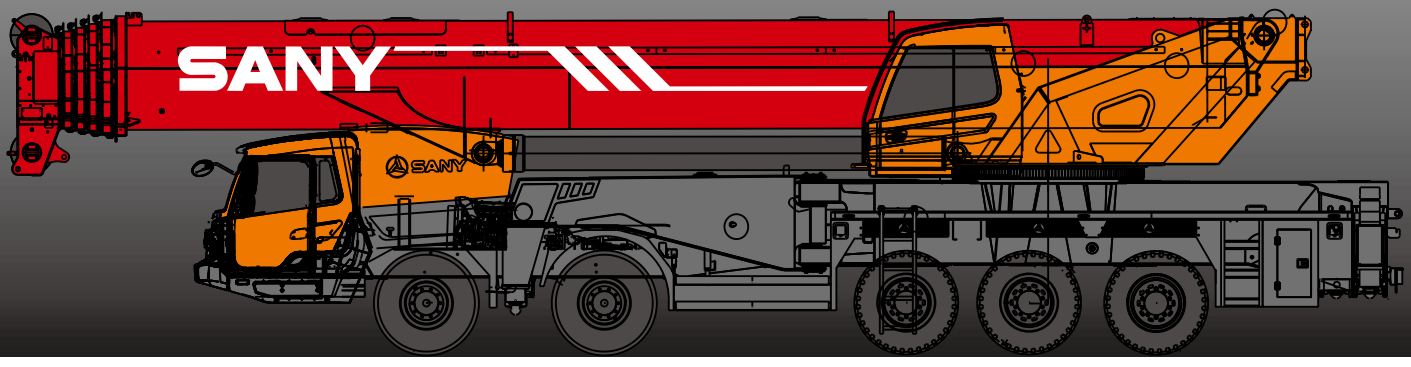
STC2200

STC2200 TRUCK CRANE
220 TONS LIFTING CAPACITY

Quality Changes the World



SANY

COMPANY BRIFE INTRODUCTION

SANY Automobile Hoisting Machinery is one of the core business unit of Sany Heavy Industry, mainly engaged in the research and development of high end, mid to large tonnage crane series, including mobile crane, crawler crane, tower crane and loader crane. It has two industrial parks in Ningxiang and Huzhou, since entering the market, the products of Sany Automobile Hoisting Machinery have received worldwide recognition with advanced technology, lean manufacturing, high reliability and excellent service.


SANY

SANY TRUCK CRANE

CONTENT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Carrier frame


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Telescopic system


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Luffing system


Drive/Steer


Luffing lattice jib


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Counterweight


Tyres


Safety system

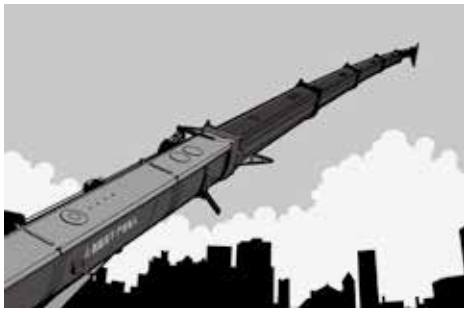

Brakes system


Hoist system


Electrical system

Excellent and Stable Chassis Performance

The use of innovative 5-axle chassis design and multi braking modes provide more reliable traveling performance for chassis. With tipping early-warning technology, high stable overall operation and high safety can be achieved.



Ultra strong, super long and sensitive lifting performance

It leads the industry with a 6-section boom of 68m and a jib of 36m. Max. lifting height is 104.5m, and Max. lifting capacity of 220t ensures the super-strong lifting capacity. 0°~40°automatic infinite luffing jib with mechanic luffing function is applied for standard configuration and automatic hydraulic luffing is optional. The switching over between operating conditions is convenient, enhancing operation efficiency significantly.

Highly efficient, energy-saving and original hydraulic control technology

Self-developed dual-pump converging / diversion main valve is used. Converging flow of the single-action dual-pump can be up to 520L/min to ensure fast operation and high work efficiency. Combined-action dual-pump diversion system is applied to ensure stable controllability, with independent oil supply for reliable operation. Electric proportional variable piston pump is used to ensure accurate flow control which is efficient and energy saving.

Safe, stable, advanced and intelligent electronic control technology

The adoption of internationally advanced distributed integration bus data communication network and sensing elements of complete set of configuration can achieve timely feedback of data information, and monitor the overall working status in real-time. The human-computer interaction interface is used to fully meet customer's individual requirements.

Optimized structural design reduces overall weight significantly which is no more than 55t under travelling status

Road regulations are met with lighter overall weight, better rigidity and lower oil consumption.

Safer protection measures

Voice warning function is upgraded based on regular safety protection. ABS chassis and tipping early warning function are adopted featuring higher reliability and safety rates.

Self-installable boom tip trolley system

Boom tip trolley system can be installed automatically.

Lifting expert system

The lifting proposal designing and guiding services are provided. With optimum lifting plan, the reliability and safety of lifting operation are improved significantly.

