20.0				4100	4500	4800				4900	5200	
22.0				3200	3700	3900				4100	4300	
24.0					2900	3200					3600	
26.0					2300	2600					3000	
28.0					1800	2100					2500	
30.0						1600						
32.0						1300						
I	0	4.0	4.0	4.0	4.0	4.0	0	0	0	0	0	
II	0	0	0	6.1	12.2	18.3	24.4	0	6.1	12.2	18.3	24.4
Reeving	12	9	5	5	5	3	3	12	5	5	3	3
Hook	70 t main hook											

Table 3

Unit: Metric kg

Working radius (m)	Boom(m)															
	Outriggers intermediately extended, over side and over rear Telescopic cylinder fully extended								Outriggers intermediately extended, over side and over rear Telescopic cylinder intermediately extended							
3.0	11.6	15.6	19.6	25.7	31.8	37.9	44.0	11.6	15.6	21.7	27.8	33.9	40.0			
3.5	50000	45000	40000					60000	50000							
4.0	40000	40000	40000	28000				40000	40000	28000						
4.5	35000	35000	35000	28000				35000	35000	28000						
5.0	32800	32000	31500	27000				32800	32000	27000	18000					
5.5	26500	25700	25200	26000	18000			26500	25700	26000	18000					
6.0	21900	21200	20800	22200	18000			21900	21200	22900	18000					
6.5	18500	17800	17500	18800	18000			18500	17800	19400	17500	14000				
7.0	15800	15200	14900	16200	17000	14000		15800	15200	16700	17000	14000				
7.5	13700	13100	12800	14000	14800	14000		13700	13100	14600	15400	14000				
8.0	12000	11400	11100	12300	13000	13500		12000	11400	12800	13600	13500	9500			
9.0	9300	8800	8500	9700	10400	10900	10000	9300	8800	10200	10800	11300	9000			
10.0		6900	6600	7700	8400	8800	9200		6900	8200	8800	9300	8500			
11.0		5400	5100	6200	6800	7200	7600		5400	6700	7300	7700	8100			
12.0		4200	4000	5000	5600	6000	6400		4200	5500	6100	6500	6800			
14.0			2300	3300	3900	4300	4600			3700	4300	4700	5000			
16.0				2000	2600	3000	3300				3000	3400	3700			
18.0					1700	2100	2300					2500	2800			
20.0					1000	1400	1600					1800	2000			
22.0						900	1100						1400			
I	0	4.0	8.0	8.0	8.0	8.0	8.0	0	4.0	4.0	4.0	4.0	4.0			
II	0	0	0	6.1	12.2	18.3	24.4	0	0	6.1	12.2	18.3	24.4			
Reeving	12	9	9	5	5	3	3	12	9	5	5	3	3			
Hook	70t main hook															

Table 4

Working radius (m)	Boom(m)				
	Outriggers intermediately extended, over side and over rear Telescopic cylinder I fully retracted				
3.0	60000	28000	23.8	29.9	36.0
3.5	50000	28000			
4.0	40000	28000	17800		
4.5	35000	28000	17600		
5.0	32800	27000	17400	14000	
5.5	26500	26000	17200	14000	
6.0	21900	23800	17000	14000	
6.5	18500	20200	16800	14000	
7.0	15800	17500	16500	14000	9000
7.5	13700	15300	16000	14000	9000
8.0	12000	13500	14200	13000	9000
9.0	9300	10800	11400	11800	8800
10.0		8800	9400	9800	8600
11.0		7200	7800	8200	8300
12.0		6000	6600	7000	7200
14.0			4800	5100	5300
16.0			3500	3800	4000
18.0				2900	3100
20.0				2200	2400
22.0				1600	1800
24.0					1300
I	0	0	0	0	0
II	0	6.1	12.2	18.3	24.4
Reeving	12	5	5	3	3
Hook	70 t main hook				

