

Main Technical Specifications

Main Technical Data Table in Travel Configuration

(Subject to technical improvement)

Category	Item		Unit	Parameter	
Outline Dimensions	Overall length		mm	11960	
	Overall width		mm	2500	
	Overall height		mm	3330	
	Wheel base	Axles 1 and 2	mm	4425	
		Axles 2 and 3	mm	1350	
Track		mm	Hande 2027/1834 Meritor 2055/1834		
Weight	Dead weight in travel configuration		kg	23300	
	Axle load	Axle 1	kg	6500	
		Axles 2 and 3	kg	16800	
	Chassis engine	Model			SC7H260Q4/SC7H245Q4/ WP6.245.E40/SC7H245Q5
		Rated power		kw/(r/min)	192/2300 180/2300 180/2300 180/2300
			Max. torque		N.m/(r/min)
Travel	Travel speed	Max. travel speed	km/h	85	
		Min. stable travel speed	km/h	2~3	
	Min. turning diameter		m	20	
	Min. ground clearance		mm	261	
	Approach angle		°	19/12	
	Departure angle		°	14	
	Braking distance (at 30 km/h)		m	≤10	
	Max. grade ability		%	38/48 (China National IV) 48 (China National V)	
	Oil consumption per 100 km (theoretical)		L	28	

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Main Technical Data Table for Lifting Operation

(Subject to technical improvement)

Category	Item		Unit	Parameter
Main performance	Max. total rated lifting capacity		t	16
	Min. rated working radius		m	3
	Turning radius at turntable tail (counterweight)		mm	3180
	Max. load moment	Base boom	t.m	730
		Fully-extended boom	t.m	475
	Outrigger span	Longitudinal	m	5.1
		Lateral	m	5.8
	Hoist height	Base boom	m	10.5
		Fully-extended boom	m	32.5
		Fully-extended boom + Jib	m	40.6
Boom length	Base boom	m	10	
	Fully-extended boom	m	32	
	Fully-extended boom + Jib	m	40.15	
Jib offset angle			°	0, 15, 30
Working speed	Boom elevating time	Boom raising time	s	≤35
	Boom telescoping time	Boom fully extending time	s	≤50
	Max. slewing speed		r/min	≥3
	Main winch system	No load	m/min	≥130
	Luffing jib winch	No load	m/min	≥130
Noise	Exterior noise level		dB (A)	≤120
	Noise level at seated position		dB (A)	≤90

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Rated load charts

(1) Rated load table for boom (Lifting load in kg, boom length and radius in m)

Working radius m	On fully-extended outriggers, 360°operation with 5th jack, side rear operation with 5th jack																	
	10			14.4			18.8			23.2			27.6			32		
	Lifting capacity (kg)	Boom angle (°)	Lifting height (m)	Lifting capacity (kg)	Boom angle (°)	Lifting height (m)	Lifting capacity (kg)	Boom angle (°)	Lifting height (m)	Lifting capacity (kg)	Boom angle (°)	Lifting height (m)	Lifting capacity (kg)	Boom angle (°)	Lifting height (m)	Lifting capacity (kg)	Boom angle (°)	Lifting height (m)
3	16	67	10.5	13.9	75	15												
3.5	16	64	9.9	13.9	73	14.8	12.5	77	19.4									
4	16	60	9.6	13.9	71	14.6	12.5	76	19.3									
4.5	15.5	57	9.3	13.7	68	14.4	12.5	74	19.1	9.5	78	23.7						
5	14.6	53	8.9	13.0	66	14.1	12.5	73	18.9	9.5	76	23.6	7.5	79	28.1			
5.5	13.2	49	8.4	12.2	64	13.9	12.1	71	18.7	9.0	75	23.4	7.5	78	28			
6	11.3	45	7.9	11.5	62	13.6	11.2	69	18.5	8.6	74	23.2	7.3	77	27.9	5.2	79	32.5
6.5	9.8	41	7.3	10.2	59	13.3	10.6	68	18.3	8.1	73	23.1	6.8	76	27.7	5.2	78	32.3
7	9	36	6.6	9	57	12.9	9.4	66	18	7.7	71	22.9	6.3	75	27.5	5.0	77	32.1
8	7.2	22	4.4	7.1	52	12.1	7.5	62	17.5	6.8	69	22.4	5.8	73	27.2	4.7	76	31.9
9				5.9	46	11.1	6.2	59	16.9	6.2	66	22	5.4	70	26.8	4.5	74	31.5
10				4.9	40	9.9	5.2	55	16.2	5.3	63	21.4	4.7	68	26.4	4.3	72	31.2
12				3.6	24	6.3	3.7	47	14.4	3.9	57	20.2	4.0	63	25.4	4.0	68	30.3
14							2.9	37	11.9	3.0	51	18.5	3.1	59	24.1	3.1	64	29.3
16							2.0	24	8.2	2.3	44	16.5	2.4	53	22.6	2.5	60	28.1
18										1.8	36	13.9	1.9	48	20.8	2	55	26.7
20										1.3	25	10.1	1.5	42	18.6	1.6	51	25
22													1.2	34	15.8	1.3	46	23
24													0.9	25	11.8	1.0	40	20.6
26																0.8	34	17.6

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Telescoping rate of each boom section %	0	20	40	60	80	100
Parts of line	6	6	5	4	3	2
Weight of hook block	200kg					

(2) Rated load table for jib(Lifting load in kg, boom length and radius in m)

Boom 32m+ jib 8.15m									
Boom angle (°)	On fully-extended outriggers, 360°operation with 5th jack, side rear operation with 5th jack								
	Jib offset angle 0°			Jib offset angle 15°			Jib offset angle 30°		
	Lifting capacity (t)	Radius (mm)	Lifting height (mm)	Lifting capacity (t)	Radius (mm)	Lifting height (mm)	Lifting capacity (t)	Radius (mm)	Lifting height (mm)
80	2	7100	40600	1.9	8900	40000	1.5	10500	39000
78	2	8500	40200	1.85	10200	39600	1.45	11800	38600
76	2	9800	39900	1.8	11600	39200	1.4	13100	38100
74	2	11200	39400	1.75	12900	38700	1.35	14400	37600
72	2	12500	39000	1.6	14200	38200	1.3	15600	37000
70	2	13800	38500	1.5	15500	37600	1.25	16900	36400
68	1.9	15100	37900	1.45	16700	37000	1.2	18100	35700
66	1.8	16400	37300	1.4	18000	36400	1.15	19300	35000
64	1.7	17600	36700	1.35	19200	35700	1.1	20500	34300
62	1.55	18800	36000	1.3	20400	35000	1.05	21600	33500
60	1.3	20000	35300	1.15	21500	34200	1	22700	32700
58	1.1	21200	34500	1	22700	33400	0.9	23800	31800
56	0.9	22300	33700	0.8	23800	32500	0.7	24800	30900
54	700	23400	32900	650	24900	31600	500	25900	30000
52	550	24600	32000	450	25900	30700	400	26800	29000
50	450	25600	31000	350	26900	29700	300	27800	28000

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