Superstructure

Cab

- The cab is made of safety glass and anti-corrosion steel plate with ergonomic design, such as full-coverage soften interior, panoramic sunroof and adjustable seats etc. Air conditioner and electric window screen wiper are configured, making the experience of operation more comfortable and relaxing. The display of load moment limiter integrates main console and operation display system, which clearly show the data of all operating conditions for lifting operation.

Engine

- Type: Inline six-cylinder, water cooled, supercharged and inter-cooling diesel engine
- Rated power: 178kw/2200r/min
- Environment-protection: Emission complies with Euro III standard
- Capacity of fuel tank: 260L

Hydraulic system

- The adoption of high-quality key hydraulic parts such as main oil pump, slewing pump, main valve, winch motor, and balance valve etc. ensure the high stability and reliability of the system. More excellent operation performance is achieved through accurate parameter matching. The electric proportional variable piston pump is used to adjust the pump displacement in real-time through the change of the opening of the electrical control handle, achieving high-precision flow control with no-loss of energy during operation. Self-developed dual-pump converging / diversion main valve is used to ensure high converging efficiency of single-action dual-pump and good diversion controllability of combined-action dual-pump.
- The use of self-weight lowering compensation hydraulic system ensures excellent lowering micro-mobility and stability.
- Single-cylinder pin telescopic system is used for boom.
- 0°⊠40°automatic infinite luffing jib with mechanic luffing function is applied for standard configuration and automatic hydraulic luffing is optional.
- Closed slewing system is used with flow and direction changed through adjusting the angle of the swash plate of the variable pump, ensuring excellent micro-mobility and stable rotation.
- Capacity of hydraulic oil tank: 1025L.

Control system

- SYMC load moment limiter system developed by SANY can electrically control (PLC control) the crane. Two multi-directional handles can reset automatically. The crane movement can be adjusted through hydraulic pump and its speed can be controlled through regulating the engine speed.

Luffing system

- Self-weight lowering features higher energy-saving capacity is applied. The use of single cylinder and arrangement of front hinge ensure easy luffing operation and reduce stress on the lifting boom. The electric proportional control balance valve is used. Luffing angle: 0°~82°.

Telescopic system

- Six-section boom is applied with basic boom length of 14.55m and fully extended boom length of 68m. The lifting height of fully extended boom is 68.5m. Max. lifting height including jib can be up to 104.5m. It is made of fine grain high-strength steel, designed with U-shaped section and with telescopic operation driven by independent hydraulic system.

Superstructure

Slewing system

- 360° rotation is applied with Max. slewing speed up to 1.5r/min. One closed proportional variable pump and two axial constant-displacement plunger hydraulic motor are used. The use of electric proportional closed hydraulic circuit and electric proportional pedal can achieve emergency brake.

Hoisting system

- Main winch adopts the electric proportional variable motor to provide good micro-mobility and stability of the winch to achieve infinitely variable speed. The diameter of wire ropes of main and auxiliary winches is 22mm and length of the wire ropes is 440m and 280m respectively.

Safety system

- Load moment limiter: With analytical mechanics method, the load moment limiter calculation system is established based on the load mechanical model. Therefore, the rated hoisting accuracy can be up to ±3% through on-line non-load calibration, protecting the hoisting operation in all aspects. In case of overload, system will issue an alarm automatically to provide safety guarantee for operation.
- Hydraulic system is configured with the balance valve, overflow valve, and two-way hydraulic lock etc. components, ensuring stability and reliability of the hydraulic system.
- Main and auxiliary winches are configured with 3-wraps protectors to prevent over roll-out of wire rope.
- Boom and jib are configured with height limiters at ends to prevent over-hoist of the wire rope.
- Boom head is equipped with anemometer to detect whether the high-altitude wind speed is out of the allowable range.

Counterweight

- Combined variable counterweights are used with 0t, 8.8t, 20.8t, 31.8t, 42.8t, 53.8t, 76.8t seven combinations. Good micro-mobility can be achieved through wireless remote control.

Undercarriage

Cab

- Cab is made of new steel structure self-developed by SANY, featuring excellent shock absorption and tightness, which is configured with swing-out doors at both sides, pneumatically suspended driver's seat and passenger seat, adjustable steering wheel, large rearview mirror, comfortable driver chair with a headrest, air conditioner, stereo radio, and complete control instruments and meters, providing more comfortable, safe, and humanized operation experience. Other configuration such as sleeping berth is optional.

Carrier frame

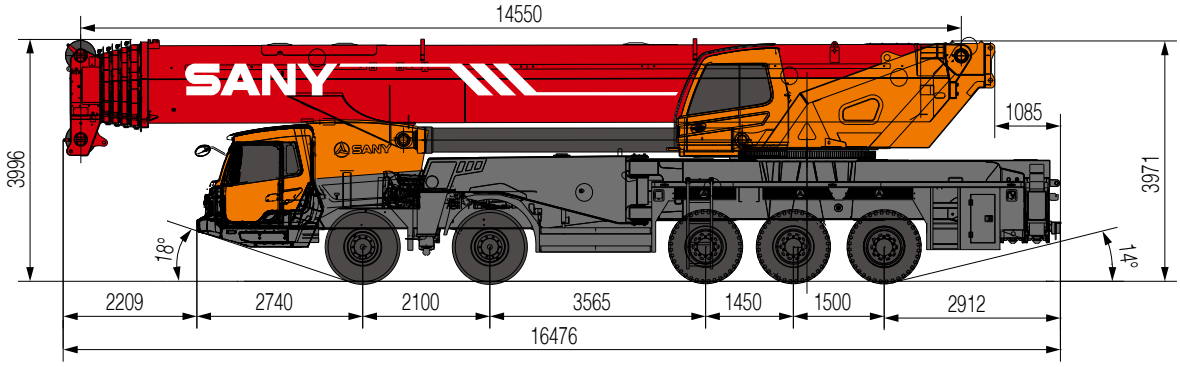
- Designed and manufactured by SANY, anti-torsion box structure is welded by fine-grain high-strength steel plate to provide strong load bearing capacity.