Unit: Metric kg

Boom angle (°)	Boom+Fly jib (m)			
	Support leg fully extended, sidewise and rearside operations			
	44,0+9.5		44,0+16.0	
	0°	30°	0°	30°
80°	5000	3000	3000	1300
78°	4700	2850	2700	1200
76°	4400	2600	2400	1150
74°	4100	2450	2100	1100
72°	3800	2300	1850	1050
70°	3500	2200	1700	1000
68°	3200	2100	1600	970
66°	2800	2000	1500	940
64°	2400	1900	1400	910
62°	2100	1800	1300	880
60°	1850	1650	1200	850
58°	1600	1350	1100	800
56°	1300	1150	1000	750
54°	1000	900	800	
52°	800			
Reeving	1			
Hook	5 t auxiliary hook			

Table 5

Unit: Metric kg

Working radius (m)	Boom(m)							
	Outriggers fully extended, over side and over rear, with 2 t movable counterweight Telescopic cylinder I fully extended							
	11.6	15.6	19.6	25.7	31.8	37.9	44.0	
3.0	70000	50000	40000					
3.5	64000	50000	40000					
4.0	56000	48000	40000	28000				
4.5	52000	44000	40000	28000				
5.0	48000	43000	39000	27600				
5.5	43000	39000	36000	26000	18000			
6.0	39000	37000	34200	25500	18000			
6.5	35000	33000	31500	24000	18000			
7.0	30000	29500	29000	23500	18000	14000		
7.5	26500	25000	25000	22500	18000	14000		
8.0	24000	23400	23300	21500	17500	14000		
9.0	18900	18700	18500	19100	16000	14000	10000	
10.0		15200	15100	16300	14500	13300	10000	
11.0		12200	12200	13200	13000	12000	9600	
12.0		10500	10400	11500	12200	11300	9400	
14.0			7400	8500	9200	9600	8300	
16.0			5300	6400	7100	7400	7500	
18.0				4800	5500	6000	6100	
20.0				3650	4300	4800	4900	
22.0					3350	3800	3900	
24.0					2650	3100	3250	
26.0					2000	2400	2700	
28.0						1900	2150	
30.0						1450	1700	
32.0							1350	
I	0	4.0	8.0	8.0	8.0	8.0	8.0	
II	0	0	0	6.1	12.2	18.3	24.4	
Reeving	12	9	9	5	5	3	3	
Hook	70t main hook							

Table 6

Unit: Metric kg

Working radius (m)	Boom(m)									
	Outriggers fully extended, over side and over rear, with 2 t movable counterweight Telescopic cylinder I intermediately extended					Outriggers fully extended, over side and over rear, with 2 t movable counterweight Telescopic cylinder I fully retracted				
3.0	70000	50000					70000	28000		
3.5	64000	50000	28000				64000	28000		
4.0	56000	48000	28000				56000	28000	17800	
4.5	52000	44000	28000				52000	28000	17600	
5.0	48000	43000	27000	18000			48000	27000	17400	14000
5.5	43000	39000	26000	18000			43000	26000	17200	14000
6.0	39000	37000	25000	18000			39000	25000	17000	14000
6.5	35000	33000	24000	18000	14000		35000	24000	16800	14000
7.0	30000	29500	23000	17500	14000		30000	23000	16500	14000
7.5	26500	25000	22000	17000	14000		26500	22000	16000	14000
8.0	24000	23400	21000	16500	14000	9500	24000	21000	15500	13000
9.0	18900	18700	19500	16000	14000	9000	18900	20000	15000	12100
10.0		15200	16500	14500	13000	8500		17000	14500	11300
11.0		12200	13300	13800	12000	8000		13800	14000	10500
12.0		10500	11600	12300	11000	7700		12000	13000	9700
14.0			8600	9300	9300	7300			10000	8600
16.0			6500	7200	7600	6900			7900	7600
18.0				5600	6200	6200				6500
20.0				4400	5000	5000				5400
22.0				3450	4000	4100				4400
24.0					3300	3300				3700
26.0					2650	2800				3200
28.0					2100	2250				2650
30.0						1800				
32.0						1450				
I	0	4.0	4.0	4.0	4.0	4.0	0	0	0	0
II	0	0	6.1	12.2	18.3	24.4	0	6.1	12.2	24.4
Reeving	12	9	5	5	3	3	12	5	5	3
Hook	70t main hook									

