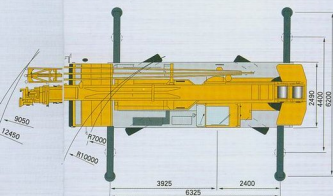
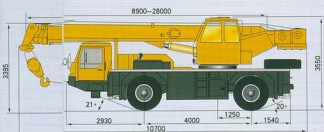


QAY25 全地面起重機

ALL TERRAIN CRAN



Outline dimensions	L × W × H	10700 × 2480 × 3550mm
Total mass		25.2t
Lifting performance	Max. load moment	948 kN·m
	Max. lifting height	Boom 28.2m, Boom + Jib 36.6m
	Max. lifted load for travel	6t
Travel performance	Approach angle	21°
	Departure angle	20°
	Min. ground clearance	360mm
	Max. travel speed	70km/h
	Min. turning diameter	20m for front wheel steering, 14m for all wheel steering, crab walk possible.
Boom	Max. gradeability	58 %
	No. of section	4
	Length	8.9m/28m
	Cross-section	Hexagonal large round angle cross-section, reasonable load, heavy load bearing capability
	Telescoping	Single cylinder plus wire ropes, synchronous telescoping
Jib	No. of section	3
	Type	Triangle lattice structure, good stability and light-weight.
Hoisting	Length	9.15m
	Type	Main and auxiliary winches, built-in planetary reducer driven by constant displacement piston motor
Swing	working speed	Not less than 140m/min
	Type	Two-stage planetary reducer, external coupling and central-adjusting, convenient for adjustment and maintenance, and controlled free-swing available, 360° full swing, swing speed is not less than 2.5r/min.
Elevating	working speed	2.5r/min.
	Type	Single cylinder with imported balance valve for front support elevation, hoist down by gravity, low energy consumption
Outrigger	Type	H-type outriggers at front and rear
	Extension width	Lateral extension 6.2m, longitudinal extension 6.325m, mid-position extension (4.4m) permissible.
Hydraulic system	Oil pump	Imported triplex gear pumps, main pump is piston variable displacement pump with load feedback function.
	Control	Hydraulic pilot proportional control, convenient, sensitive and accurate.
Safety device		Automatic moment limiter (AML) contributes dynamic display of crane motions by configuration, and with automatic overload protection. Overwind cut-out device, height limiter, outrigger hydraulic lock and balance valve.
Carrier		Self-made 2-axle carrier with all-axle drive, all wheel steering and crab walk possible.
Engine		6-cylinder, water cooling and turbo-charged & aftercooled diesel engine, exhaust emission complies with regulations EURO II, max. output 184kW, plateau type engine is for option.
Transmission		Mechanical control, change gear with synchronizer, eight gears plus one off-load gear.
Suspension		Hydro-pneumatic suspension with auto-leveling, manually raise/lower and rigidly lock the carrier, Max. stroke 160mm.

QAY215

—On Full-extend Outriggers (Extension 6200mm), 360° Swing

幅度 Working radius (m)	臂长 boom length 8900mm		臂长boom length 15200mm		臂长boom length 21600mm		臂长boom length 28000mm	
	起重量 Lifting load (t)	起升高度 Lifting height (m)	起重量 Lifting load (t)	起升高度 Lifting height (m)	起重量 Lifting load (t)	起升高度 Lifting height (m)	起重量 Lifting load (t)	起升高度 Lifting height (m)
3.0	25	8.86						
3.5	25	8.51						
4.0	24	8.11	15	15.42				
4.5	21.5	7.6	14.2	15.21				
5.0	18.7	7.09	13.5	14.97	9	21.89		
5.5	17	6.43	12.8	14.7	8.5	21.71		
6.0	14.3	5.62	12.2	14.41	7.7	21.52	6.0	28.29
6.5	12.3	4.52	11.5	14.1	7.3	21.32	5.6	28.14
7.0			10.2	13.76	7	21.1	5.3	27.98
8.0			8.7	12.98	6.4	20.63	4.8	27.62
9.0			7.15	12.05	5.9	20.08	4.4	27.22
10.0			6.0	10.93	5.1	19.46	4.1	26.78
11.0			5.1	9.53	4.7	18.77	3.8	26.29
12.0			4.4	7.69	4.4	17.98	3.5	25.75
13.0					3.9	17.1	3.2	25.15
14.0					3.45	16.08	3.0	24.49
15.0					3.0	14.92	2.8	23.78
16.0					2.7	13.58	2.6	22.99
17.0					2.4	11.96	2.5	22.12
18.0					2.1	9.94	2.2	21.16
19.0							2.0	20.1
20.0							1.8	18.93
22.0							1.4	16.09
24.0							1.1	12.19
倍率 Parts of line	10		6		4		3	
吊钩重量 Weight of hook block	250kg							

