

SAC2200

SAC2200 ALL-TERRAIN CRANE 220 TONS LIFTING CAPACITY

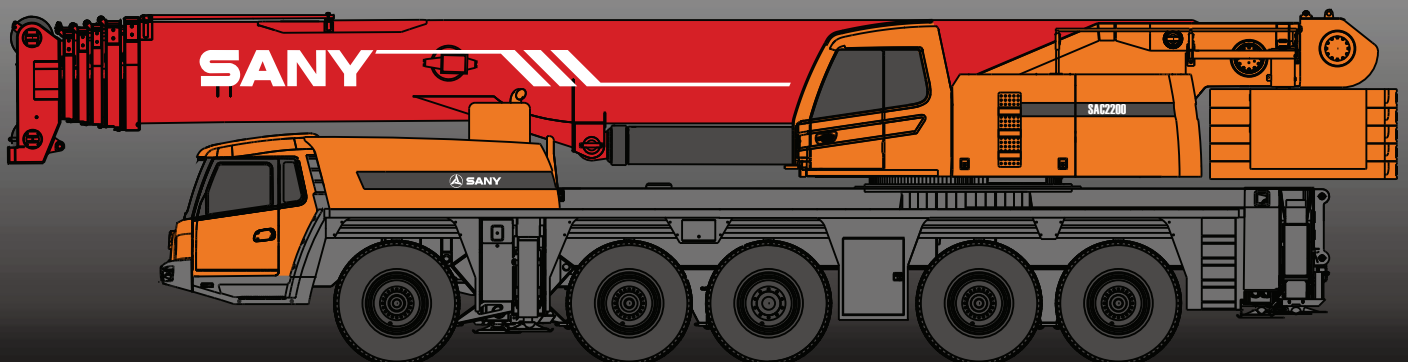
Quality Changes the World

MAX. CAPACITY (Outriggers) - 220 Tonnes at 3m Radius (75% Rating) 360° Slew

BOOM - 6 SECTION U shaped 13.5m - 62m
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MAX. ROAD SPEED - 81 km/hr

CARRIER - 10x8 Drive



SANY

Chassis



Brakes system

- Brakes system includes traveling brake, parking brake, hydrodynamic retarder brake and auxiliary brake.
- Parking brake: Force driven by accumulator is applied on the second to fifth axle.
- Traveling brake: All wheels use the air servo brakes and dual-circuit brake system and are equipped with drum brakes.
- Auxiliary brake: Engine is equipped with engine brake and exhaust brake to reduce crane speed in advance, reducing wear on the braking parts and saving cost significantly.



Suspension system

- Axle suspension devices adopt the height-adjustable oil-gas suspension devices equipped with the hydraulic lock, with suspension height changed within $\pm 150\text{mm}$ to achieve suspension, rigid locking, automatic leveling, overall lifting and lowering, single-point lifting and lowering modes. With good trafficability and adaptability of a variety of operating conditions and road conditions, traveling smoothness, comfort ability and good side stability can be achieved. The increasing of the crane drive force can be achieved through lifting the third axle to adapt to the snowfield and other complex road conditions etc.



Steering system

- Servo power steering gear and dual-circuit system hydraulic steering device are used with emergency steering pump equipped. Axles 3, 4 and 5 adopt the electro-hydraulic steering control with steering adjusted through regulating the speed. Axle 3 steering will stop from 30km/h and from 60km/h for axles 4 and 5.
- Six types steering modes: 1) Road running mode (default mode). 2) Full-wheel steering mode. 3) Crab-type mode. 4) Steering mode without deflection. 5) Independent rear-axle steering mode. 6) Steering mode with rear axle locked.



Drive/Steer

- 10×8.



Outriggers

- Four-point supporting with Max. vertical and horizontal span up to 9.0m×8.5m, and full-hydraulic horizontal and vertical outrigger cylinder telescopic movement are applied with the automatic level adjustment function.



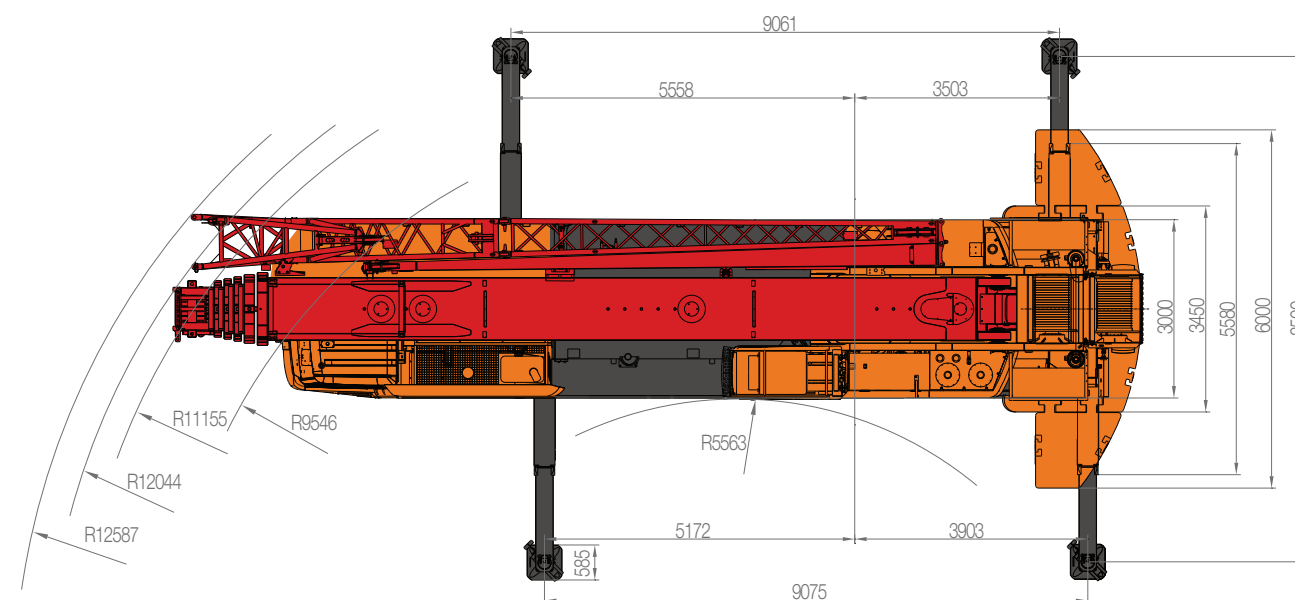
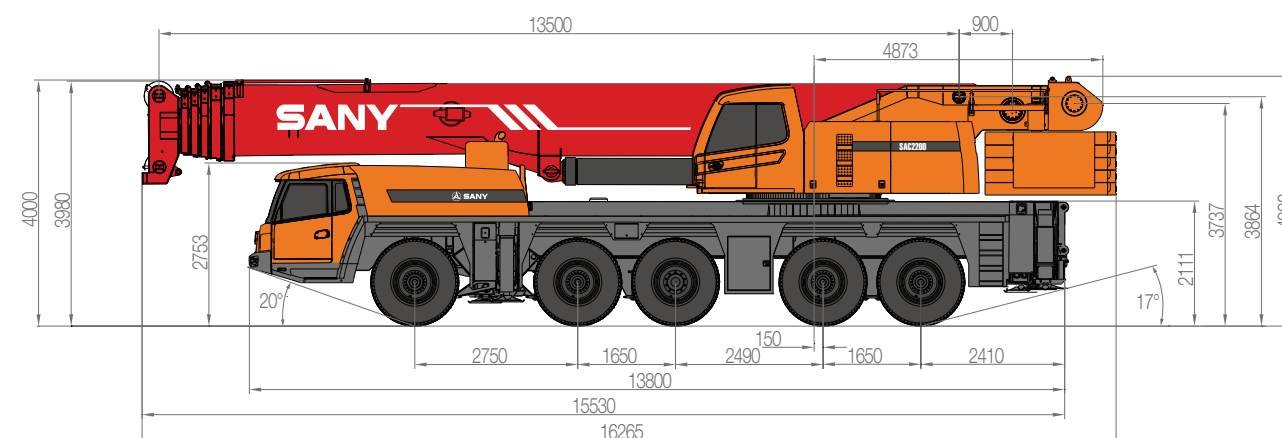
Tyres

- 10*16.00R25

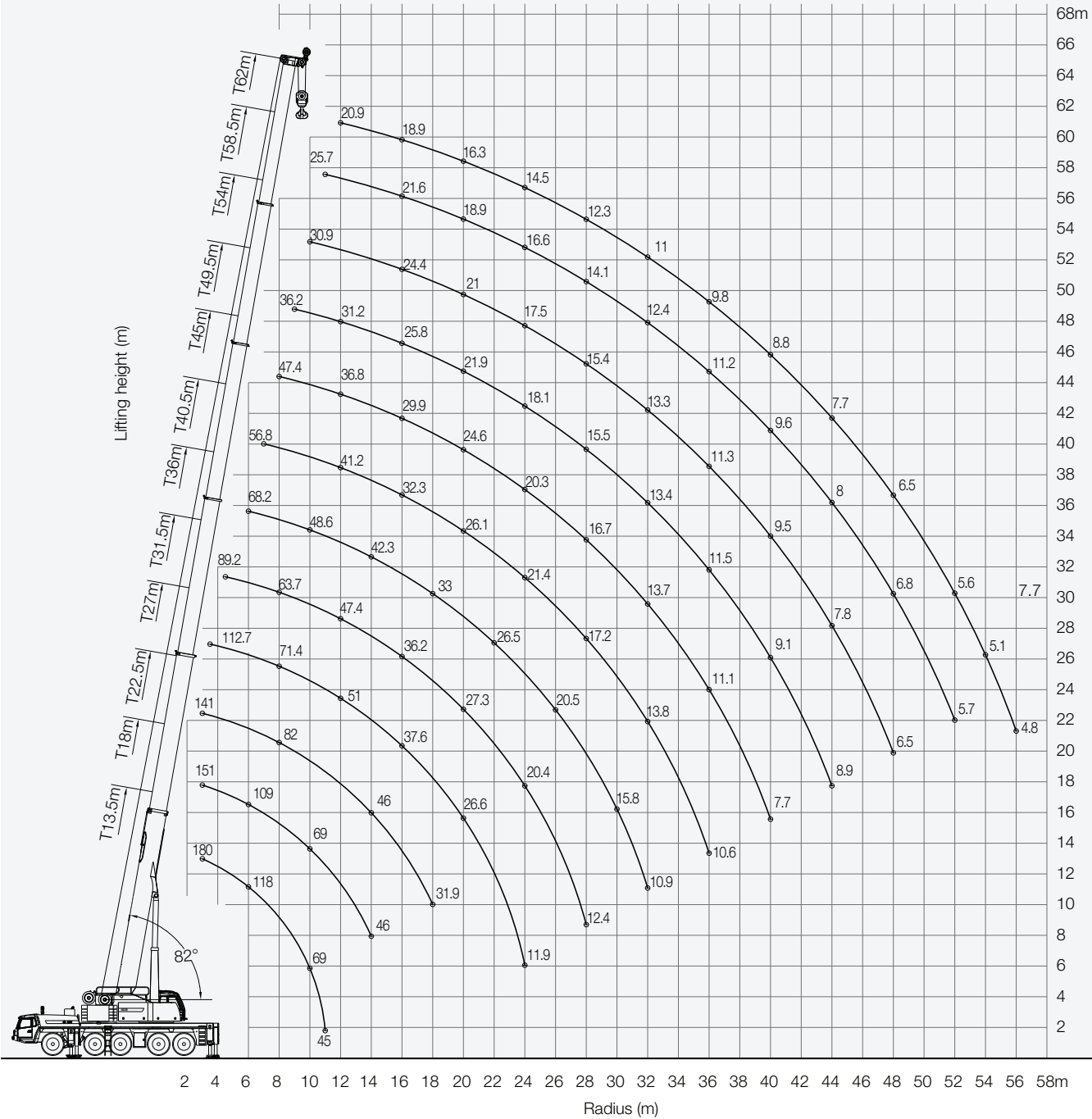


Electrical system

- Modern data bus system equipped with 24V DC power supply and two sets of batteries with 180AH for each set is used to cut off the power supply of undercarriage Chassis adopts CAN-bus system.
- Chassis adopts CAN-bus system. Multifunctional centralized display system is used. Power consumption is small with maximum value of only 5w. Four functional keys are provided on the user interface. LCD display is used with contrast adjustable.



