



QY25K 5

Max. Total Rated Lifting Load



25t

Full-extend Boom Lifting Height



38,5m

Full-extend Boom+Jib Lifting Height



46,8m



Total rated lifting load for boom

Working radius (m)	Base boom 10.1m		Mid-extend boom 13.65m		Mid-extend boom 17.2m		Mid-extend boom 22.52m		Mid-extend boom 27.85m		Mid-extend boom 33.18m		Full-extend boom 38.5m	
	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)
3.0	25000	10.2	22000	14.0										
3.5	25000	9.9	21500	13.8										
4.0	24200	9.6	20000	13.6	17000	17.4								
4.5	21800	9.3	18000	13.4	16000	17.2	12000	22.8						
5.0	19100	8.9	16500	13.1	15000	17.0	11400	22.7	9500	28.2				
5.5	17300	8.4	15000	12.8	14000	16.8	10800	22.5	8800	28.0				
6.0	15800	7.9	13500	12.5	13000	16.6	10400	22.3	8400	27.9	6600	33.4		
6.5	13800	7.4	12200	12.2	12200	16.3	9900	22.2	8000	27.8	6200	33.3		
7.0	12200	6.7	11200	11.8	11500	16.1	9400	22.0	7600	27.6	6000	33.2	5000	38.6
8.0	10500	4.8	10500	11.0	10200	15.5	8500	21.5	7300	27.3	5600	32.9	4600	38.4
9.0			8600	9.9	8430	14.8	7800	21.0	6600	26.9	5300	32.6	4300	38.1
10.0			7000	8.6	6930	14.0	7100	20.5	6100	26.5	4900	32.2	4000	37.8
11.0			5900	6.8	5760	13.0	6370	19.9	5600	26.0	4600	31.8	3800	37.5
12.0					4830	11.9	5420	19.2	5200	25.5	4300	31.4	3500	37.1
13.0					4070	10.5	4660	18.4	4700	24.9	4000	31.0	3370	36.8
14.0					3440	8.7	4020	17.5	4260	24.3	3700	30.4	3160	36.3
15.0					2800	6.3	3480	16.5	3720	23.6	3400	29.9	2960	35.9
16.0							3020	15.4	3260	22.8	3100	29.3	2850	35.4
18.0							2260	12.5	2500	21.0	2720	28.0	2550	34.3
20.0							1680	8.1	2010	18.9	2130	26.4	2160	33.1
22.0									1540	16.2	1660	24.6	1820	31.6
24.0									1160	12.5	1380	22.4	1450	30.0
26.0											1060	19.8	1140	28.1
28.0											780	16.5	880	25.9
30.0											550	11.8	660	23.3
32.0													480	20.2
34.0													320	16.2
Parts of line	10		10		6		5		4		3		3	
Min boom angle	24		26.6		19		19.3		25.1		19.6		23.8	
Max boom angle	66.6		73		73.1		75.9		77.6		77.9		78	

Dimensions

Overall length	mm	12000
Overall width	mm	2500
Overall height	mm	3380



Dead weight in travel state	kg	31000
Axle load		
Front axle	kg	6400
Rear axle	kg	24600

Engine

Cummins

Total rated lifting load for jib

Boom angle (°)	360° Fully outriggers			Boom 38,5m			Jib 8,3m		
	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)
78	2800	10.7	47.6	2500	12.1	47.2	1900	13.4	46.1
75	2800	13.1	47.3	2400	14.4	46.4	1750	15.6	45.2
72	2750	15.3	46.4	2200	16.7	45.5	1700	17.8	44.2
70	2650	16.8	45.8	2100	18.2	44.8	1600	19.3	43.5
65	2150	20.4	44.1	1800	21.7	42.9	1500	22.7	41.5
60	1800	23.9	42.1	1600	25.1	40.8	1400	26.1	39.2
55	1200	27.2	39.7	1140	28.3	38.3	1050	29.1	36.6
50	800	30.2	37.1	750	31.3	35.6	700	31.9	33.8
40	280	35.6	31.1	260	36.4	29.4	250	36.8	27.6
hook block weight	55kg								

Travel

Max. travel speed	km/h	75
Min. turning diameter	m	22
Min. ground clearance	mm	260
Approach angle	°	16
Departure angle	°	13
Breaking distance (30km/h)	m	10
Max. Gradeability	%	30

Lifting performance

Max. total rated lifting load	25t
Min. rated working radius	3m
Turning radius at swing table tail	3065mm

Max. load moment

Base boom	961kN.m
Full-extend boom	450kN.m
Full-extend boom+Jib	436kN.m

Outrigger extension distance

Longitudinal/Lateral	4.8/6.0m
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Lifting height

Base boom	10.2m
Full-extend boom	38.5m
Full-extend boom+Jib	46.8m

Working speed

Boom raising	75s
Boom telescoping time	
extending	150s
Max. slewing speed	2.5r/min
Outrigger telescoping time	
Outrigger beam extending/retracting synchronously	35/30s
Outrigger jack extending/retracting synchronously	40/35s
Hoisting speed (single rope)	
Main winch with full load/no load	75/125m/min
Auxiliary winch with full load/no load	75/125m/min

