

## XCMG QAY 160 All Terrain Crane



Classificatory	Item	Unit	Parameter	
Dimension	Overall length	mm	15900	
	Overall width	mm	3000	
	Overall height	mm	4000	
	Wheel base	Axle 1, Axle 2	mm	2750
		Axle 2, Axle 3, Axle 4, Axle 5, Axle 6	mm	1650
		Axle 3, axle 4	mm	2000
Track	mm	2590		
Mass	Total mass in travel state	kg	70900	
	Axle load	Axle 1, Axle 2	kg	11635
		Axle 3, Axle 4	kg	11815
		Axle 5, Axle 6	kg	12000

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Power	Crane superstructure engine	Rated power	kW/(r/min)	162/2100
		Rated torque	N.m/(r/min)	854/1400
		Rated speed	r/min	2100
	Crane carrier engine	Rated power	kW/(r/min)	380/1800
		Rated torque	N.m/(r/min)	2400/1200
		Rated speed	r/min	2000
Travel performance	Travel speed	Max. travel speed	km/h	71
		Min. stable travel speed	km/h	2.1
	Min. turning diameter		m	24
	Min. ground clearance		mm	278
	Approach angle		°	25
	Departure angle		°	20
	Braking distance (at 30km/h with full load)		m	≤ 10
	Max. grade-ability		%	48
	Fuel consumption for 100km		l	80

## Technical Data for Lifting Operation

Classifier	Item	Unit	Parameter	
Main performance	Max. total rated lifting capacity	t	160	
	Min. rated working radius	m	3	
	Turning radius at turntable tail		mm	4850
	Max. load moment	Base boom	kN.m	5282
		Fully extended boom	kN.m	2140
	Outrigger span	Longitudinal	m	9.625

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		Lateral	m	8.7(6.5)	
	Lifting height	Base boom	m	14.3	
		Fully extended boom	m	56.3	
		Fully extended boom + Jib	m	79	
	Boom length	Base boom	m	13.6	
		Fully extended boom	m	60	
		Fully extended boom + Jib	m	80	
Jib offset		°	0、15、30		
Working speed	Boom elevating time	Boom raising	s	90	
	Boom telescoping time	Boom full extension	s	600	
		Boom full retraction	s	600	
	Max. swing speed		r/min	2	
	Hoist speed (single rope at 4th layer)	Main winch	No load	m/min	120
		Aux. winch	No load	m/min	110
	Crane exterior noise		db(A)	≤118	
At seated position		db(A)	≤90		

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