Type	Item		Parameter
Capacity	Max. lifting capacity		220t
Dimensions	Overall length		15530mm
	Overall width		3000mm
	Overall height		4000mm
	Axle distance	Axle-1,2	2750mm
		Axle-2,3	1650mm
		Axle-3,4	2490mm
		Axle-4,5	1650mm
Weight	Overall weight		60000 kg
	Axle load	Axle load-1,2	12000 kg
		Axle load-3,4,5	12000 kg
	Rated power		390 kW/1800rpm
	Rated torque		2400 N.m/ 1100 rpm
Traveling	Max.traveling speed		81 km/h
	Turning radius	Min.turning radius	10 m
		Min.turning radius of boom head	11 m
	Wheel formula		10 × 8
	Min.ground clearance		325 mm
	Approach angle		20 °
	Departure angle		17 °
	Max.gradeability		58%
	Fuel consumption per 100km		≤ 72 L
Main Performance Data	Temperature range		- 20 °C ~ + 40 °C
	Min.rated range		3 m
	Tail slewing radius of swingtable		4.85 m
	Boom section		6
	Boom shape		U-shaped
	Max.lifting moment	Base boom	7271 kN·m
		Full-extend boom	3540 kN·m
		Full-extend boom+jib	952 kN·m
	Boom length	Base boom	13.5 m
		Full-extend boom	62 m
		Full-extend boom+jib	103.5 m
	Outrigger span (Longitudinal×Transversal)		9.0 × 8.5 m
	Jib offset		0° ~ 40°
Working speed	Max.single rope lifting speed of main winch (no load)		130 m/min
	Max.single rope lifting speed of auxiliary winch (no load)		130 m/min
	Full extension/retraction time of boom		550 / 550 s
	Full lifting/descending time of boom		60 / 90 s
	Slewing speed		1.8 r/min
Aircondition	Aircondition in up cab		Cooling/Heating
	Aircondition in low cab		Cooling/Heating



Metric 75% Lifting Capacities (Kilograms) on Outriggers Fully Extended.

- Prerequisites:
- ① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 0T

Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	170	146	136										3
3.5	150	137.7	120.5	108									3.5
4	140	118.1	100.3	86									4
4.5	121	93	81.5	71	63.7								4.5
5	89.9	76.3	67.9	61	55.4								5
6	63.7	55.4	50.2	43.9	40.8	41.2							6
7	47.5	40.8	37.6	32.8	31.9	35	32.4						7
8	36.1	31.4	29.6	26.1	25.2	29.1	27	25					8
9	28.6	25	23.7	21.1	20.5	24.5	22.8	21.2	19.5				9
10	22.4	20.3	19.4	17.1	16.8	20.9	19.5	18.2	16.8	15.4			10
11	17.9	16.6	16.1	14.2	14	18.1	16.9	15.7	14.5	13.2	11.7		11
12		13.8	13.4	11.8	11.7	15.8	14.7	13.7	12.6	11.4	10	9.8	12
14		9.3	9.5	7.9	8.2	12.2	11.4	10.6	9.6	8.7	7.4	7.3	14
16			6.8	5.3	5.6	9.6	9	8.3	7.4	6.6	5.4	5.3	16
18			4.5	3.4	3.8	7.6	7.1	6.5	5.7	4.9	3.9	3.9	18
20						6.2	5.5	5	4.4	3.6		2.6	20
22						4.9	4.4	3.9	3.2	2.5			22
24						3.9	3.4	2.9					24
26						3	2.6						26
28						2.2							28
30													30
32													32
Ratio	16	16	16	13	9	5	4	3	2	2	2	1	Ratio

- Prerequisites:
- ① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 12T

Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	175	151	141										3
3.5	155	137.7	132.3	112.7									3.5
4	145	129.5	123.5	104.9									4
4.5	130	119.3	107.6	93	84.6								4.5
5	112	104.5	89.9	79.4	73.2								5
6	86.7	76.3	67.9	60.6	56.4	56.1							6
7	66.9	59.6	53.3	47.5	45.5	47	43.9						7
8	53.3	48.1	42.8	38.7	37.1	39.2	37.6	35.7					8
9	41.8	39.7	35.5	31.9	30.6	32.9	31.9	31.1	29.4				9
10	34	32.9	29.4	26.3	25.6	28.4	27.6	27.1	26.2	24.5			10
11	27.6	27.8	24.8	22	21.7	24.7	24.1	23.7	23.1	21.5	19.8		11
12		23.2	21.1	18.7	18.5	21.5	21.2	20.9	20.5	19	17.5	16.6	12
14		16.7	15.7	13.7	13.7	16.8	16.7	16.6	16.4	15.3	13.8	13.6	14
16			11.6	10	10.2	13.4	13.4	13.5	13.4	12.3	11.1	11	16
18			8.5	7.4	7.6	10.8	10.9	11	11	10	8.9	8.9	18
20				5.2	5.6	8.7	8.9	9.1	9.1	8.3	7.2	7.1	20
22				3.4	4	7	7.2	7.5	7.5	6.8	5.7	5.7	22
24				2.1	2.6	5.6	6	6.2	6.3	5.5	4.6	4.6	24
26						4.4	4.8	5.1	5.2	4.5	3.6	3.6	26
28						3.3	3.9	4.2	4.3	3.6	2.7	2.7	28
30						2.5	2.9	3.3	3.4	2.8	2	2	30
32						1.9	2.2	2.6	2.8	2.2			32
34							1.6	2	2.2				34
36									1.7				36
38													38
40													40
42													42
44													44
46													46
Ratio	18	16	14	12	9	6	5	4	3	3	2	2	Ratio

- Prerequisites:
① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
② The span of outriggers is 9.0m×8.5m
③ 360°rotation is applied
④ Counterweight is 24T

Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	175	151	141										3
3.5	155	145	133	118									3.5
4	145	130.6	125.4	116									4
4.5	135	121.4	113	113	97.9								4.5
5	117	112.2	103	97.9	84.6								5
6	97.2	94.1	83.6	77.3	66.5	64.7							6
7	79.4	74.2	65.8	61.7	55.9	56.1	52						7
8	63.7	59.6	54.3	51.2	48.5	48.1	45.5	42.3					8
9	52.3	50.2	45.5	43.4	42.3	41.3	39.2	36.6	35.5				9
10	42.8	42.3	38.7	37.1	36.6	36.1	34.5	32.4	32.6	30.4			10
11	36.1	35.5	33.4	32.4	31.9	31.9	30.4	28.3	28.4	26.9	25.7		11
12		30.2	29.3	28.3	28.1	28.1	26.9	25	24.9	23.9	23.6	20.9	12
14		22.8	21.9	21.9	21.9	22.3	21.4	19.8	21.9	19.2	19.1	18.8	14
16			16.7	17.3	17.6	18.1	17.3	16	16.1	15.8	15.8	15.6	16
18			13	13.6	14.3	14.8	14.3	13.1	13.3	13	13.2	13	18
20				10.7	11.6	12.3	11.8	10.7	11	10.8	11	10.9	20
22				8.5	9.3	10.3	9.9	8.8	9.2	9	9.2	9.2	22
24				6.8	7.5	8.5	8.3	7.2	7.6	7.5	7.7	7.7	24
26					6.1	6.9	6.8	5.9	6.3	6.2	6.5	6.5	26
28					4.9	5.6	5.5	4.8	5.4	5.1	5.4	5.4	28
30						4.7	4.5	3.9	4.4	4.2	4.5	4.5	30
32						3.9	3.6	2.9	3.6	3.3	3.8	3.8	32
34							2.8	2.2	2.7	2.6	3	3	34
36							2.2		2	2	2.4	2.4	36
38									1.6		1.8	1.9	38
40									1.2				40
42													42
44													44
46													46
48													48
50													50
52													52
Ratio	18	16	14	12	10	7	6	5	4	3	3	2	Ratio

- Prerequisites:
① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
② The span of outriggers is 9.0m×8.5m
③ 360°rotation is applied
④ Counterweight is 34T

Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	175	151	141										3
3.5	155	145	133	118									3.5
4	145	131.6	127.4	116									4
4.5	135	122.4	114	113	97.9								4.5
5	117	114.2	108.8	103.6	93.6								5
6	104	98.9	97.9	89.2	81.7	76							6
7	86.7	86.7	82.6	75.5	66.5	71	56.8						7
8	74.2	73.2	67.9	63.7	56.1	64	53.9	47.4					8
9	61.7	60.6	57.5	54.3	50	47.5	51	43.1	36.2				9
10	52.3	51.7	49.1	47	44.9	44.9	42.3	39.8	34.5	30.9			10
11	43.4	44.4	42.8	41.3	39.3	39.7	37.6	36.1	32.5	30.1	25.7		11
12		38.1	37.1	36.6	36.1	35.5	33.4	32.4	31.2	29.1	25.2	20.9	12
14		29.1	28.3	28.9	28.9	29.1	27.4	26.3	27	24.9	23.2	20.1	14
16			22.4	22.9	23.8	24.1	22.7	21.8	22.5	20.9	20.8	18.9	16
18			18.1	18.6	19.4	20.3	19	18.4	18.8	18.2	17.7	17.4	18
20				15.3	16.1	16.9	16.1	15.5	15.7	15.5	15.6	15	20
22				12.7	13.5	14.3	13.7	13.2	13.3	13.2	13.4	13	22
24				10.7	11.3	12.2	11.6	11.3	11.5	11.4	11.6	11.5	24
26					9.5	10.5	9.7	9.6	10	9.8	10	10	26
28					8	8.9	8.2	8.2	8.6	8.5	8.8	8.8	28
30						7.6	6.9	6.8	7.3	7.3	7.6	7.6	30
32						6.6	5.7	5.6	6.2	6.3	6.6	6.6	32
34							4.8	4.7	5.3	5.4	5.7	5.7	34
36							4.1	3.9	4.5	4.5	5	5	36
38								3.1	3.7	3.8	4.3	4.3	38
40								2.5	3.1	3.1	3.6	3.7	40
42									2.4	2.5	2.9	3	42
44									2	2	2.4	2.5	44
46										1.5	2	2	46
48										1	1.5	1.6	48
50											1.1	1.1	50
52													52
54													54
56													56
58													58
Ratio	18	16	14	12	10	8	6	5	4	3	3	2	Ratio

- Prerequisites:
- ① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 44T

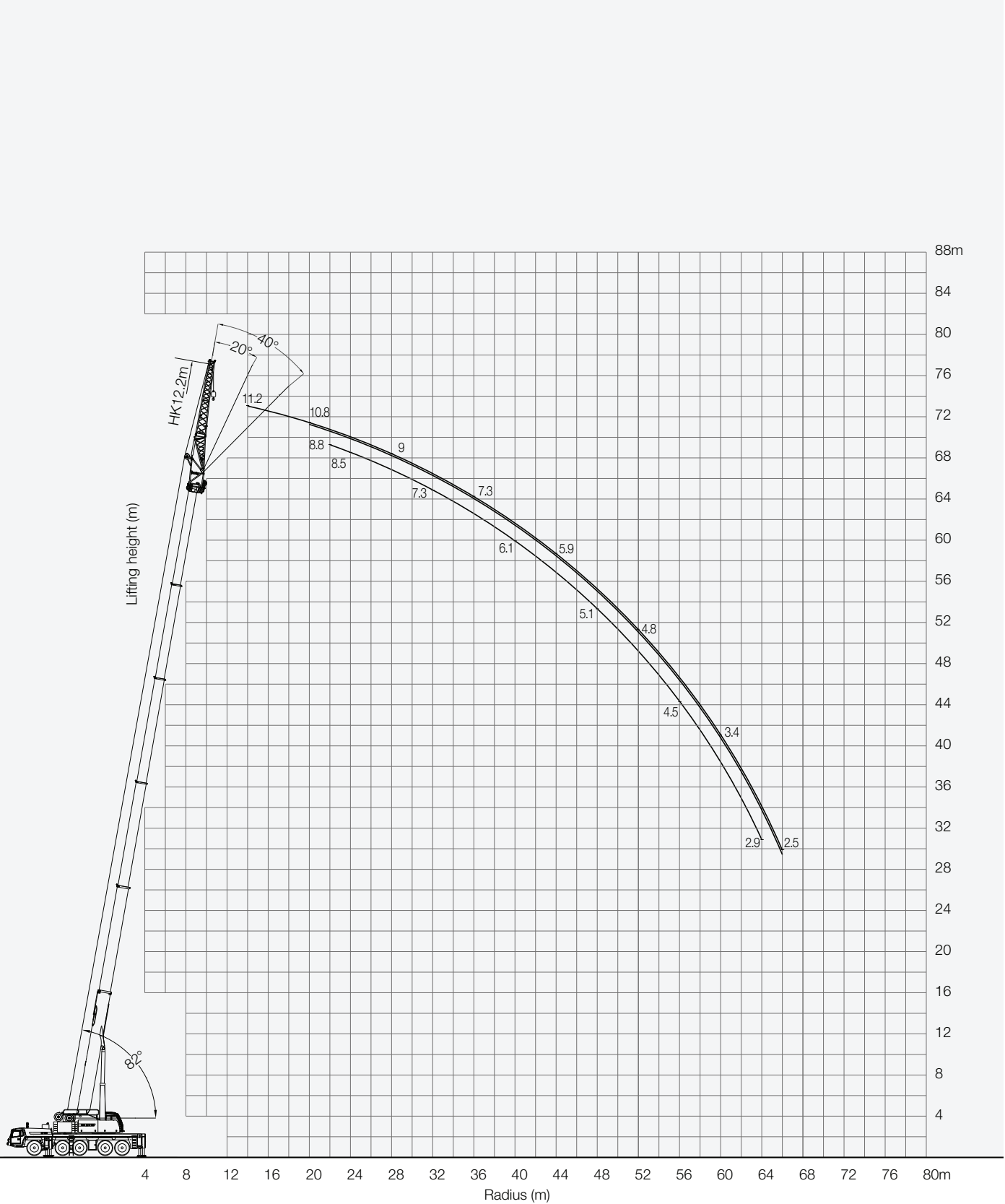
Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	175	151	141										3
3.5	155	145	133	118									3.5
4	145	131.6	127.4	116									4
4.5	135	122.4	114	113	97.9								4.5
5	124	114.2	108.8	110	96.7								5
6	110	100	100	96	90.3	76							6
7	95	89.9	87.7	84.3	77	71	56.8						7
8	78.4	78.4	77.3	73.4	65.6	67	53.9	47.4					8
9	67.9	67.9	66.9	63.7	56.1	55.9	51	43.6	36.2				9
10	58.5	57.5	57.5	55.4	49.4	49	46.6	41.2	34.5	30.9			10
11	46.4	50.2	49.1	48.6	44.6	45.9	41.7	39.2	32.5	30.1	25.7		11
12		43.9	43.4	43.4	39.7	40.8	38.8	35.8	31.2	29.1	25.2	20.9	12
14		34.5	33.4	34	33.7	34.5	32.4	30.6	28.1	26.3	23.2	20.1	14
16			26.8	27.4	28.2	28.8	27.3	26.3	25.4	24.4	21.6	18.9	16
18			21.8	22.4	23.2	24.1	23.1	22.4	22.9	21.4	20.2	17.9	18
20				18.6	19.4	20.3	19.8	19.2	19.6	18.6	18.6	16.3	20
22				15.8	16.5	17.3	16.8	16.6	17.4	16.5	16.2	15.3	22
24				13.1	14.1	14.9	14.4	14.3	15.1	14.4	14.3	14.2	24
26					12.2	13	12.4	12.4	13.1	12.7	13	12.5	26
28					10.7	11.4	10.8	10.7	11.2	11.2	11.5	11.4	28
30						9.9	9.3	9.2	10	9.9	10.1	10.1	30
32						8.8	8	7.9	8.6	8.6	9.1	9	32
34							6.9	6.8	7.4	7.5	7.9	8	34
36							6.1	5.9	6.5	6.5	7	7.1	36
38								5	5.6	5.6	6.2	6.3	38
40								4.3	4.8	4.9	5.3	5.4	40
42									4.2	4.2	4.6	4.7	42
44									3.6	3.6	4.1	4.1	44
46										3	3.4	3.6	46
48										2.5	2.9	3	48
50											2.5	2.6	50
52											2.1	2.2	52
54												1.8	54
56												1.5	56
58													58
Ratio	18	16	14	12	10	8	6	5	4	3	3	2	Ratio

