

QAY SERIES FULL HYDRAULIC TRUCK CRANE

- New compact boom head and built-in sliders enlarge supporting area and overlapping length.
- New type oval boom profile, only one cylinder for boom sections automatic telescoping, different boom length can be realized by multiply combination.
- PLC computer integrated control system, free-maintenance, high intelligence and safety.
- Powerful and durable construction machinery engines.
- Variable displacement pump system, cost energy and reliable.
- Ergonomically design-centralized lubrication operator's cab tilted backwards.....
- All terrain crane carrier, high efficiency, quick and easy for job site transfer and positioning.
- Various combinations of counterweights, easy assembly.

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Materials and specifications are subject to change without notice.



ALL-TERRAIN CRANE SERIES SYSTEMIC OPTIMIZATION & UPGRADE



ALL TERRAIN CRANES

FULL HYDRAULIC TRUCK CRANE

Category	Item			Unit	QAY300	QAY240	QAY200	QAY160	QAY130
Outline Dimensions	Overall length			mm	18210	15918	16130	15900	15028
	Overall width			mm	3000	3080	3000	3000	3000
	Overall height			mm	4000	4000	4000	4000	3950
Weight	Dead weight in travel state			kg	79679	72000	71000	70000	57000
	Axle load			kg	10000	12000	11750	11500	11000
				kg	11000	12000	11850	11700	11000
				kg	12000	12000	11900	11800	11000
Power	Superstructure engine		kw/(r/min)	194/2100	194/2100	182/2100	182/2100	182/2100	
			N.m/(r/min)	1050/1400	1050/1400	854/1400	854/1400	854/1400	
		1st,2nd axle	r/min	2100	2100	2100	2100	2100	
	Carrier engine	3rd,4th axle	kw/(r/min)	420/1800	420/1800	390/1800	390/1800	324/1800	
		5th,6th axle	N.m/(r/min)	2700/1080	2700/1080	2400/1200	2400/1200	2100/1200	
			r/min	2000	2000	2000	2000	1800	
Travel Performance				km/h	75	71	71	71	76
				m	24	24	24	24	24/18
				mm	330	280	278	278	300
				°	19	25	25	25	24
	Engine rated			°	19	17.8	20/18	20/18	17
	output			m	≤10	≤10	≤10	≤10	≤10
				%	40	48	48	48	45
				l	96	90	80	80	70
Category	Item			Unit	QAY300	QAY240	QAY200	QAY160	QAY130
Lifting performance	Max.total rated lifting capacity			t	300	240	200	160	130
	Min.rated working radius			m	3	3	3	3	3
	Turning radius at swing table tail			mm	5840	4800	5070	4850	3958
	Max.load	Base boom		kN.m	9526	7797	6774	5282	4120
		Full-extend boom		kN.m	4675	2940	2752	2140	1420
	Outrigger span	Longitudinal distance/Lateral distance		m	9.2/8.7(8.5)	9.625/8.7(8.5)	9.625/8.7(8.5)	9.625/8.7(8.5)	8.0/7.5
	Lifting height	Base boom		m	16.5	12.6	14.5	14.3	12.2
		Full-extend boom		m	60.8	65.6	61.5	56.3	50
		Full-extend boom+Jib		m	72.9 (15m)	85.7	82.1	79	70
	Boom length	Base boom		m	15.4	13.2	13.8	13.6	12.8
		Full-extend boom		m	61	67	61	60	50
		Full-extend boom+Jib		m	76 (15m)	87	81	80	70
	Jib offset			°	0/15/30	0/15/30	0/15/30	0/15/30	0/15/30
Working speed	Boom elevating			s	90	65	90	90	60
	Boom telescoping			s	480/480	650	550/550	550/550	380/340
				r/min	1.7	1.6	1.9	2	2
	Outrigger extending and retracting time	Outrigger beam		s	50	50	50	50	30
		Boom raising		s	40	40	40	40	25
		Outrigger jack		s	50	50	50	50	40
	Hoisting speed(single rope,4th layer)	Main winch		s	45	45	45	45	35
		Aux winch		m/min	150	115	120	120	100
				m/min	150	118	110	110	100