Axles

- Axle 1, 2, 5 are steering axles equipped with bar-feedback hydraulic power steering systems. Axle 3, 4, 5 are driving axle equipped with differential locks between wheels for planetary transmission, which ensures easy steering and flexible operation.

Undercarriage

Outrigger	■ Four-point supporting with Max. vertical and horizontal span up to 8.5m×8.2m , and full-hydraulic horizontal and vertical outrigger cylinder telescopic movement are applied with the automatic level adjustment function.
Transmission system	■ Gearbox: Manual / Automatic gearbox is adopted with 11-gear and large speed ratio range, which meets the requirements of low gradeability speed and high speed traveling. ■ Transmission shaft: With optimized arrangement of the transmission shaft, the transmission is more stable and reliable. For most optimized transmission, face-tooth coupling transmission shaft is used with large transmission torque.
Brakes system	■ Brakes system includes traveling brake, parking brake, and auxiliary brake. ■ Parking brake: Force driven by vent spring is applied on the third to fifth axle. ■ Traveling brake: All wheels use the air servo brakes and dual-circuit brake system. Axle 1, 2 are equipped with plate brakes and axle 3, 4, 5 are equipped with drum brakes. ■ Auxiliary brake: Engine is equipped with Jacobs engine brake to reduce crane speed in advance, thus reducing wear on the braking parts and saving cost significantly.
Suspension system	■ Axle suspension devices adopt the leaf spring suspension to achieve excellent traveling smoothness, comfort ability and side stability.
Steering System	■ Axle 1, 2, 5 adopt mechanical steering mode hydraulic assist.
Tyres	■ 10*12.00R24
Electrical system	■ Modern data bus system equipped with 24V DC power supply and two sets of batteries with 180AH for each set. Power supply of undercarriage can be cut off separately. ■ 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.
Engine	■ Type: Inline eight-cylinder, water cooled, supercharged and inter-cooling diesel engine ■ Rated power: 354 kw/1900r/min ■ Environment-protection: Emission complies with STAGE IIIA of EU standard ■ Capacity of fuel tank: 500L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3971
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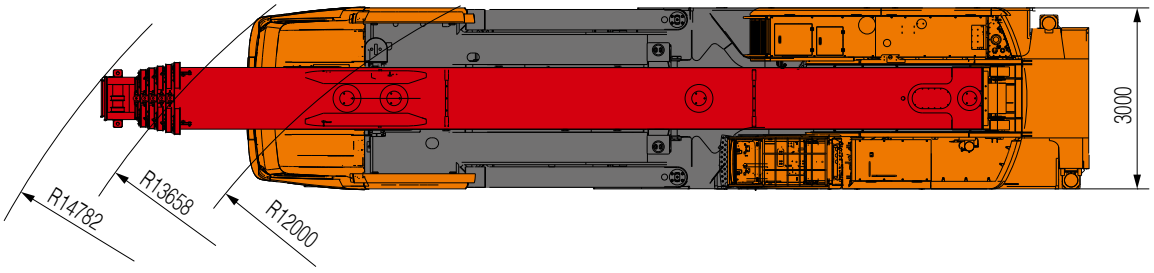
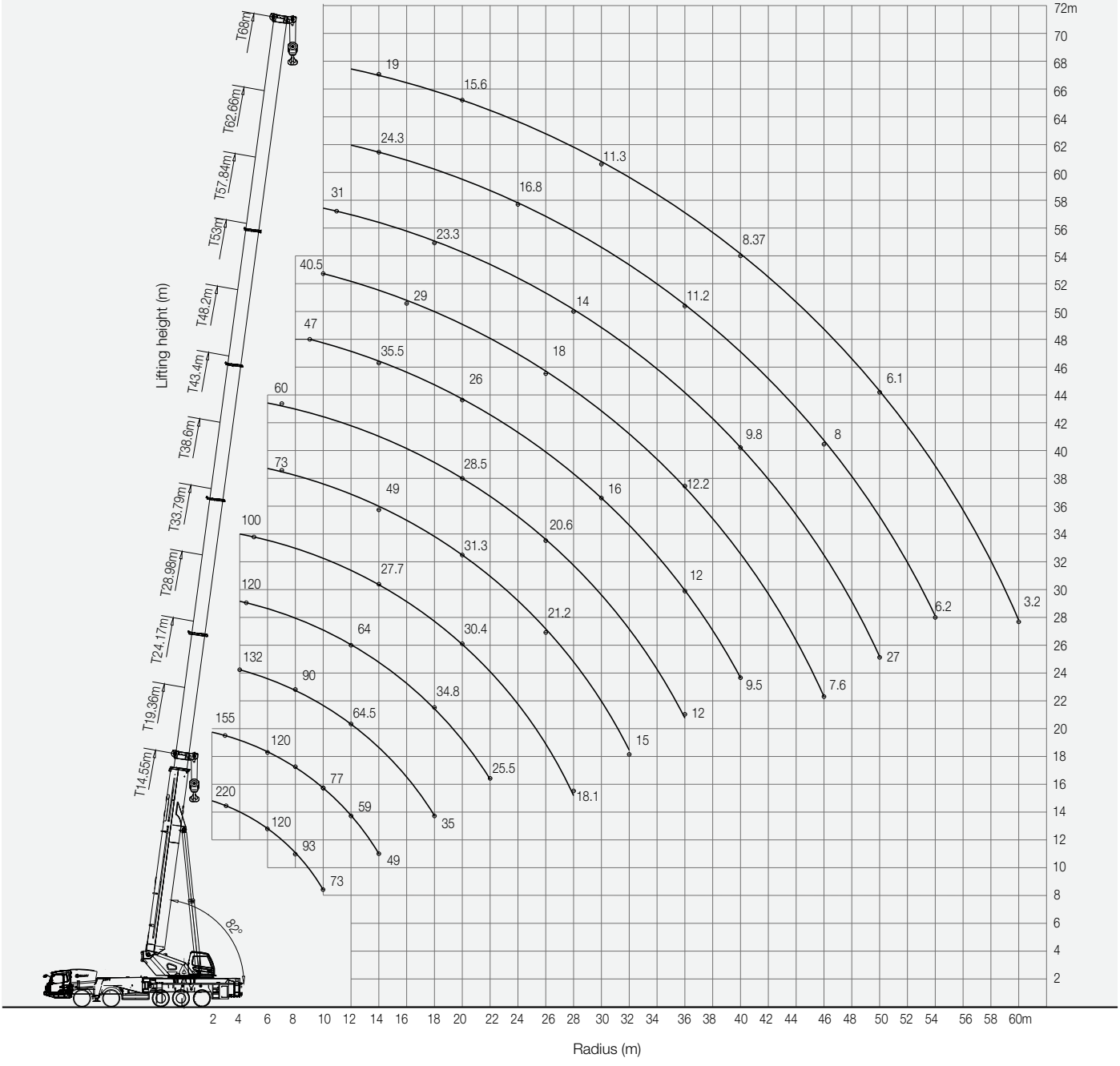
18°
4°
2209
2740
2100
3565
1450
1500
2912
16476