- Prerequisites:
- ① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 54T

Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	175	151	141										3
3.5	155	145	133	112.7									3.5
4	145	135	127.4	106.8									4
4.5	135	126	114	100	97.9								4.5
5	124	118	108.8	94.1	96.7								5
6	113	101	100	84.3	90.3	76							6
7	98	89.8	88.7	78.5	80.8	71	56.8						7
8	81.5	81.5	78.5	71.4	73.2	67	53.9	47.4					8
9	72.1	72.1	71.1	65.3	65.7	60	51	43.6	36.2				9
10	62.2	63.7	62.7	59.2	57.8	54	47.5	41.2	34.5	30.9			10
11	46.4	55.4	54.3	54.3	53	48.5	44.6	39.2	32.5	30.1	25.7		11
12		48.6	48.1	47.5	47.4	45.1	41.2	36.8	31.2	29.1	25.2	20.9	12
14		38.7	38.1	37.6	39.7	38.8	35.3	32.8	28.8	26.3	23.2	20.1	14
16			31.1	30.3	32.4	32.6	31.1	28.8	25.8	24.4	21.6	18.9	16
18			25.6	24.9	27	27.9	26.5	25.7	23.8	22.5	20.2	17.9	18
20				20.7	22.8	23.6	23.1	22.2	21.9	21	18.9	16.3	20
22				17.5	19.4	20.3	19.8	19.8	20	19.2	17.7	15.3	22
24				11.9	16.8	17.6	17	17	18	16.9	16.6	14.5	24
26					14.6	15.5	14.8	14.8	15.2	15.4	15.2	13.6	26
28					13	13.6	13.1	13	13.3	13.6	13.6	12.3	28
30						12.1	11.5	11.4	11.6	12	12.4	11.6	30
32						10.9	10	9.9	10.4	10.7	11.1	10.5	32
34							8.9	8.8	9.3	9.4	9.8	9.8	34
36							7.8	7.6	8.2	8.4	8.8	8.7	36
38								6.8	7.2	7.3	7.8	7.9	38
40								6	6.3	6.5	6.9	7.1	40
42									5.7	5.7	6.2	6.3	42
44									5.1	5	5.5	5.6	44
46										4.5	4.9	5	46
48										3.9	4.3	4.4	48
50											3.9	3.9	50
52											3.3	3.4	52
54												3	54
56												2.6	56
58													58
Ratio	18	16	14	12	10	8	6	5	4	3	3	2	Ratio

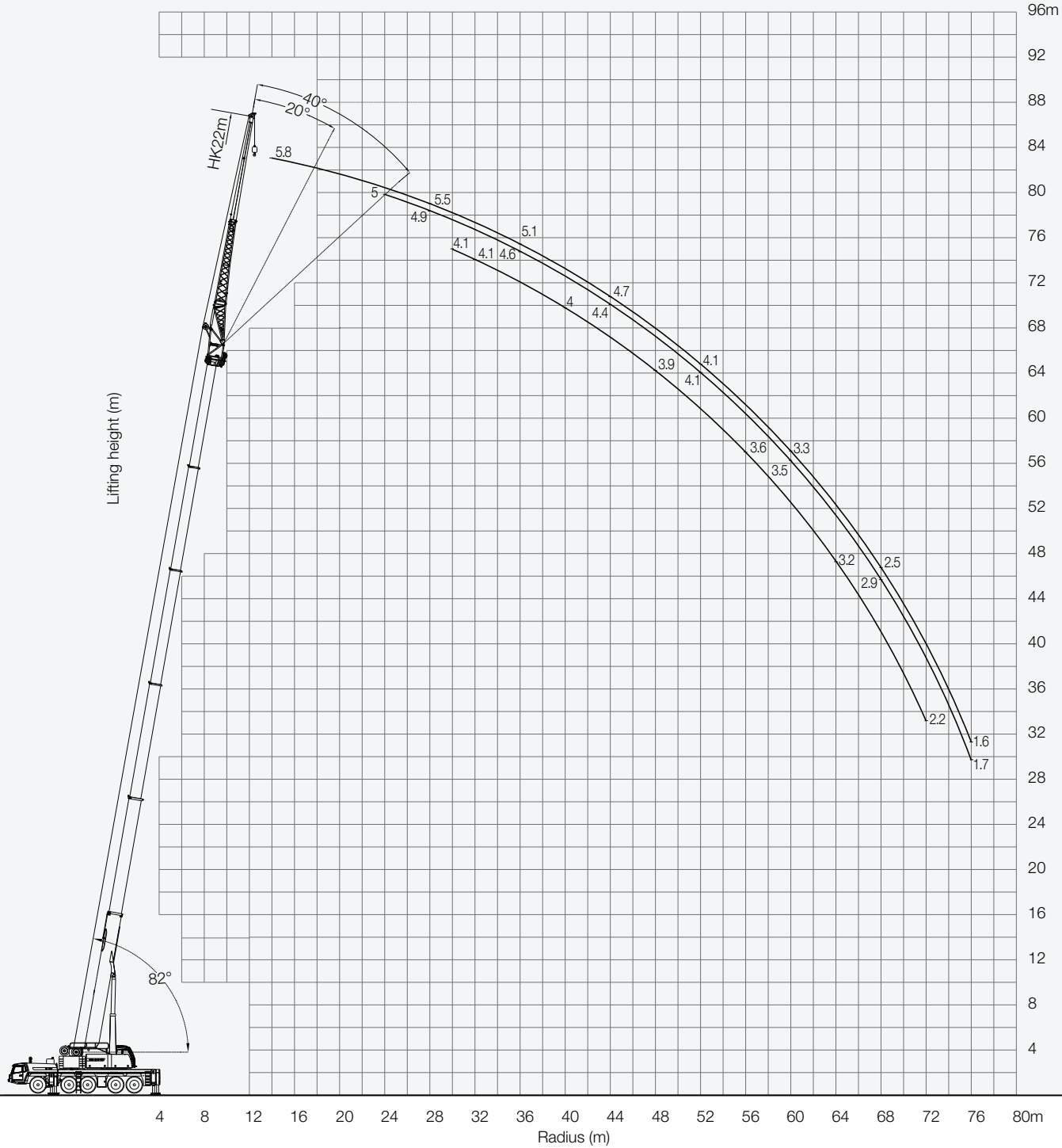
Prerequisites:
① Boom operating conditions(fully extended boom length),min length is 13.5m and max.length is 62m
② The span of outriggers is 9.0m×8.5m
③ 360°rotation is applied
④ Counterweight is 78T

Working range (m)	Main boom												Working range (m)
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	62	
3	220	151	141										3
3.5	165	145	133	112.7									3.5
4	150	135	127.4	106.8									4
4.5	140	129	114	100	97.9								4.5
5	128	121	108.8	94.1	93								5
6	118	109	100	84.3	90.3	76							6
7	106	95	88.7	78.5	83	71	56.8						7
8	88	85	82	71.4	73.2	67	53.9	47.4					8
9	78	76	74	65.3	66.5	60	51	43.6	36.2				9
10	69	69	66.3	59.2	60.8	55	47.5	41.2	34.5	30.9			10
11	45	61.7	61.7	55.1	56.1	51	44.6	39.2	32.5	30.1	25.7		11
12		56.4	55.4	51	52.9	47	41.2	36.8	31.2	29.1	25.2	20.9	12
14		46	46	44.9	44.1	42.5	36.8	32.8	28.8	26.3	23.2	20.1	14
16			38.1	37.6	38.3	36.6	32.3	29.9	25.8	24.4	21.6	18.9	16
18			31.9	31.4	32.6	32.5	29.1	27	23.8	22.5	20.2	17.9	18
20				26.6	28.5	30.5	26.1	24.6	21.9	21	18.9	16.3	20
22				23	24.9	28	23.5	22.2	20	18.8	17.7	15.3	22
24				11.9	21.8	24.5	21.4	20.3	18.1	17.5	16.6	14.5	24
26					19.2	20.1	19	18.1	16.6	16.5	15.5	13.6	26
28					13.8	17.9	17.2	16.7	15.5	15.4	14.1	12.3	28
30						16	15.4	14.9	14.4	14.4	13.2	11.6	30
32						12.9	13.8	13.7	13.4	13.3	12.4	11	32
34							12.3	12.2	12.6	12.1	11.9	10.3	34
36							10.6	11.1	11.5	11.3	11.2	9.8	36
38								9.9	10.3	10.2	10.2	9.3	38
40								8.9	9.1	9.5	9.6	8.8	40
42									8.2	8.6	8.8	8.3	42
44									7.5	7.8	8	7.7	44
46										7.1	7.5	7.1	46
48										6.5	6.8	6.5	48
50											6.3	5.9	50
52											5.7	5.6	52
54												5.1	54
56												4.8	56
58													58
Ratio	18	16	14	12	10	8	6	5	4	3	3	2	Ratio