QAY25 全地面起重机

ALL TERRAIN CRANE

QAY25全地面起重机主臂起重性能表

——半伸支腿 (跨距4400mm), 360° 作业

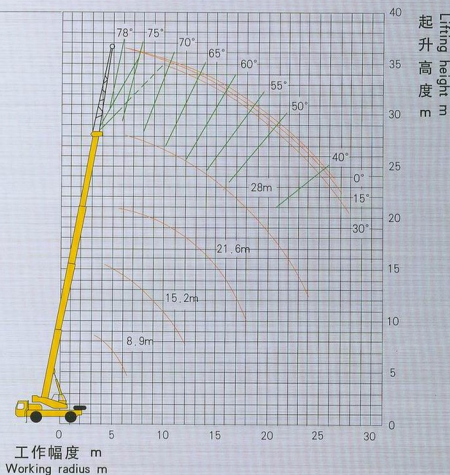
QAY25 All Terrain Crane Total Rated Lifting Load For Boom

——On Mid-extend Outriggers (Extension 6200mm), 360° Swing

幅度 Working radius (m)	臂长 boom length 8900mm		臂长 boom length 15200mm		臂长 boom length 21600mm		臂长 boom length 28000mm	
	起重量 Lifting load (t)	起升高度 Lifting height (m)	起重量 Lifting load (t)	起升高度 Lifting height (m)	起重量 Lifting load (t)	起升高度 Lifting height (m)	起重量 Lifting load (t)	起升高度 Lifting height (m)
3.0	25	8.86						
3.5	25	8.51						
4.0	21.6	8.11	15	15.42				
4.5	16.2	7.6	14.2	15.21				
5.0	13.0	7.09	13.5	14.97	9	21.89		
5.5	11.0	6.43	11.5	14.7	8.5	21.71		
6.0	9.3	5.62	9.8	14.41	7.7	21.52	6.0	28.29
6.5	8.0	4.52	8.5	14.1	7.3	21.32	5.6	28.14
7.0			7.3	13.76	7	21.1	5.3	27.98
8.0			5.8	12.98	5.9	20.63	4.8	27.62
9.0			4.75	12.05	4.9	20.08	4.4	27.22
10.0			3.9	10.93	4.0	19.46	4.1	26.78
11.0			3.3	9.53	3.4	18.77	3.5	26.29
12.0			2.8	7.69	2.9	17.98	3.0	25.75
13.0					2.5	17.1	2.6	25.15
14.0					2.1	16.08	2.2	24.49
15.0					1.85	14.92	1.9	23.78
16.0					1.6	13.58	1.7	22.99
17.0					1.4	11.96	1.5	22.12
18.0					1.2	9.94	1.3	21.16
19.0							1.1	20.1
20.0							0.9	18.93
倍率 Parts of line	10		6		4		3	
吊钩重量 Weight of hook block	250kg							

起升高度曲线

Lifting height curves



起重机主要起重参数

QAY25

QAY25全地面起重机副臂起重性能表

—— 全伸支腿 (跨距6200mm), 360° 作业

QAY25 All Terrain Crane Total Rated Lifting Load For Jib

—— On Full-extend Outriggers (Extension 6200mm), 360° Swing

主臂仰角 Boom angle (Deg.)	0°		15°		30°	
	幅度(m) Radius	起重量(kg) Lifting load	幅度(m) Radius	起重量(kg) Lifting load	幅度(m) Radius	起重量(kg) Lifting load
78°	7.05	2800	8.84	2500	10.42	1900
75°	8.87	2800	10.63	2400	12.15	1750
72°	10.67	2750	12.4	2200	13.85	1700
70°	11.85	2650	13.54	2100	14.96	1600
65°	14.73	2150	16.34	1800	17.65	1500
60°	17.48	1800	19.0	1600	20.18	1400
55°	20.08	1450	21.5	1350	22.55	1230
50°	22.52	1100	23.83	1050	24.74	1000
40°	26.63	500	27.88	460	28.5	400
倍率 Parts of line	10		6		4	
吊钩重量 Weight of hook block	250kg					

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QAY25全地面起重机主臂起重性能表

—— 轮胎支承

QAY25 All Terrain Crane Total Rated Lifting Load For Boom

—— On Tires

幅度 (m) Radius	正后方 Boom at the rear		360° Swing	
	臂长 Boom length 8900mm	臂长 Boom length 15200mm	臂长 Boom length 8900mm	臂长 Boom length 15200mm
3.0	6000	5950	5460	4970
3.5	5180	5320	4550	4130
4.0	4620	4760	3820	3500
4.5	4340	4200	3220	2940
5.0	3850	3780	2730	2450
5.5	3320	3430	2340	2100
6.0	2870	3080	2000	1820
6.5	2520	2800	1680	1540
7.0		2520		1330
8.0		1960		980
9.0		1470		700
10.0		1050		500
吊臂仰角 Boom angle	23° ~ 60°	41° ~ 73°	23° ~ 60°	41° ~ 73°
倍率 Parts of line	10	6	10	6
吊钩重量 Weight of hook block	250kg			