3000
R14782
R13658
R12000

STC2200 TRUCK CRANE
TECHNICAL PARAMETER

Type	Item		Parameter
Capacity	Max. lifting capacity		220 t
Dimensions	Overall length		16476 mm
	Overall width		3000 mm
	Overall height		4000 mm
	Axle distance	Axle-1,2	2100 mm
		Axle-2,3	3565 mm
		Axle-3,4	1450 mm
		Axle-4,5	1500 mm
Weight	Overall weight		54980 kg
	Axle load	Axle load-1,2	10600/10380 kg
		Axle load-3,4,5	12700/12500/8800 kg
Engine	Rated power		354 kW/1900 rpm
	Rated torque		2200 N.m/ 1200-1600 rpm
Traveling	Max.traveling speed		80 km/h
	Turning radius	Min.turning radius	12 m
		Min.turning radius of boom head	14.7 m
	Wheel formula		6 × 6
	Min.ground clearance		310 mm
	Approach angle		18 °
	Departure angle		14 °
	Max.gradeability		40%
	Fuel consumption per 100km		≤ 80 L
Main Performance Data	Temperature range		– 20 ° ~ + 40 °
	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	7408 kN·m
		Full-extend boom	3324 kN·m
		Full-extend boom+jib	1087 kN·m
	Boom length	Base boom	14.55 m
		Full-extend boom	68 m
		Full-extend boom+jib	104.5 m
	Outrigger span (Longitudinal×Transversal)		8.5 × 8.2 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		600 / 600 s
	Full lifting/descending time of boom		60 / 120 s
	Slewing speed		1.5 r/min
Air condition	Superstructure		Cooling/Heating
	Chassis		Cooling/Heating

Boom Operating Condition
(outriggers extended with 76.8t counterweight)



Boom Operating Condition(outriggers extended with 76.8t counterweight)