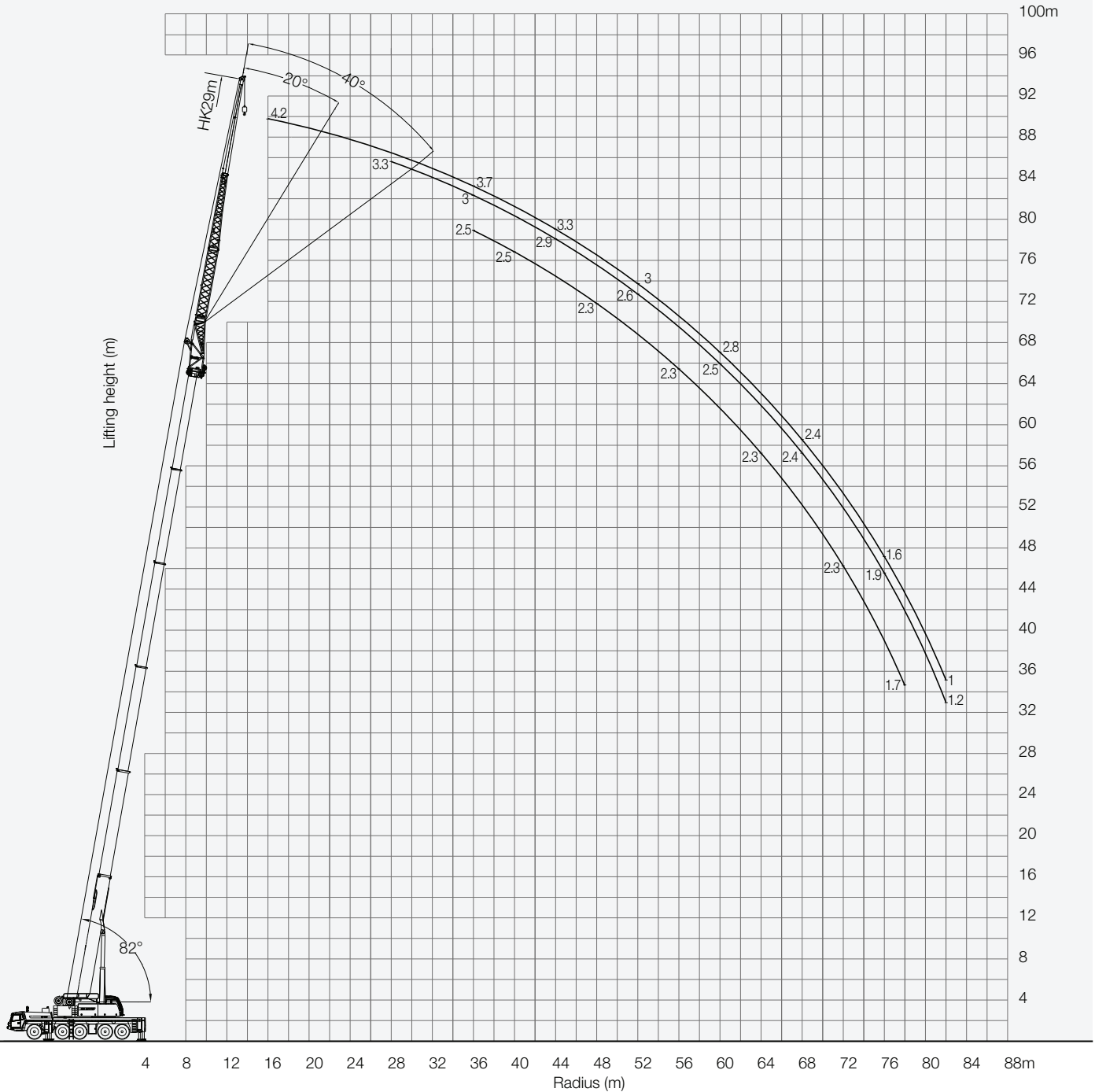
- Prerequisites:
- ① Boom operating conditions(fully extended boom length+jib length), max.length is 62m+12.2m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 78T

Working range (m)	Main boom+Jib																								Working range (m)
	31.5			36			40.5			45			49.5			54			58.5			62			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6	20																								6
7	20			20																					7
8	20			20			18.8																		8
9	20			20			18.6			17.1			17.2												9
10	20	14		20			18.3			17.1			17.1			15.3									10
11	20	13.3		20	13.6		18.1			17.1			17			15.2									11
12	19.2	12.9		19	13.1		17.9	13.1		16.9			16.9			15.2			12.9						12
14	16.5	12	9.5	17.6	12.2	9.5	16.7	12.2		16.7	12.3		16.5			15			12.8			11.2			14
16	14.8	11.3	9.5	16.2	11.4	9.5	15.5	11.5	9.5	15.6	11.7		16.2	12.1		14.8	12.3		12.7			11.1			16
18	13.4	10.6	9.1	14	10.8	9.3	14.3	11	9.3	14.3	11	9.2	15.5	11.5	9.5	14.5	11.7		12.5	11		10.9			18
20	12.2	10	8.8	12.8	10.4	9	13.2	10.4	9.1	13.4	10.5	9	14.9	11	9.3	14.1	11.2	9.4	12.4	10.8		10.8	10.2		20
22	11.2	9.5	8.6	11.9	9.8	8.7	12.1	10.1	8.8	12.4	10.2	8.8	14.1	10.5	9	13.6	10.8	9.2	11.9	10.4	9.1	10.5	9.9	8.8	22
24	10.4	9.1	8.5	11	9.4	8.6	11.2	9.6	8.6	11.5	9.8	8.7	13.1	10.3	8.9	12.9	10.4	9	11.3	10.1	8.9	10	9.4	8.5	24
26	9.5	8.6	8.3	10.3	9	8.5	10.4	9.2	8.6	10.8	9.5	8.6	12.3	9.8	8.7	12.2	10	8.8	10.7	9.7	8.8	9.4	9	8.1	26
28	8.8	8.4	8.1	9.5	8.6	8.3	9.7	8.7	8.3	10.2	9	8.5	11.5	9.5	8.6	11.5	9.6	8.7	10.3	9.3	8.6	9	8.7	7.9	28
30	8.3	8	8	8.9	8.3	8.1	9	8.3	8.1	9.5	8.6	8.3	10.3	9.2	8.6	10.8	9.4	8.6	9.7	8.9	8.5	8.6	8.4	7.6	30
32	7.7	7.6	7.6	8.4	8	7.9	8	7.8	7.8	8.9	8.2	8	10.1	8.9	8.4	10.3	9	8.6	9.2	8.5	8.2	8.1	8	7.3	32
34	7.2	7.1	7.2	7.9	7.7	7.7	7.9	7.4	7.4	8.5	7.7	7.7	9	8.6	8.3	9.7	8.7	8.5	8.7	8.1	7.8	7.6	7.6	7	34
36	6.8	6.7	6.8	7.5	7.3	7.3	7.4	6.9	7	8	7.4	7.4	8.6	8.4	8.2	9.1	8.4	8.2	8.4	7.7	7.6	7.3	7.2	6.8	36
38	6.3	6.3		7	6.9	7	6.7	6.6	6.7	7.5	7	7	8	7.9	7.9	8.6	8	7.9	7.9	7.4	7.2	6.9	6.8	6.5	38
40	6			6.7	6.7	6.8	6.6	6.2	6.3	7.1	6.7	6.7	7.6	7.6	7.6	8.3	7.7	7.7	7.5	7	6.9	6.6	6.6	6.1	40
42				6.4	6.3		6.2	5.9	5.9	6.7	6.3	6.4	7.1	7.1	7.2	7.8	7.4	7.3	7.1	6.8	6.7	6.2	6.3	5.9	42
44				6.1			5.9	5.7	5.7	6.4	6	6.1	6.8	6.8	6.8	7.2	7	7	6.8	6.6	6.4	5.9	5.9	5.6	44
46							5.5	5.5		6.1	5.8	5.9	6.7	6.5	6.5	6.6	6.6	6.7	6.5	6.4	6.1	5.6	5.6	5.3	46
48							5.2			5.8	5.7	5.6	6.4	6.1	6.1	6	6.1	6.1	6.2	6.2	5.9	5.3	5.3	5.1	48
50										5.5	5.5		6	5.8	5.9	5.4	5.7	5.6	5.6	5.9	5.6	5	5	5.1	50
52										5.3	5.3		5.5	5.7	5.4	4.9	5.2	5	5.1	5.4	5.2	4.8	4.8	4.8	52
54													5	5.1		4.5	4.8	4.8	4.7	4.9	5	4.6	4.6	4.7	54
56																4.1	4.3	4.3	4.3	4.5	4.6	4.2	4.4	4.5	56
58																3.7	3.8		3.9	4.1	4.1	3.8	4	4.1	58
60																3.1			3.5	3.7	3.7	3.4	3.6	3.7	60
62																			3.1	3.3	3.2	3	3.2	3.2	62
64																			2.9	2.9		2.8	2.9	2.9	64
66																						2.5	2.6		66
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio



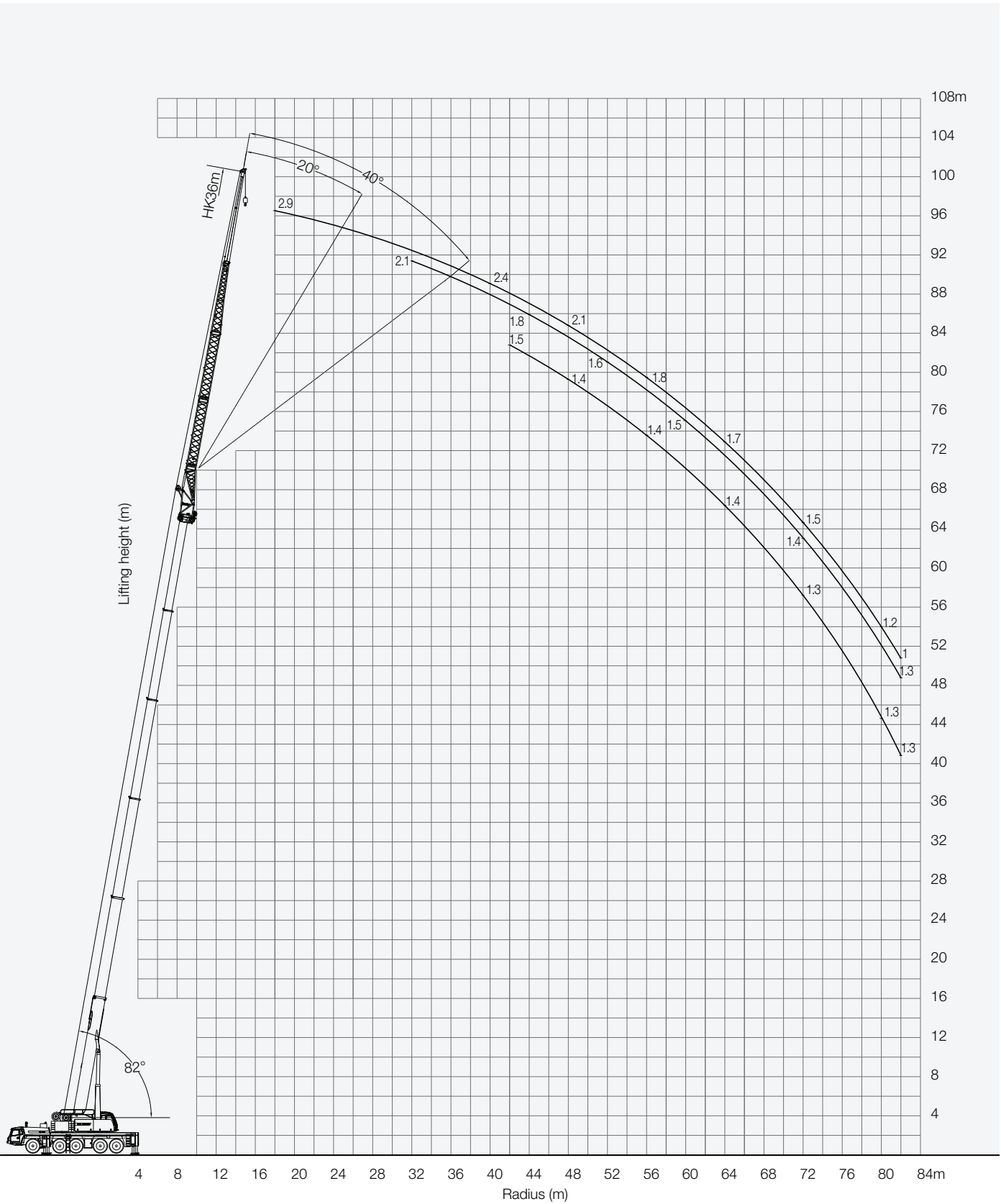
- Prerequisites:**
- ① Boom operating conditions(fully extended boom length+jib length), max.length is 62m+22m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 78T