Working radius (m)	Unit: Metric kg													
	Boom(m)													
	Outriggers intermediately extended, over side and over rear, with 2 t movable counterweight Telescopic cylinder fully extended							Outriggers intermediately extended, over side and over rear, with 2 t movable counterweight Telescopic cylinder intermediately extended						
3.0	11.6	15.6	19.6	25.7	31.8	37.9	44.0	11.6	15.6	21.7	27.8	33.9	40.0	
			40000					60000	50000					
3.5	50000	45000	40000					50000		28000				
4.0	40000	40000	40000	28000				40000	40000	28000				
4.5	35000	35000	35000	28000				35000	35000	28000				
5.0	32800	32000	31500	27000				32800	32000	27000	18000			
5.5	26500	25700	25200	26000	18000			26500	25700	26000	18000			
6.0	21900	21200	20800	22200	18000			21900	21200	22900	18000			
6.5	18500	17800	17500	18800	18000			18500	17800	19400	17500	14000		
7.0	17000	15200	14900	16200	17000	14000		17000	15200	16700	17000	14000		
7.5	14000	13100	12800	14000	14800	14000		14000	13100	14600	15400	14000		
8.0	13000	12700	12300	13500	13000	13500		13000	12700	13800	13600	13500	9500	
9.0	10000	9900	9700	10800	10400	12000	10000	10000	9900	11200	10800	12300	9000	
10.0		7900	7600	8700	9500	9900	9200		7900	9200	9800	10000	8500	
11.0		5900	5800	6800	7400	8000	7600		5900	7500	8100	8500	8100	
12.0		5000	4800	5900	6500	7000	7300		5000	6300	6900	7300	7600	
14.0			3000	4000	4700	5100	5400			4300	4900	5300	5600	
16.0				2600	3400	3800	4100				3500	3900	4500	
18.0					2400	2800	3100					3000	3300	
20.0					1700	2100	2300					2200	2400	
22.0						1500	1700						1800	
I	0	4.0	8.0	8.0	8.0	8.0	8.0	0	4.0	4.0	4.0	4.0	4.0	
II	0	0	0	6.1	12.2	18.3	24.4	0	0	6.1	12.2	18.3	24.4	
Reeving	12	9	9	5	5	3	3	12	9	5	5	3	3	
Hook	70t main hook													

Working radius (m)	Unit: Metric kg				
	Boom(m)				
	Outriggers intermediately extended, over side and over rear, with 2 t movable counterweight Telescopic cylinder fully retracted				
3.0	11.6	17.7	23.8	29.9	36.0
	60000	28000			
3.5	50000	28000			
4.0	40000	28000	17800		
4.5	35000	28000	17600		
5.0	32800	27000	17400	14000	
5.5	26500	26000	17200	14000	
6.0	21900	23800	17000	14000	
6.5	18500	20200	16800	14000	
7.0	17000	17500	16500	14000	9000
7.5	14000	15300	16000	14000	9000
8.0	13000	14500	14200	13000	9000
9.0	10000	11800	11400	12000	8800
10.0		9800	10400	10500	8600
11.0		8000	8800	8800	8300
12.0		6800	7400	7800	8000
14.0			5400	5700	5900
16.0			4000	4300	4500
18.0				3400	3600
20.0				2600	2800
22.0				2000	2200
24.0					1700
I	0	0	0	0	0
II	0	6.1	12.2	18.3	24.4
Reeving	12	5	5	3	3
Hook	70t main hook				

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