Range（m）	Main boom										Range（m）
	14.55	19.36	19.36	19.36	19.36	24.17	24.17	24.17	24.17	28.98	
3	220.0										3
3.5	163.0	155.0	145.0	145.0	145.0						3.5
4	150.0	145.0	145.0	145.0	140.6	132.0	131.7	124.7	118.8		4
4.5	140.0	135.0	135.0	135.0	127.9	132.0	132.0	123.5	117.6	120.0	4.5
5	135.0	130.0	130.2	130.8	124.2	123.0	124.6	115.5	110.1	120.0	5
6	120.0	120.0	121.2	121.7	115.6	110.0	111.1	104.0	97.4	108.0	6
7	106.0	105.0	105.9	106.4	102.0	100.0	100.9	95.9	89.8	97.0	7
8	93.0	92.0	92.6	93.1	89.2	90.0	90.8	86.2	80.6	88.0	8
9	84.0	84.0	84.7	84.9	82.3	81.8	82.8	78.6	72.9	80.5	9
10	73.0	77.0	77.7	78.1	76.8	75.3	76.2	72.4	67.2	74.4	10
11		65.0	65.6	66.4	65.7	69.6	70.7	67.6	62.1	68.9	11
12		59.0	59.5	60.0	60.6	64.5	65.5	63.2	58.2	64.0	12
14		49.0	49.6	50.1	50.6	50.0	50.9	50.3	45.8	51.0	14
16						42.0	42.5	42.9	39.9	41.7	16
18						35.0	35.6	36.5	34.7	34.8	18
20										29.6	20
22										25.5	22
24											24
26											26
28											28
30											30
32											32
Number of lines	14	14	14	12	12	12	12	12	8	10	Number of lines
II	0	45	0	0	0	45	0	0	0	45	II
III	0	0	45	0	0	45	45	0	90	45	III
IV	0	0	0	45	0	0	45	45	0	45	IV
V	0	0	0	0	45	0	0	45	0	0	V
VI	0	0	0	0	0	0	0	0	0	0	VI

Boom Operating Condition(outriggers extended with 76.8t counterweight)

Range（m）	Main boom										Range（m）
	28.98	28.98	28.98	33.79	33.79	33.79	33.79	38.6	38.6	38.6	
3											3
3.5											3.5
4											4
4.5	118.6	80.8	108.5								4.5
5	119.6	81.5	109.4	100.0	62.6	62.6	76.0				5
6	107.4	73.1	98.2	100.0	66.2	62.8	77.7				6
7	96.4	66.7	88.1	96.0	67.5	60.8	75.4	73.0	61.4	61.3	7
8	88.0	60.9	80.4	87.0	63.3	55.1	68.2	70.0	56.9	56.8	8
9	80.8	55.4	73.3	79.8	59.9	51.3	62.5	66.0	51.5	51.8	9
10	75.0	51.4	68.0	73.5	57.7	47.0	58.1	62.0	46.8	46.2	10
11	69.2	47.5	62.7	68.0	54.3	43.9	53.9	59.0	43.1	42.6	11
12	64.2	44.8	58.2	63.5	52.2	41.5	50.0	56.0	39.5	39.8	12
14	51.6	36.0	46.8	51.0	43.7	33.1	39.9	49.0	33.4	33.4	14
16	43.1	30.6	39.1	42.6	38.7	28.3	33.5	43.6	29.0	28.9	16
18	36.4	26.7	33.4	35.7	34.6	24.8	29.0	36.6	23.8	23.8	18
20	31.2	23.7	29.1	30.4	30.3	21.8	24.9	31.3	20.1	20.3	20
22	26.9	21.2	25.1	26.3	25.9	18.9	21.3	27.2	17.8	17.8	22
24				23.0	23.4	17.4	19.2	23.9	16.2	16.2	24
26				20.3	21.8	16.5	18.0	21.2	15.0	14.9	26
28				18.1	19.6	16.2	17.2	18.9	13.1	13.1	28
30								17.0	12.3	12.4	30
32								15.0	11.4	11.6	32
Number of lines	10	10	8	8	8	8	7	7	7	7	Number of lines
II	0	90	45	45	0	90	45	45	90	90	II
III	45	45	90	45	45	45	90	45	90	45	III
IV	45	0	0	45	45	45	45	45	45	90	IV
V	45	0	0	45	45	0	0	45	0	0	V
VI	0	0	0	0	45	0	0	45	0	0	VI