Working range (m)	Main boom+Jib																								Working range (m)
	31.5			36			40.5			45			49.5			54			58.5			62			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6																									6
7	8			8.3																					7
8	8			8.2			7.8																		8
9	7.9			7.7			7.8			7.6															9
10	7.9			7.7			7.7			7.6			7.6												10
11	7.9			7.6			7.7			7.6			7.6			7.1									11
12	7.8			7.6			7.3			7.5			7.5			7.1			6.4						12
14	7.7			7.5			7.2			7			7.4			7			6.4			5.8			14
16	7.4	6.2		7.3			7.1			6.9			6.9			7			6.4			5.8			16
18	7.1	5.9		7.1	5.9		6.9	5.9		6.8			6.8			6.9			6.4			5.7			18
20	6.9	5.8		6.8	5.8		6.8	5.7		6.7	5.6		6.7	5.7		6.7			6.3			5.7			20
22	6.7	5.6	4.7	6.7	5.6		6.6	5.5		6.5	5.5		6.5	5.5		6.3	5.5		6.2	5.4		5.7			22
24	6.4	5.4	4.6	6.5	5.4	4.6	6.4	5.4	4.5	6.3	5.3		6.4	5.4		6.2	5.4		6.1	5.3		5.6	5		24
26	6.1	5.2	4.5	6.2	5.2	4.5	6.1	5.2	4.4	6.1	5.2	4.3	6.2	5.3	4.3	6	5.3		6	5.2		5.6	5		26
28	5.9	5	4.4	5.9	5	4.4	5.9	5.1	4.3	5.9	5.1	4.3	6	5.2	4.2	5.9	5.2	4.3	5.8	5.1	4.1	5.5	4.9		28
30	5.7	4.9	4.3	5.8	5	4.3	5.8	5	4.3	5.8	5	4.2	5.9	5.1	4.2	5.8	5.1	4.2	5.7	5	4.1	5.4	4.8	4.1	30
32	5.4	4.7	4.2	5.6	4.8	4.2	5.6	4.8	4.2	5.6	4.9	4.2	5.7	5	4.2	5.6	5	4.2	5.6	4.9	4.1	5.3	4.8	4.1	32
34	5.2	4.6	4.2	5.4	4.7	4.2	5.4	4.8	4.2	5.4	4.8	4.2	5.6	4.9	4.2	5.5	4.9	4.1	5.5	4.8	4.1	5.2	4.7	4.1	34
36	5	4.5	4.2	5.1	4.6	4.1	5.2	4.7	4.1	5.2	4.8	4.1	5.4	4.8	4.1	5.3	4.8	4.1	5.3	4.8	4.1	5.1	4.6	4	36
38	4.8	4.4	4.2	5	4.6	4.1	5	4.6	4.1	5.1	4.7	4.1	5.2	4.7	4.1	5.2	4.8	4.1	5.2	4.7	4.1	5	4.6	4	38
40	4.6	4.3	4.2	4.8	4.5	4.1	4.9	4.6	4.1	5	4.7	4.1	5.1	4.7	4.1	5	4.7	4.1	5.1	4.6	4.1	4.9	4.5	4	40
42	4.4	4.2	4.2	4.6	4.3	4.1	4.8	4.5	4.1	4.9	4.6	4.1	5	4.6	4.1	5	4.7	4.1	5	4.5	4	4.8	4.4	4	42
44	4.1	4.2	4.2	4.4	4.2	4.1	4.6	4.4	4.1	4.7	4.5	4.1	4.9	4.6	4.1	4.9	4.6	4.1	4.9	4.5	4	4.7	4.4	4	44
46	4	4.2	4.2	4.3	4.2	4.1	4.4	4.3	4.1	4.6	4.4	4.1	4.7	4.5	4.1	4.7	4.5	4.1	4.8	4.4	4	4.6	4.3	4	46
48	3.8	4.1		4.1	4.1	4.1	4.3	4.2	4.1	4.4	4.3	4.1	4.6	4.5	4.1	4.6	4.4	4.1	4.8	4.4	4	4.4	4.2	4	48
50	3.7			4	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.1	4.5	4.4	4.1	4.5	4.4	4.1	4.7	4.3	4	4.3	4.1	3.9	50
52				3.8	4.1		4	4.1	4.1	4.1	4.2	4.1	4.4	4.3	4.1	4.4	4.4	4.1	4.6	4.3	4	4.1	4.1	3.9	52
54				3.7			3.9	4	3.9	4.1	4.1	4.1	4.3	4.2	4.1	4.3	4.3	4.1	4.5	4.2	4	3.9	4	3.8	54
56							3.7	3.8		4.1	4.1	4	4.1	4.1	4.1	4.2	4.2	4.1	4.4	4.2	4	3.7	3.8	3.7	56
58							3.6			3.9	3.9	3.9	4.1	4.1	4.1	4.1	4.2	4.1	4.2	4.1	4	3.5	3.6	3.6	58
60										3.7	3.8		4.1	4	4.1	3.8	4.1	4.1	3.9	4	4	3.3	3.5	3.6	60
62										3.6			3.9	4		3.4	3.7	3.6	3.5	3.9	3.8	3.2	3.3	3.4	62
64													3.6	3.8		3.1	3.4	3.4	3.2	3.5	3.7	3	3.1	3.2	64
66																2.8	3	2.9	2.9	3.2	3.2	2.8	3	3.1	66
68																2.6	2.7		2.7	2.9	2.9	2.5	2.9	2.9	68
70																			2.4	2.6	2.6	2.3	2.6	2.6	70
72																			2.2	2.3		2	2.2	2.2	72
74																						1.8	2		74
76																							1.7		76
78																									78
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio



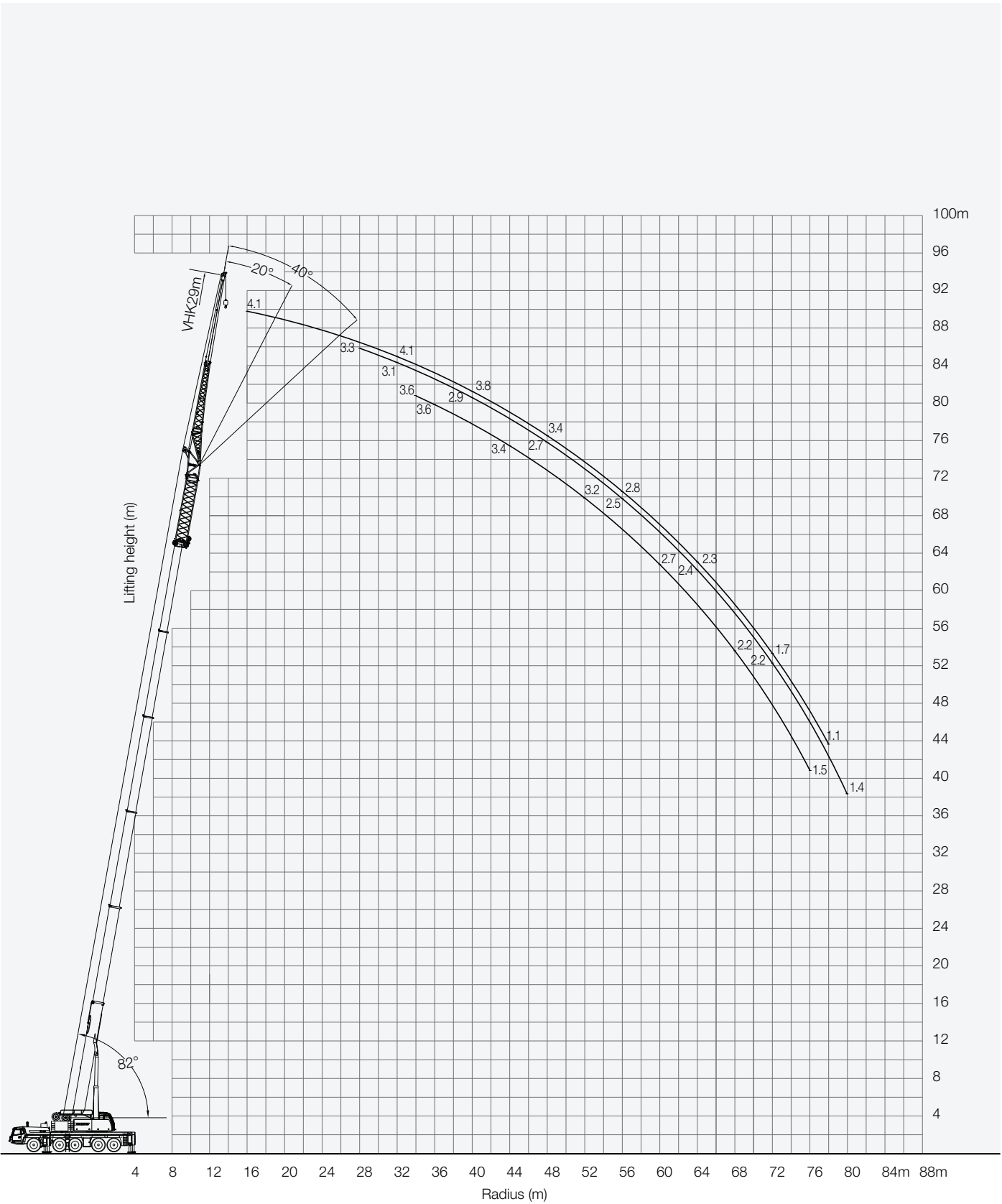
- Prerequisites:
- ① Boom operating conditions(fully extended boom length+jib length), max.length is 62m+29m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 78T

Working range (m)	Main boom+Jib																								Working range (m)
	31.5			36			40.5			45			49.5			54			58.5			62			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6																									6
7																									7
8	6																								8
9	6			5.8																					9
10	5.9			5.8			5.7																		10
11	5.9			5.7			5.7			5.5			5.5												11
12	5.9			5.7			5.6			5.5			5.5			5.2									12
14	5.9			5.6			5.3			5.5			5.5			5.2			4.7						14
16	5.8			5.5			5.3			5.2			5.2			5.2			4.7			4.2			16
18	5.6			5.5			5.3			5.1			5.1			5.2			4.7			4.2			18
20	5.4	4.4		5.3			5.1			5			5.1			5.1			4.7			4.2			20
22	5.1	4.3		5.1	4.3		5	4.2		5			5			5			4.6			4.2			22
24	5	4.1		5	4.1		4.9	4.1		4.8	4		4.9	4		4.9			4.6			4.2			24
26	4.7	3.9		4.7	3.9		4.7	3.9		4.6	3.9		4.7	3.9		4.8	3.8		4.5	3.6		4.1			26
28	4.4	3.7	2.9	4.5	3.7	2.9	4.5	3.7		4.4	3.7		4.5	3.8		4.7	3.7		4.3	3.5		4	4.9		28
30	4.2	3.5	2.8	4.3	3.5	2.8	4.3	3.6	2.9	4.3	3.6		4.4	3.7		4.6	3.6		4.2	3.4		4	4.8		30
32	4.1	3.4	2.7	4.1	3.4	2.7	4.1	3.5	2.8	4.1	3.5	2.6	4.2	3.5	2.6	4.4	3.5	2.6	4.1	3.3		3.9	4.8		32
34	3.9	3.3	2.6	3.9	3.3	2.6	4	3.3	2.7	4.2	3.3	2.6	4.3	3.4	2.6	4.3	3.4	2.7	4	3.2	2.6	3.8	4.7		34
36	3.7	3.2	2.6	3.8	3.2	2.6	4	3.2	2.6	4.1	3.2	2.5	4.2	3.3	2.6	4.1	3.3	2.5	3.9	3.1	2.6	3.7	4.6	2.5	36
38	3.5	3	2.5	3.6	3	2.5	3.8	3.1	2.6	3.9	3.1	2.5	4	3.2	2.5	4	3.2	2.5	3.8	3.1	2.6	3.6	4.6	2.5	38
40	3.3	2.9	2.5	3.4	2.9	2.5	3.7	3	2.5	3.7	3	2.5	3.9	3.1	2.5	3.9	3.1	2.4	3.7	3	2.4	3.5	4.5	2.5	40
42	3.2	2.8	2.4	3.2	2.8	2.4	3.5	2.9	2.5	3.6	2.9	2.4	3.7	3	2.4	3.7	3	2.4	3.6	2.9	2.4	3.4	4.4	2.5	42
44	3	2.8	2.4	3.2	2.8	2.4	3.4	2.9	2.4	3.5	2.9	2.4	3.6	2.9	2.4	3.6	2.9	2.4	3.5	2.9	2.3	3.3	4.4	2.3	44
46	2.8	2.7	2.4	3	2.7	2.4	3.2	2.8	2.4	3.3	2.9	2.4	3.5	2.9	2.3	3.5	2.9	2.3	3.3	2.9	2.3	3.2	4.3	2.4	46
48	2.6	2.6	2.4	2.9	2.6	2.4	3	2.8	2.4	3.2	2.8	2.3	3.4	2.9	2.3	3.4	2.9	2.3	3.2	2.8	2.3	3.1	4.2	2.3	48
50	2.5	2.5	2.4	2.7	2.5	2.4	2.9	2.7	2.4	3.1	2.7	2.3	3.2	2.8	2.3	3.2	2.8	2.3	3.1	2.7	2.3	3.1	4.1	2.3	50
52	2.4	2.5	2.4	2.6	2.5	2.4	2.9	2.6	2.4	2.9	2.7	2.3	3.1	2.7	2.3	3.1	2.7	2.3	3.1	2.7	2.3	3	4.1	2.3	52
54	2.4	2.5		2.6	2.5	2.4	2.8	2.6	2.4	2.8	2.6	2.3	3	2.7	2.3	3	2.7	2.3	3	2.6	2.3	2.9	4	2.3	54
56	2.3			2.5	2.5	2.4	2.7	2.5	2.4	2.8	2.6	2.3	2.9	2.6	2.3	2.9	2.6	2.3	2.9	2.6	2.3	2.9	3.8	2.3	56
58				2.4			2.6	2.5	2.4	2.7	2.6	2.3	2.9	2.6	2.3	2.9	2.6	2.3	2.9	2.5	2.3	2.8	3.6	2.3	58
60				2.3			2.3	2.5	2.3	2.6	2.5	2.3	2.8	2.5	2.3	2.9	2.5	2.3	2.8	2.5	2.3	2.8	3.5	2.3	60
62							2.4	2.4		2.5	2.5	2.3	2.7	2.5	2.3	2.8	2.5	2.3	2.8	2.5	2.3	2.7	3.3	2.3	62
64							2.3			2.4	2.4	2.3	2.6	2.5	2.3	2.7	2.4	2.3	2.7	2.4	2.3	2.6	3.1	2.3	64
66										2.4	2.4		2.5	2.4	2.3	2.6	2.4	2.3	2.6	2.4	2.3	2.5	3	2.3	66
68										2.3	2.4		2.4	2.4		2.5	2.4	2.3	2.6	2.4	2.3	2.4	2.9	2.3	68
70													2.4	2.4		2.4	2.4	2.3	2.4	2.4	2.3	2.3	2.6	2.3	70
72													2.3			2.1	2.4	2.3	2.2	2.4	2.3	2.1	2.2	2.3	72
74																1.9	2.1		2	2.2	2.2	1.8	2	2.2	74
76																			1.7	2	2	1.6	1.7	2	76
78																			1.5	1.8		1.4		1.7	78
80																			1.3	1.5		1.2			80
82																						1			82
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio



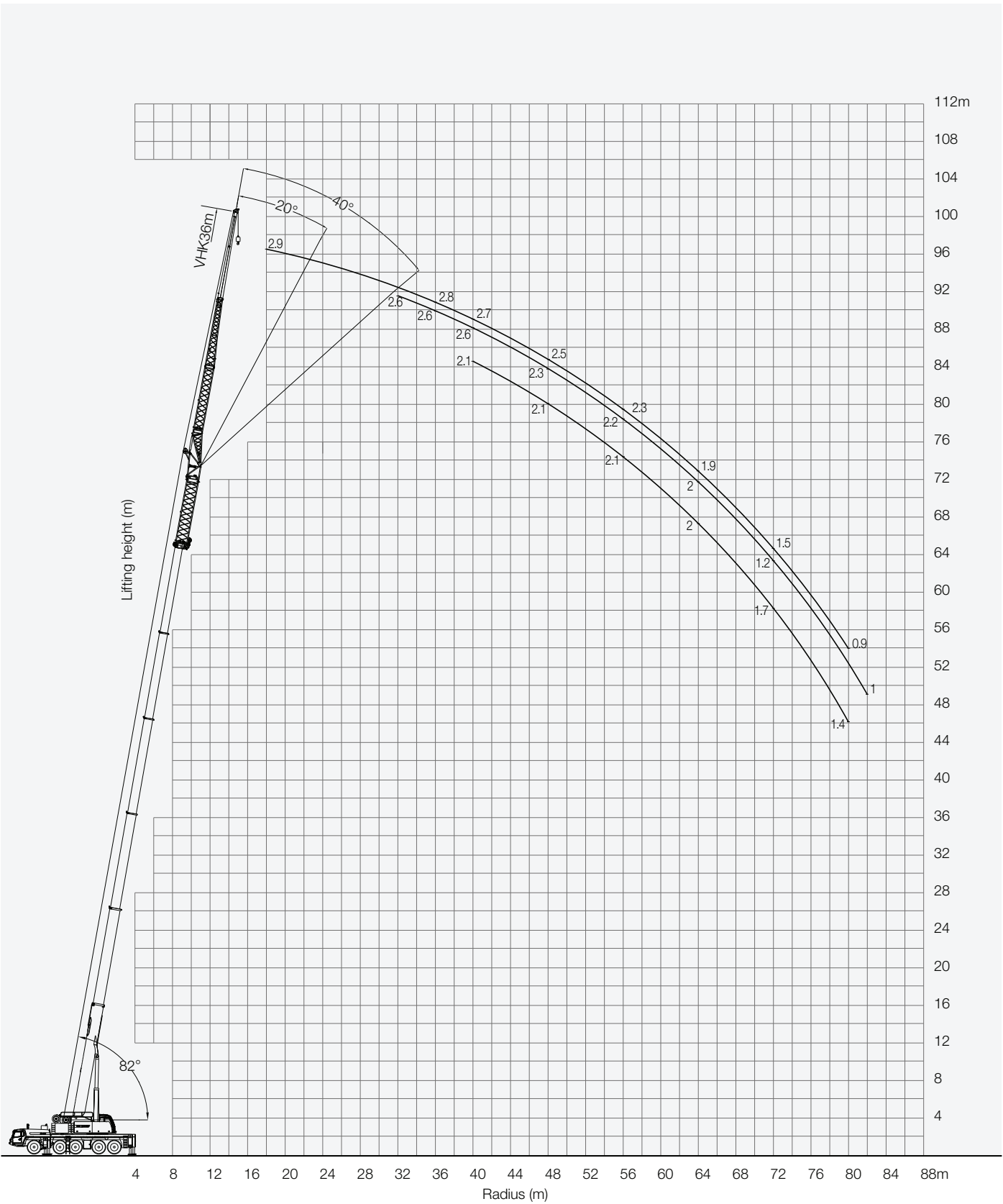
- Prerequisites:
- ① Boom operating conditions(fully extended boom length+jib length), max.length is 62m+36m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 78T

Working range (m)	Main boom+Jib																								Working range (m)
	31.5			36			40.5			45			49.5			54			58.5			62			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6																									6
7																									7
8																									8
9	4.3																								9
10	4.3			4.4																					10
11	4.3			4.1			4.1																		11
12	4.2			4.1			4.1			3.9															12
14	4.2			4.1			4			3.9			3.9			3.7									14
16	4.1			4.1			3.9			3.9			3.9			3.7			3.2						16
18	4.1			4			3.7			3.9			3.9			3.7			3.2			2.9			18
20	3.9			3.9			3.7			3.6			3.7			3.7			3.2			2.9			20
22	3.8			3.7			3.6			3.5			3.6			3.6			3.2			2.9			22
24	3.6	2.9		3.5			3.4			3.6			3.6			3.5			3.2			2.9			24
26	3.4	2.8		3.4	2.7		3.3	2.7		3.4			3.5			3.4			3.1			2.9			26
28	3.2	2.6		3.2	2.6		3.3	2.6		3.3	2.5		3.4	2.5		3.3			3			2.8			28
30	3.1	2.5		3.1	2.5		3.2	2.5		3.2	2.4		3.3	2.4		3.1	2.4		2.9			2.8			30
32	2.9	2.4		3	2.4		3	2.4		3	2.3		3.1	2.3		3	2.3		2.9	2.2		2.7	2.1		32
34	2.7	2.2	1.7	2.9	2.3	1.7	2.9	2.3		2.9	2.2		3	2.2		2.9	2.2		2.8	2.1		2.6	2		34
36	2.6	2.1	1.6	2.6	2.2	1.6	2.9	2.2	1.6	2.9	2.1		2.9	2.2		2.9	2.1		2.7	2		2.5	1.9		36
38	2.4	2	1.6	2.5	2	1.6	2.7	2.1	1.6	2.8	2	1.5	2.8	2.1	1.5	2.8	2.1	1.5	2.6	2		2.5	1.9		38
40	2.3	1.9	1.5	2.4	2	1.5	2.6	2	1.5	2.6	2	1.5	2.7	2	1.5	2.7	2	1.5	2.5	1.9	1.4	2.4	1.9		40
42	2.2	1.8	1.5	2.3	1.9	1.5	2.3	1.9	1.5	2.5	1.9	1.5	2.6	2	1.5	2.6	1.9	1.5	2.4	1.9	1.4	2.3	1.8	1.5	42
44	2.1	1.7	1.5	2.2	1.8	1.5	2.3	1.8	1.5	2.4	1.9	1.5	2.5	1.9	1.5	2.5	1.9	1.5	2.4	1.8	1.4	2.2	1.8	1.5	44
46	2	1.7	1.4	2.1	1.8	1.4	2.2	1.8	1.4	2.3	1.8	1.4	2.4	1.8	1.4	2.4	1.8	1.4	2.3	1.8	1.4	2.2	1.7	1.4	46
48	1.9	1.6	1.4	2	1.7	1.4	2.1	1.7	1.4	2.2	1.8	1.4	2.3	1.8	1.4	2.3	1.8	1.4	2.2	1.7	1.4	2.1	1.7	1.4	48
50	1.8	1.6	1.4	1.9	1.6	1.4	2	1.7	1.4	2.1	1.7	1.4	2.2	1.7	1.4	2.2	1.7	1.4	2.1	1.7	1.4	2	1.7	1.4	50
52	1.6	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4	2	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4	2	1.6	1.4	2	1.6	1.4	52
54	1.6	1.5	1.4	1.7	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4	2	1.6	1.4	2	1.6	1.4	2	1.6	1.4	1.9	1.6	1.4	54
56	1.5	1.4	1.4	1.6	1.5	1.4	1.7	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4	2	1.6	1.4	1.9	1.6	1.4	1.8	1.5	1.4	56
58	1.4	1.4	1.4	1.5	1.5	1.4	1.6	1.5	1.4	1.7	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4	1.8	1.5	1.4	1.8	1.5	1.4	58
60	1.4	1.4		1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.5	1.4	1.7	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.7	1.5	1.4	60
62	1.4	1.4		1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4	1.7	1.5	1.4	1.7	1.5	1.4	1.7	1.5	1.4	1.7	1.5	1.4	62
64	1.4			1.4	1.4		1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.5	1.4	1.7	1.5	1.4	1.7	1.5	1.4	1.7	1.4	1.4	64
66				1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.7	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4	66
68				1.4			1.4	1.4		1.4	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.3	68
70							1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4	1.5	1.4	1.3	70
72							1.4			1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.3	1.4	1.5	1.4	1.3	72
74										1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.3	1.4	1.5	1.3	1.3	74
76													1.4	1.4		1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.3	1.3	76
78													1.4	1.4		1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.3	1.3	78
80																1.3	1.4		1.3	1.3	1.4	1.2	1.3	1.3	80
82																1.1	1.3		1.1	1.3	1.4	1	1.3	1.3	82
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio



- Prerequisites:
- ① Boom operating conditions(fully extended boom length + extending boom length+ jib length), max.length is 62m+7m+22m
 - ② The span of outriggers is 9.0m×8.5m
 - ③ 360°rotation is applied
 - ④ Counterweight is 78T