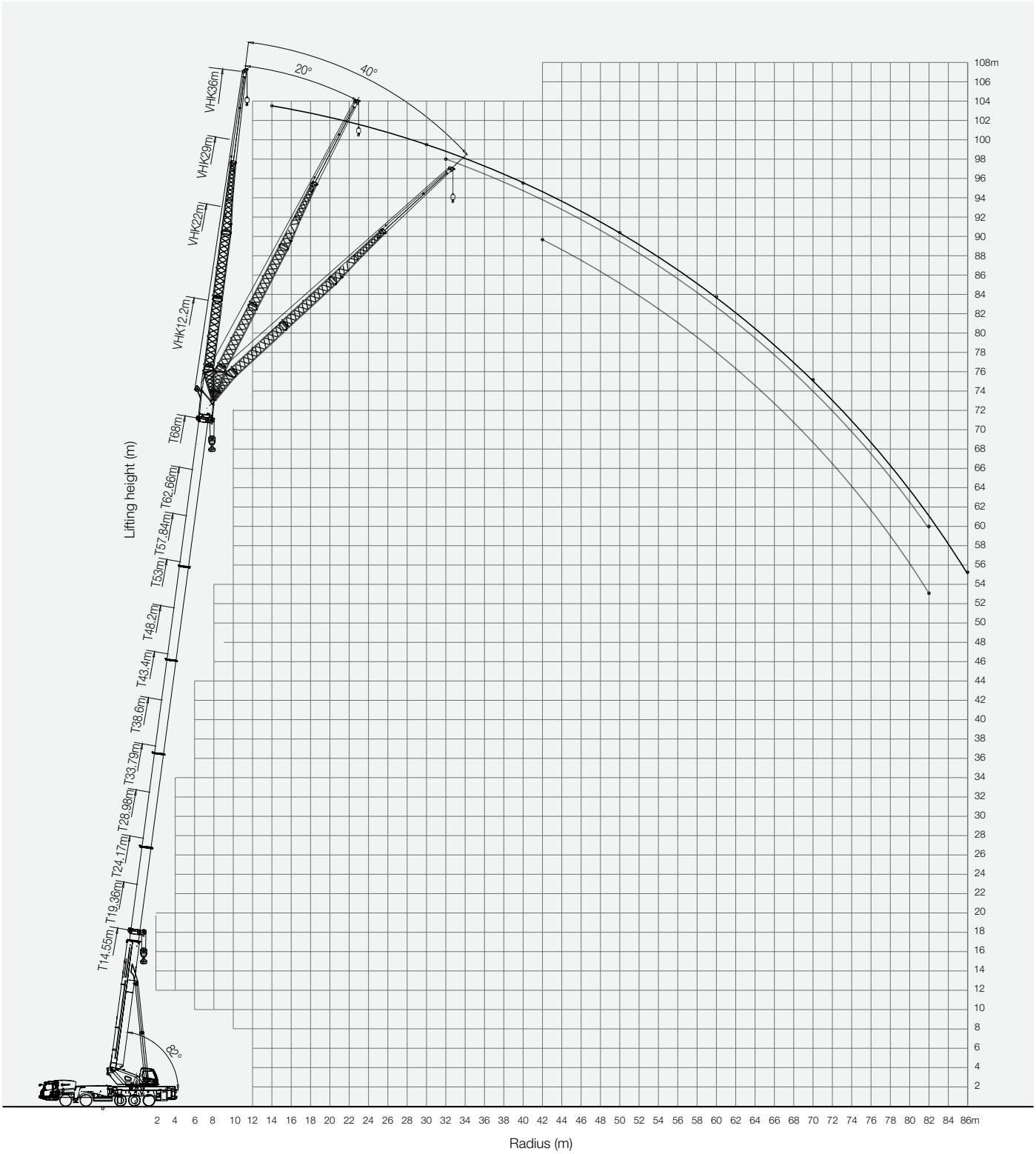
Boom Operating Condition(outriggers extended with 76.8t counterweight)

Range（m）	Main boom										Range（m）
	38.6	43.41	43.41	43.41	43.41	48.22	48.22	48.22	48.22	53.03	
7	68.7	60.0	60.4	51.9	61.5						7
8	63.7	57.0	55.8	48.7	56.6						8
9	57.1	53.0	51.3	45.6	52.6	47.0	42.1	45.9	39.9		9
10	51.9	49.0	47.3	43.4	48.9	45.0	39.8	43.1	37.1	40.5	10
11	47.8	46.0	44.4	40.8	45.5	42.0	37.6	40.3	34.7	38.5	11
12	43.9	43.0	41.6	38.9	42.7	39.2	35.6	37.8	32.6	36.0	12
14	36.5	38.3	36.5	35.3	37.5	35.5	32.0	33.3	29.2	32.5	14
16	31.1	34.7	32.9	32.0	33.4	31.6	29.0	29.9	26.0	29.0	16
18	25.5	31.4	29.8	29.5	30.3	28.7	26.3	26.8	23.3	26.0	18
20	21.1	28.5	27.5	27.1	27.5	26.0	24.3	24.3	21.1	23.5	20
22	18.2	25.8	25.4	25.5	24.8	23.7	22.4	22.1	19.1	21.5	22
24	16.3	23.3	22.2	23.5	22.5	21.7	20.6	20.2	17.6	19.5	24
26	14.5	20.6	19.5	21.8	20.8	20.0	19.3	18.6	16.3	18.0	26
28	12.5	18.4	17.3	19.5	18.8	18.3	17.8	17.1	15.0	16.6	28
30	11.6	16.4	15.4	17.6	16.9	16.0	16.7	15.8	13.8	15.3	30
32	10.8	14.8	13.7	15.9	15.2	14.7	15.4	14.6	12.8	14.1	32
34		13.0	12.3	14.5	13.8	13.2	14.5	13.4	11.9	13.2	34
36		12.0	11.0	13.2	12.5	12.0	13.5	12.4	11.2	12.2	36
38						10.5	12.4	11.3	10.4	11.0	38
40						9.5	11.4	10.3	9.7	10.0	40
42										9.0	42
44										8.0	44
46										7.6	46
48											48
50											50
52											52
54											54
56											56
58											58
60											60
Number of lines	6	6	6	5	5	6	5	5	5	4	Number of lines
II	45	90	90	45	45	90	45	45	0	90	II
III	90	45	90	45	45	90	45	90	45	90	III
IV	90	45	90	45	90	45	45	90	90	90	IV
V	0	45	0	45	90	45	90	90	90	45	V
VI	0	45	0	90	0	45	90	0	90	45	VI

Boom Operating Condition(outriggers extended with 76.8t counterweight)

Range（m）	Main boom									Range（m）
	53.03	53.03	53.03	57.84	57.8	57.84	57.84	62.66	68	
7										7
8										8
9										9
10	36.9	34.6	39.8							10
11	35.0	32.8	37.7	31.0	28.8	29.9	30.7			11
12	32.8	30.9	35.3	31.0	27.2	28.5	29.2			12
14	29.5	27.7	32.0	28.0	24.7	25.8	26.5	24.3	19.0	14
16	26.5	25.1	29.1	26.0	22.6	23.4	24.5	22.6	17.8	16
18	24.0	22.7	26.8	23.3	20.6	21.6	22.5	21.0	16.7	18
20	22.2	21.0	24.6	21.0	19.0	19.7	20.8	19.5	15.6	20
22	20.1	19.1	22.8	19.0	17.5	18.2	19.1	18.0	14.7	22
24	18.5	17.7	21.0	17.4	16.1	16.9	17.6	16.8	13.7	24
26	17.0	16.3	19.3	16.1	15.0	15.7	16.5	15.5	12.9	26
28	16.0	15.0	17.8	15.0	14.0	14.7	15.3	14.5	12.1	28
30	14.8	14.0	16.3	14.0	13.1	13.8	14.4	13.5	11.3	30
32	13.8	13.1	14.7	13.0	12.2	12.7	13.5	12.5	10.6	32
34	12.7	12.2	13.2	12.1	11.5	11.9	12.6	11.8	9.9	34
36	11.9	11.4	12.0	11.2	10.8	11.1	11.8	11.2	9.3	36
38	11.2	10.6	10.9	10.5	10.1	10.4	11.1	10.5	8.7	38
40	10.5	10.0	9.9	9.8	9.5	9.8	10.4	9.9	8.3	40
42	9.9	9.3	9.0	9.1	8.9	9.2	9.8	9.2	7.8	42
44	9.2	8.8	8.2	8.5	8.3	8.6	9.0	8.6	7.3	44
46	9.0	9.2	7.5	7.8	7.8	8.1	8.3	8.0	6.9	46
48				7.2	7.3	7.7	7.6	7.5	6.5	48
50				7.0	6.8	7.2	7.0	7.0	6.1	50
52								6.5	5.6	52
54								6.2	5.1	54
56									4.7	56
58									4.2	58
60									3.2	60
Number of lines	4	3	3	3	3	3	3	2	2	Number of lines
II	45	0	90	90	45	90	90	90	100	II
III	45	90	90	90	90	45	90	90	100	III
IV	90	90	90	90	90	90	45	90	100	IV
V	90	90	90	90	90	90	90	90	100	V
VI	90	90	0	45	90	90	90	90	100	VI

HK36 Jib Operating Condition
(jib length 36m, outriggers extended with 76.8t counterweight)



Jib Operating Condition(jib length 36m,outriggers extended with 76.8t counterweight)

Range (m)	Main boom									Range (m)
	48.2			53			57.8			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	3.9			3.9			3.7			14
16	3.9			3.9			3.7			16
18	3.9			3.9			3.7			18
20	3.6			3.7			3.7			20
22	3.5			3.6			3.6			22
24	3.6			3.6			3.5			24
26	3.4			3.5			3.4			26
28	3.3	2.5		3.4	2.5		3.3			28
30	3.2	2.4		3.3	2.4		3.1	2.4		30
32	3	2.3		3.1	2.3		3	2.3		32
34	2.9	2.2		3	2.2		2.9	2.2		34
36	2.9	2.1		2.9	2.2		2.9	2.1		36
38	2.8	2	1.5	2.8	2.1	1.5	2.8	2.1	1.5	38
40	2.6	2	1.5	2.7	2	1.5	2.7	2	1.5	40
42	2.5	1.9	1.5	2.6	2	1.5	2.6	1.9	1.5	42
44	2.4	1.9	1.5	2.5	1.9	1.5	2.5	1.9	1.5	44
46	2.3	1.8	1.4	2.4	1.8	1.4	2.4	1.8	1.4	46
48	2.2	1.8	1.4	2.3	1.8	1.4	2.3	1.8	1.4	48
50	2.1	1.7	1.4	2.2	1.7	1.4	2.2	1.7	1.4	50
52	2	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4	52
54	1.9	1.6	1.4	2	1.6	1.4	2	1.6	1.4	54
56	1.8	1.6	1.4	1.9	1.6	1.4	2	1.6	1.4	56
58	1.7	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4	58
60	1.6	1.5	1.4	1.7	1.5	1.4	1.8	1.5	1.4	60
62	1.6	1.4	1.4	1.7	1.5	1.4	1.7	1.5	1.4	62
64	1.5	1.4	1.4	1.6	1.5	1.4	1.7	1.5	1.4	64
66	1.4	1.4	1.4	1.5	1.4	1.4	1.7	1.4	1.4	66
68	1.4	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	68
70	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	70
72	1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	72
74	1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	74
76				1.4	1.4		1.4	1.4	1.4	76
78				1.4	1.4		1.4	1.4		78
80							1.3	1.4		80
82							1.1	1.3		82
84										84
86										86
Number of lines	1	1	1	1	1	1	1	1	1	Number of lines
II	90	90	90	90	90	90	90	90	90	II
III	90	90	90	90	90	90	90	90	90	III
IV	45	45	45	90	90	90	90	90	90	IV
V	45	45	45	45	45	45	90	90	90	V
VI	45	45	45	45	45	45	45	45	45	VI