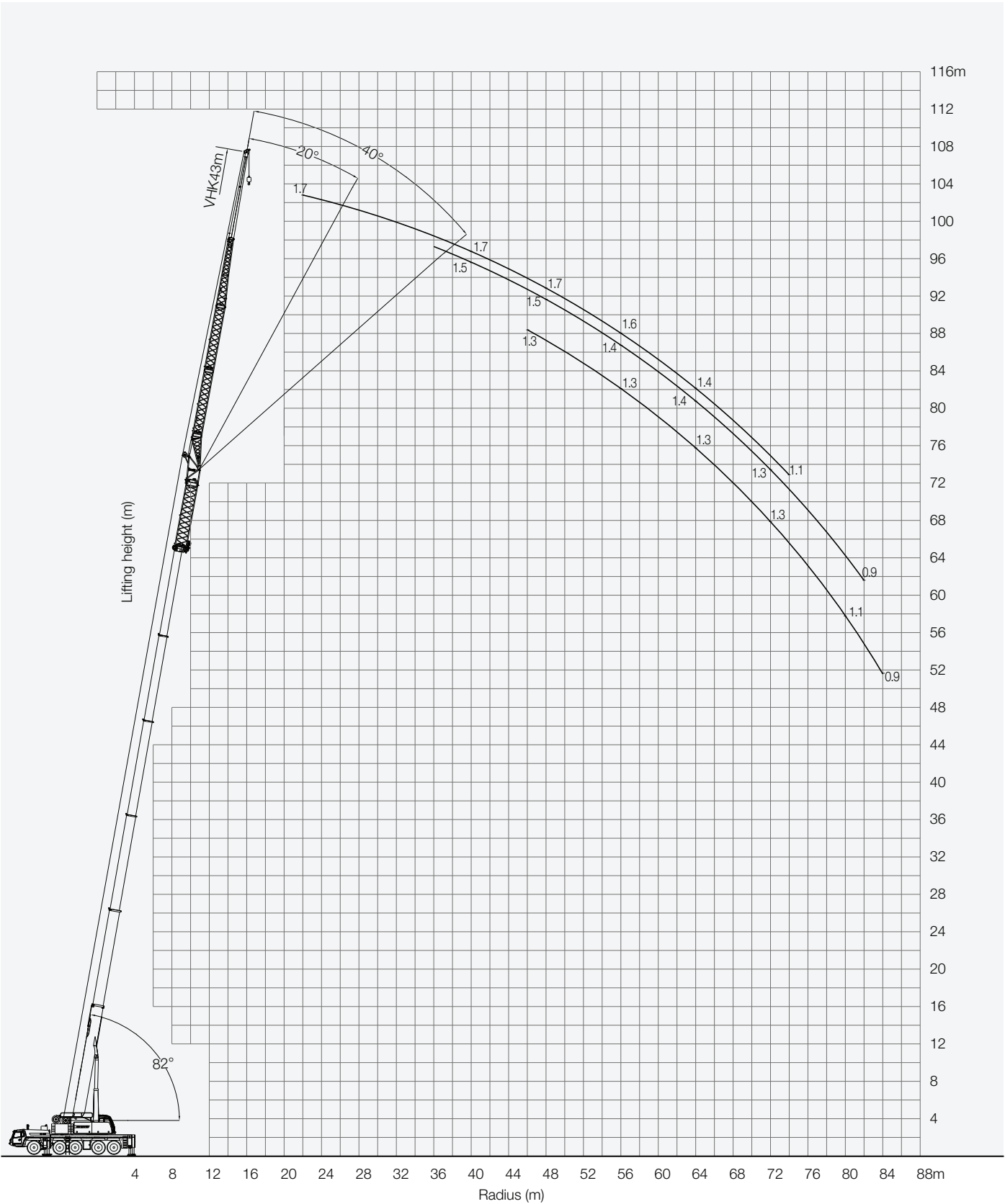
Working range (m)	Main boom + Extending boom+ Jib																					Working range (m)
	31.5			36			40.5			45			54			58.5			62			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6																						6
7																						7
8	6.8																					8
9	6.8			6.6																		9
10	6.8			6.6			6															10
11	6.8			6.6			6			5.9												11
12	6.8			6.6			6			5.9												12
14	6.8			6.6			6			5.9			5									14
16	6.7			6.5			6			5.8			5			4.7			4.1			16
18	6.6	5.9		6.3			6			5.8			5			4.7			4.1			18
20	6.4	5.7		6.2	5.6		5.9	5.4		5.7			5			4.7			4.1			20
22	6.2	5.5		6	5.4		5.8	5.3		5.6	5.2		5			4.7			4.1			22
24	6	5.3	4.5	5.9	5.2		5.7	5.1		5.5	5		5	4.7		4.7			4.1			24
26	5.8	5.1	4.4	5.8	5.1	4.4	5.5	5	4.3	5.4	5		5	4.7		4.6	4.4		4.1			26
28	5.6	5	4.3	5.6	5	4.3	5.4	5	4.3	5.3	4.9	4.2	4.9	4.6		4.6	4.4		4.1	4		28
30	5.4	4.9	4.3	5.4	4.9	4.3	5.2	4.8	4.2	5.1	4.8	4.2	4.8	4.5	4.1	4.5	4.3		4.1	4		30
32	5.1	4.7	4.2	5.1	4.7	4.2	5	4.7	4.2	5	4.6	4.1	4.7	4.4	4.1	4.5	4.2	3.9	4.1	4		32
34	4.9	4.5	4.2	5	4.5	4.1	5	4.5	4.1	4.9	4.5	4.1	4.6	4.3	4.1	4.4	4.1	3.9	4.1	3.9	3.6	34
36	4.7	4.3	4.1	4.8	4.4	4.1	4.8	4.3	4.1	4.8	4.3	4.1	4.5	4.1	4	4.3	4.1	3.9	4	3.8	3.6	36
38	4.4	4.1	4.1	4.6	4.2	4.1	4.6	4.2	4	4.6	4.1	4	4.4	4.1	3.9	4.2	4	3.8	3.9	3.7	3.6	38
40	4.1	4	3.9	4.3	4.1	4	4.4	4.1	3.9	4.4	4.1	3.9	4.3	4	3.8	4.1	3.9	3.7	3.8	3.7	3.5	40
42	4	3.9	3.8	4.1	4	3.8	4.1	4	3.8	4.2	4	3.8	4.1	3.9	3.7	4.1	3.8	3.6	3.7	3.6	3.5	42
44	3.7	3.7	3.7	4	3.8	3.7	4	3.8	3.7	4.1	3.8	3.7	4.1	3.8	3.6	4	3.7	3.6	3.7	3.5	3.4	44
46	3.5	3.5	3.5	3.8	3.7	3.7	3.8	3.7	3.6	3.9	3.7	3.7	4	3.7	3.6	3.9	3.6	3.5	3.5	3.4	3.3	46
48	3.3	3.3	3.3	3.6	3.5	3.5	3.6	3.5	3.5	3.8	3.6	3.6	3.8	3.6	3.5	3.8	3.5	3.4	3.4	3.3	3.3	48
50	3.2	3.2	3.2	3.4	3.3	3.4	3.4	3.4	3.5	3.6	3.5	3.5	3.7	3.5	3.4	3.7	3.4	3.4	3.2	3.2	3.2	50
52	3	3		3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.3	3.4	3.5	3.4	3.4	3.5	3.3	3.3	3.2	3.2	3.2	52
54	2.8	2.8		3.1	3.1	3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.4	3.3	3.3	3.4	3.2	3.3	3	3	3.1	54
56	2.7	2.7		3	3		2.9	2.9	3	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	2.8	2.9	3	56
58				2.8	2.8		2.7	2.8		3	3	3.1	3.2	3.2	3.2	3.2	3.2	3.2	2.7	2.8	2.9	58
60				2.7	2.8		2.6	2.6		2.8	2.8	2.9	3	3	3.1	3.1	3.1	3.2	2.5	2.6	2.7	60
62							2.4	2.4		2.7	2.7		2.9	2.9	3	2.9	2.9	3.1	2.4	2.5	2.6	62
64							2.3	2.3		2.5	2.6		2.7	2.8	2.8	2.8	2.8	2.9	2.3	2.3	2.4	64
66										2.4	2.4		2.5	2.6	2.7	2.5	2.7	2.8	2.2	2.3	2.3	66
68										2.3			2.4	2.5	2.5	2.3	2.6	2.7	2.1	2.1	2.2	68
70													2.3	2.3	2.4	2.1	2.3	2.4	1.9	2	2.1	70
72													2.2	2.3		1.8	2.1	2.1	1.7	1.9	1.9	72
74													2.1	2.2		1.6	1.8	1.8	1.4	1.8	1.8	74
76													1.7			1.4	1.6		1.3	1.5	1.5	76
78																1.2	1.4		1.1	1.3		78
80																1	1.1					80
82																						82
84																						84
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio



Prerequisites:

- ① Boom operating conditions(fully extended boom length + extending boom length+ jib length), max.length is 62m+7m+29m
- ② The span of outriggers is 9.0m×8.5m
- ③ 360°rotation is applied
- ④ Counterweight is 78T

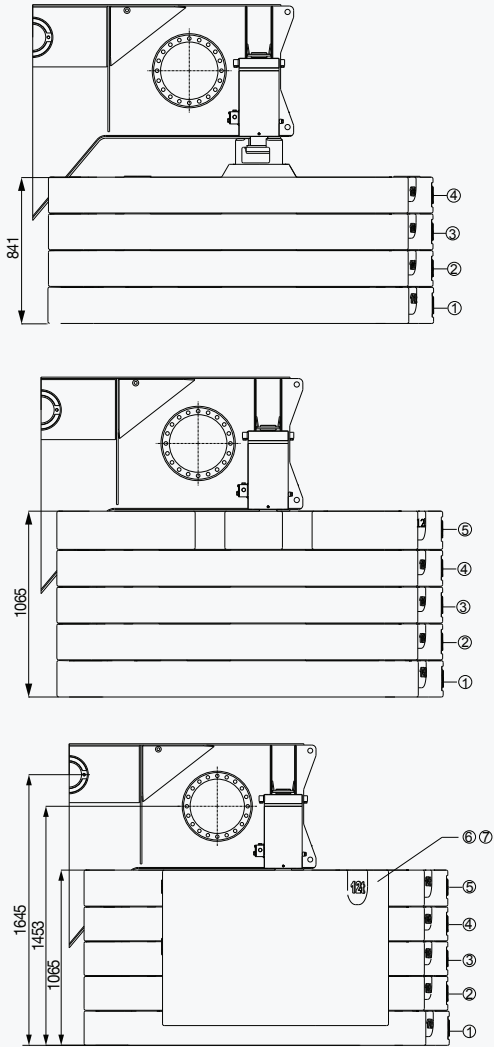
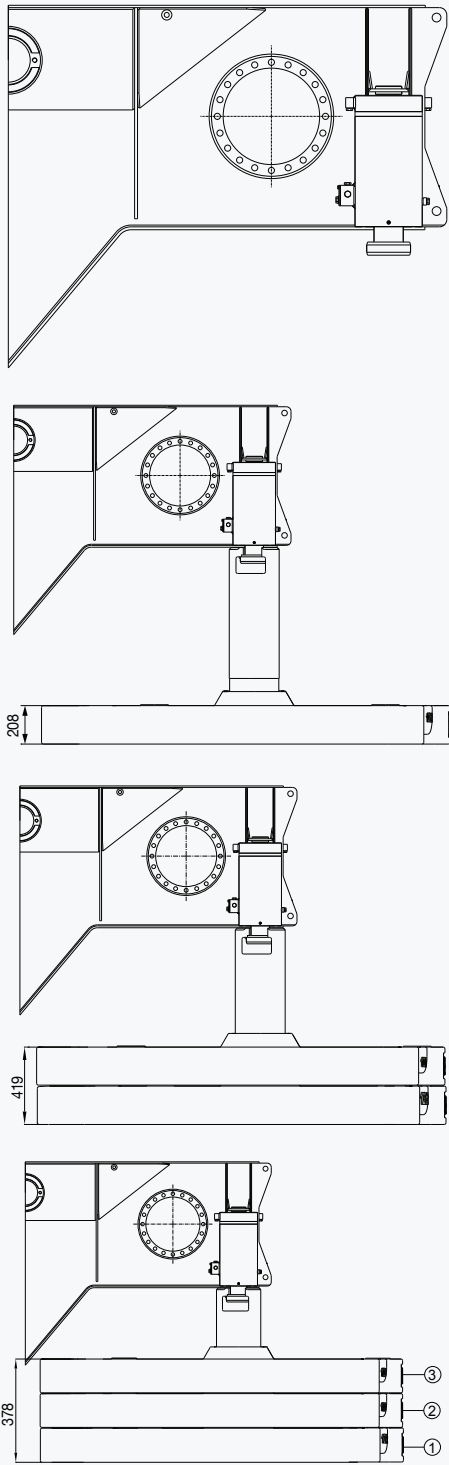
Working range (m)	Main boom + Extending boom+ Jib																								Working range (m)
	31.5			36			40.5			45			49.5			54			58.5			62			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6																									6
7																									7
8																									8
9																									9
10	5																								10
11	5			4.8																					11
12	5			4.8			4.4																		12
14	5			4.8			4.4			4.1			4												14
16	5			4.8			4.4			4.1			4			3.6			3.3						16
18	5			4.8			4.4			4.1			4			3.6			3.3			2.9			18
20	4.9			4.7			4.4			4.1			4			3.6			3.3			2.9			20
22	4.8	4		4.6			4.3			4.1			4			3.6			3.3			2.9			22
24	4.6	3.8		4.5	3.7		4.3	3.6		4.1			3.9			3.6			3.3			2.9			24
26	4.4	3.7		4.3	3.6		4.2	3.5		4.1	3.5		3.9			3.6			3.3			2.9			26
28	4.2	3.5		4.2	3.5		4.1	3.4		4	3.4		3.8	3.2		3.6	3.1		3.3			2.9			28
30	4.1	3.4	2.7	4.1	3.3		4	3.3		3.9	3.2		3.8	3.2		3.6	3.1		3.3	2.9		2.9			30
32	4	3.2	2.7	3.9	3.2	2.6	3.9	3.2	2.6	3.8	3.2		3.6	3.2		3.5	3.1		3.3	2.9		2.9	2.6		32
34	3.8	3.2	2.6	3.8	3.2	2.6	3.7	3.2	2.6	3.7	3.1	2.5	3.5	3.1	2.4	3.4	3		3.2	2.9		2.9	2.6		34
36	3.6	3.1	2.6	3.6	3.1	2.5	3.6	3.1	2.5	3.5	3	2.5	3.4	3	2.4	3.3	2.9	2.3	3.2	2.8		2.8	2.6		36
38	3.4	3	2.5	3.5	3	2.5	3.4	3	2.5	3.4	3	2.4	3.3	2.9	2.4	3.2	2.9	2.3	3.2	2.8		2.7	2.6		38
40	3.3	2.9	2.5	3.3	2.9	2.5	3.3	2.9	2.4	3.3	2.9	2.4	3.2	2.8	2.4	3.2	2.8	2.3	3.1	2.7	2.3	2.7	2.6	2.1	40
42	3.2	2.8	2.4	3.2	2.8	2.4	3.2	2.8	2.4	3.2	2.8	2.4	3.2	2.8	2.4	3.1	2.7	2.3	3	2.7	2.3	2.6	2.5	2.1	42
44	3	2.7	2.4	3.1	2.7	2.4	3.1	2.7	2.4	3.1	2.7	2.3	3.1	2.7	2.3	3	2.6	2.3	2.9	2.6	2.3	2.6	2.5	2.1	44
46	2.9	2.6	2.4	3	2.6	2.4	3	2.6	2.3	3	2.6	2.3	3	2.6	2.3	2.9	2.6	2.3	2.8	2.5	2.3	2.6	2.4	2.1	46
48	2.7	2.5	2.4	2.8	2.6	2.3	2.9	2.6	2.3	2.9	2.6	2.3	2.8	2.6	2.3	2.8	2.5	2.3	2.7	2.5	2.3	2.5	2.3	2.1	48
50	2.6	2.4	2.4	2.7	2.5	2.3	2.7	2.5	2.3	2.8	2.5	2.3	2.7	2.5	2.3	2.7	2.4	2.3	2.6	2.4	2.3	2.4	2.3	2.1	50
52	2.5	2.3	2.3	2.6	2.4	2.3	2.6	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3	2.6	2.4	2.3	2.6	2.3	2.3	2.4	2.3	2.1	52
54	2.3	2.3	2.3	2.5	2.3	2.3	2.5	2.3	2.3	2.6	2.3	2.3	2.6	2.3	2.3	2.5	2.3	2.3	2.5	2.3	2.3	2.3	2.3	2.1	54
56	2.3	2.3	2.3	2.4	2.3	2.3	2.4	2.3	2.3	2.4	2.3	2.3	2.5	2.3	2.3	2.5	2.3	2.3	2.4	2.3	2.2	2.3	2.2	2.1	56
58	2.1	2.1		2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	58
60	2	2		2.2	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	2.2	2.3	2.2	2.2	2.2	2.1	2.1	60
62	1.9	1.9		2.1	2.1		2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.3	2.2	2.2	2.3	2.1	2.2	2	2	2.1	62
64	1.9			2	2		2	2		2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.1	2.1	1.9	2	2	64
66				1.9	1.9		1.8	1.9		2	2	2.1	2	2	2.1	2.1	2.1	2.2	2.2	2	2.1	1.8	1.9	2	66
68				1.9			1.7	1.8		1.9	1.9		1.9	1.9	2	2	2	2.1	2.1	2	2.1	1.7	1.8	1.9	68
70							1.6	1.7		1.8	1.9		1.8	1.9	2	1.9	1.9	2.1	2	2	2.1	1.6	1.7	1.8	70
72										1.7	1.8		1.7	1.8	1.8	1.8	1.9	2	1.9	1.9	2.1	1.5	1.6	1.7	72
74										1.6	1.7		1.6	1.7		1.7	1.8	1.9	1.6	1.8	2	1.4	1.5	1.6	74
76													1.5	1.5		1.6	1.7	1.8	1.4	1.8	1.9	1.3	1.4	1.5	76
78													1.4	1.4		1.6	1.6		1.3	1.5	1.6	1.1	1.4	1.4	78
80																1.5	1.5		1	1.4	1.4	0.9	1.3	1.4	80
82																1.4	1.4			1.1			1		82
84																				0.9					84
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio

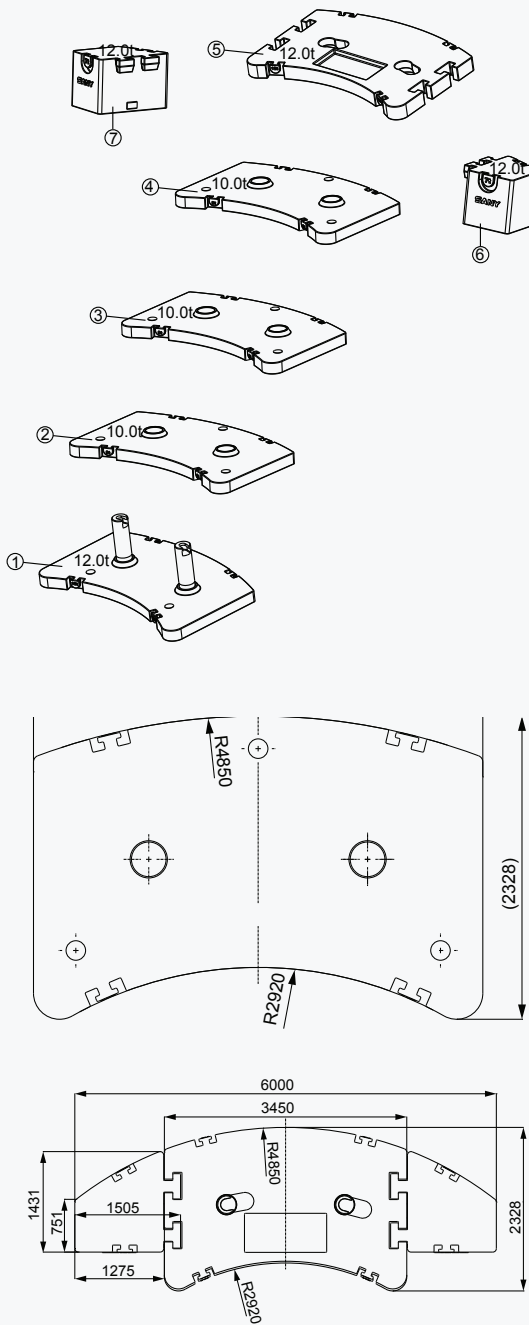


Prerequisites:

- ① Boom operating conditions(fully extended boom length + extending boom length+ jib length), max.length is 62m+7m+36m
- ② The span of outriggers is 9.0m×8.5m
- ③ 360°rotation is applied
- ④ Counterweight is 78T

Working range (m)	Main boom + Extending boom+ Jib																								Working range (m)	
	31.5			36			40.5			45			49.5			54			58.5			62				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
6																									6	
7																									7	
8																									8	
9																									9	
10																									10	
11	3.6																								11	
12	3.6				3.4																				12	
14	3.6				3.4			3.1			3														14	
16	3.6				3.4			3.1			3			2.8			2.4								16	
18	3.6				3.4			3.1			3			2.8			2.4			2.2					18	
20	3.5				3.4			3.1			3			2.8			2.4			2.2					20	
22	3.4				3.3			3.1			3			2.8			2.4			2.2			1.7		22	
24	3.2				3.2			3.1			3			2.8			2.4			2.2			1.7		24	
26	3.2	2.5			3.1			3			2.9			2.7			2.4			2.2			1.7		26	
28	3	2.4			3	2.3		2.9	2.3		2.8			2.6			2.4			2.2			1.7		28	
30	2.9	2.3			2.9	2.3		2.8	2.3		2.7	2.2		2.6			2.4			2.2			1.7		30	
32	2.8	2.2			2.8	2.2		2.7	2.2		2.6	2.1		2.5	2		2.4	1.9		2.2			1.7		32	
34	2.6	2.1			2.6	2.1		2.6	2.1		2.5	2.1		2.4	2		2.3	1.9		2.2	1.7		1.7		34	
36	2.5	2	1.6		2.5	2		2.5	2		2.4	2		2.3	1.9		2.3	1.8		2.2	1.7		1.7	1.5	36	
38	2.4	1.9	1.6		2.4	1.9	1.6	2.4	1.9	1.5	2.3	1.9		2.3	1.9		2.3	1.8		2.1	1.7		1.7	1.5	38	
40	2.3	1.9	1.5		2.3	1.9	1.5	2.3	1.8	1.5	2.3	1.8	1.5	2.3	1.8	1.4	2.2	1.8		2.1	1.7		1.7	1.5	40	
42	2.2	1.8	1.5		2.3	1.8	1.5	2.3	1.8	1.5	2.2	1.8	1.5	2.2	1.8	1.4	2.1	1.7	1.4	2	1.7		1.7	1.5	42	
44	2.1	1.7	1.5		2.2	1.7	1.5	2.2	1.7	1.4	2.2	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4	2	1.6	1.4	1.7	1.5	44	
46	2	1.7	1.4		2.1	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4	2	1.7	1.4	2	1.6	1.4	1.9	1.6	1.4	1.7	1.5	1.3	46
48	1.9	1.6	1.4		2	1.6	1.4	2	1.6	1.4	2	1.6	1.4	2	1.6	1.4	1.9	1.6	1.4	1.9	1.6	1.4	1.7	1.5	1.3	48
50	1.8	1.6	1.4		1.9	1.6	1.4	1.9	1.6	1.4	1.9	1.6	1.4	1.9	1.6	1.4	1.9	1.6	1.4	1.8	1.5	1.4	1.7	1.5	1.3	50
52	1.8	1.5	1.4		1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.7	1.4	1.3	52
54	1.7	1.5	1.4		1.7	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4	1.7	1.5	1.4	1.6	1.4	1.3	54
56	1.6	1.4	1.4		1.7	1.5	1.4	1.7	1.5	1.4	1.7	1.5	1.4	1.7	1.5	1.4	1.7	1.4	1.4	1.7	1.4	1.3	1.6	1.4	1.3	56
58	1.6	1.4	1.4		1.6	1.4	1.4	1.6	1.4	1.4	1.7	1.4	1.4	1.7	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.3	1.5	1.4	1.3	58
60	1.5	1.4	1.4		1.5	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.3	1.5	1.4	1.3	60
62	1.4	1.4	1.4		1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.3	1.5	1.4	1.3	62
64	1.4	1.4			1.4	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.3	1.4	1.4	1.3	64
66	1.4	1.4			1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.3	66
68	1.4	1.4			1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.3	1.3	68
70	1.3				1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	70
72					1.3	1.4		1.3	1.3		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.3	1.3	72
74					1.3			1.2	1.3		1.3	1.3	1.4	1.4	1.3	1.4	1.4	1.3	1.4	1.4	1.3	1.3	1.1	1.2	1.2	74
76								1.2	1.2		1.3	1.3		1.3	1.3	1.4	1.3	1.3	1.4	1.3	1.3	1.3	1	1.2	1.2	76
78											1.2	1.3		1.2	1.3	1.4	1.3	1.3	1.4	1.3	1.3	1.3	0.9	1.1	1.2	78
80											1.2	1.2		1.1	1.2		1.3	1.3	1.4	1.1	1.2	1.3		1	1.1	80
82											1.1			1.1	1.1		1.2	1.3	1.3		1.2	1.3		0.9	1.1	82
84														1			1.1	1.2			1.1	1.2			0.9	84
86																	1	1.1				0.9				86
88																										88
90																										90
92																										92
94																					0.9					94
Ratio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ratio	





TRUCK CRANE

 SPC250 Maximum Load Capacity: 25t Telescopic Boom: 4 Sections, 10.22-31.5m	 STC200 Maximum Load Capacity: 20t Telescopic Boom: 4 Sections, 10.6-33m	 STC250 Maximum Load Capacity: 25t Telescopic Boom: 4 Sections, 10.65-33.5m	 STC250H Maximum Load Capacity: 25t Telescopic Boom: 5 Sections, 10.5-39.5m
 STC300TH Maximum Load Capacity: 30t Telescopic Boom: 4 Sections, 10.6-33.5m	 STC300H Maximum Load Capacity: 30t Telescopic Boom: 5 Sections, 10.5-39.5m	 STC500 Maximum Load Capacity: 50t Telescopic Boom: 5 Sections, 11.5-43m	 STC550 Maximum Load Capacity: 55t Telescopic Boom: 5 Sections, 11.5-43m
 STC800 Maximum Load Capacity: 60t Telescopic Boom: 5 Sections, 11.5-43m	 STC750 Maximum Load Capacity: 75t Telescopic Boom: 5 Sections, 11.8-45m	 STC800 Maximum Load Capacity: 80t Telescopic Boom: 5 Sections, 11.8-45m	 STC1000C Maximum Load Capacity: 100t Telescopic Boom: 6 Sections, 13.25-60m
 STC1300C Maximum Load Capacity: 130t Telescopic Boom: 6 Sections, 13.3-60m			

ALL TERRAIN CRANE

 SAC1800 Maximum Load Capacity: 180t Telescopic Boom: 6 Sections, 13.5-62m	 SAC2200 Maximum Load Capacity: 220t Telescopic Boom: 6 Sections, 13.5-62m	 SAC3000 Maximum Load Capacity: 300t Telescopic Boom: 7 Sections, 15.4-80m	 SAC3500 Maximum Load Capacity: 350t Telescopic Boom: 6 Sections, 15.2-70m
 SAC6000 Maximum Load Capacity: 600t Telescopic Boom: 7 Sections, 17.1-90m	 SAC12000 Maximum Load Capacity: 120t Telescopic Boom: 8 Sections, 18.6-102m		

ROUGH-TERRAIN CRANE

 SRC400 Maximum Load Capacity: 40t Telescopic Boom: 4 Sections, 10-31.5m	 SRC550 Maximum Load Capacity: 55t Telescopic Boom: 4 Sections, 11.25-34.5m	 SRC550H Maximum Load Capacity: 55t Telescopic Boom: 5 Sections, 11.5-42.5m	 SRC750 Maximum Load Capacity: 75t Telescopic Boom: 5 Sections, 11.8-45m
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