Jib Operating Condition(jib length 36m,outriggers extended with 76.8t counterweight)

Range (m)	Main boom						Range (m)
	62.7			68			
	0°	20°	40°	0°	20°	40°	
14							14
16	3.2						16
18	3.2			2.9			18
20	3.2			2.9			20
22	3.2			2.9			22
24	3.2			2.9			24
26	3.1			2.9			26
28	3			2.8			28
30	2.9			2.8			30
32	2.9	2.2		2.7	2.1		32
34	2.8	2.1		2.6	2		34
36	2.7	2		2.5	1.9		36
38	2.6	2		2.5	1.9		38
40	2.5	1.9	1.4	2.4	1.9		40
42	2.4	1.9	1.4	2.3	1.8	1.5	42
44	2.4	1.8	1.4	2.2	1.8	1.5	44
46	2.3	1.8	1.4	2.2	1.7	1.4	46
48	2.2	1.7	1.4	2.1	1.7	1.4	48
50	2.1	1.7	1.4	2	1.7	1.4	50
52	2	1.6	1.4	2	1.6	1.4	52
54	2	1.6	1.4	1.9	1.6	1.4	54
56	1.9	1.6	1.4	1.8	1.5	1.4	56
58	1.8	1.5	1.4	1.8	1.5	1.4	58
60	1.8	1.5	1.4	1.7	1.5	1.4	60
62	1.7	1.5	1.4	1.7	1.5	1.4	62
64	1.7	1.5	1.4	1.7	1.4	1.4	64
66	1.6	1.4	1.4	1.6	1.4	1.4	66
68	1.6	1.4	1.4	1.6	1.4	1.3	68
70	1.6	1.4	1.4	1.5	1.4	1.3	70
72	1.5	1.3	1.4	1.5	1.4	1.3	72
74	1.5	1.3	1.4	1.5	1.3	1.3	74
76	1.4	1.3	1.4	1.4	1.3	1.3	76
78	1.4	1.3	1.4	1.4	1.3	1.3	78
80	1.3	1.3	1.4	1.2	1.3	1.3	80
82	1.1	1.3		1.0	1.3	1.3	82
84							84
86							86
Number of lines	1	1	1	1	1	1	Number of lines
II	90	90	90	100	100	100	II
III	90	90	90	100	100	100	III
IV	90	90	90	100	100	100	IV
V	90	90	90	100	100	100	V
VI	90	90	90	100	100	100	VI

1. Values listed in the table refer to rated lifting capacity measured at flat and solid gound under the lever state of the crane;
2. Rated load values determined by stability shall comply with ISO 4305;
3. Rated lifting capacity listed in the table included weights of lifting hooks
4. Rated lifting capacity with pulley at boom tip shall not exceed 3500kg
5. If actual boom length and range are between two values specified in the table, larger value will determine the lifting capacity.

TRUCK CRANE

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

STC300S
Maximum Load Capacity: 30t
Telescopic Boom: 5 Sections, 10.6-40.5m

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

STC600S
Maximum Load Capacity: 60t
Telescopic Boom: 5 Sections, 11.3-43.5m

STC750
Maximum Load Capacity: 75t
Telescopic Boom: 5 Sections, 11.8-45m

STC800S
Maximum Load Capacity: 80t
Telescopic Boom: 5 Sections, 12.2-47m

STC1000
Maximum Load Capacity: 100t
Telescopic Boom: 5 Sections, 13.5-52m

STC1000C
Maximum Load Capacity: 100t
Telescopic Boom: 6 Sections, 13.25-60m

STC1000S
Maximum Load Capacity: 100t
Telescopic Boom: 5 Sections, 12.26-56m

STC1200S
Maximum Load Capacity: 120t
Telescopic Boom: 7 Sections, 12.6-63.5m

STC1300C
Maximum Load Capacity: 130t
Telescopic Boom: 6 Sections, 13.3-60m

STC1600
Maximum Load Capacity: 160t
Telescopic Boom: 6 Sections, 13.4-62m

STC2200
Maximum Load Capacity: 220t
Telescopic Boom: 6 Sections, 14.55-68m

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

SAC2600
Maximum Load Capacity: 260t
Telescopic Boom: 6 Sections, 15.65-73m

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

ROUGH-TERRAIN CRANE

SRC250
Maximum Load Capacity: 25t
Telescopic Boom: 4 Sections, 9.9-31.5m

SRC350
Maximum Load Capacity: 35t
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, 11.5-43m

SRC750
Maximum Load Capacity: 75t
Telescopic Boom: 5 Sections, 11.8-45m

SRC1200
Maximum Load Capacity: 120t
Telescopic Boom: 5 Sections, 13-48m

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Version: 2016.1

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