

SENEBOGEN

PRELIMINARY



283 kW (Stage V)
254 kW (Stage III)



180 t / 200 t



MAX CAB

5500G

Crawler crane

Stage V

5500G Advanced. The G-Series.



1976-1995: S 1225 crawler crane with fly boom to lift casing boards

What makes up the G-Series

- 50 years of experience in construction of lattice boom and crawler cranes
- Uncompromisingly high performance in all areas
- Technology that can be mastered: High-quality components without over-engineering
- Long product service life and high value retention

Your top benefits:

1

Green Efficiency

Save fuel - reduce operating costs
Work quietly - protect operator and environment



2

Top-level performance

Robust boom system - operates up to a 4° tilt

3

Maximum operating comfort

Comfortable Maxcab operator cab - relaxed work
SENCON - SENNEBOGEN Control System



4

Flexibility in use

Driving under load - low space requirement
Strong undercarriage traction - good all-terrain mobility

5

Easy transport

Star-Lifter undercarriage - quickly ready for use
Ballast support system - short set-up time

6

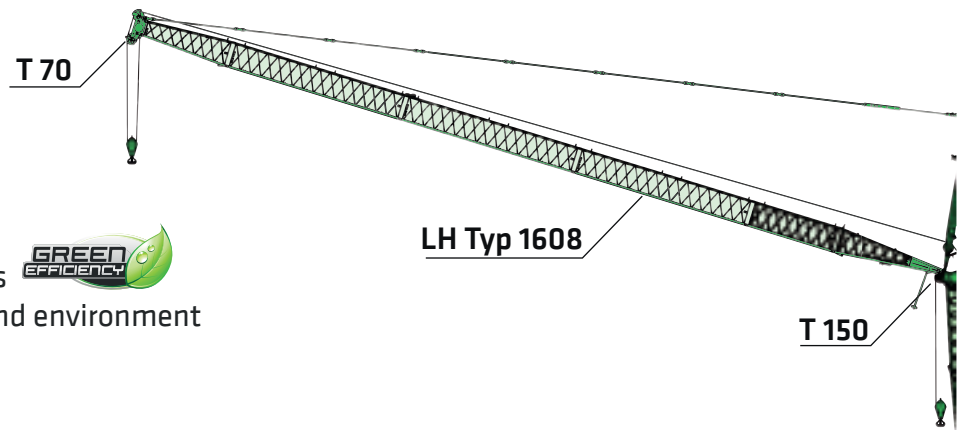
Maintenance and service made easy

Easy fault diagnosis - central measuring points
Easy maintenance - clear labeling

7

Consultation and support

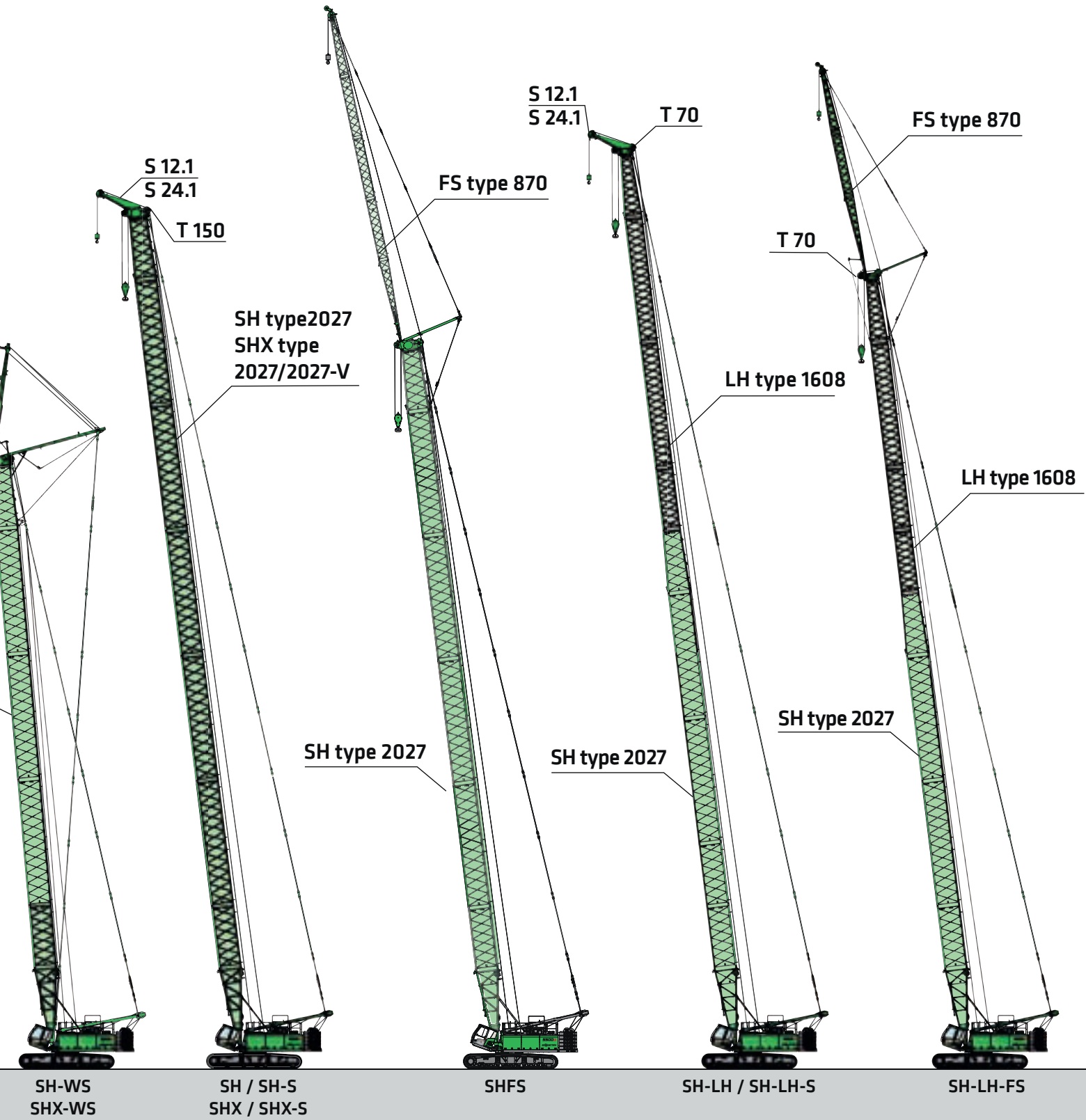
3 production sites - 2 subsidiaries
150 sales partners - over 350 service stations



SH type 2027
SHX type 2027/2027-V

Subject to change. Additional options available upon request.

5500G



5500G Technical data, equipment

MACHINE TYPE

Model (type) **5500**

ENGINE

Model	Cummins L9, Stage V: Rated Power: 272 kW / 370 PS at 2100 rpm Operating Point: 283 kW / 385 PS at 1800 rpm Cummins QSL9, Stage IIIa: Rated Power: 227 kW / 309 PS at 2000 rpm Operating Point: 254 kW / 345 PS at 1800 rpm
Cooling	Water-cooled
Diesel filter	With water separator
Air filter	Dry filter with pre-separator, automatic dust discharge, main element and safety element, contamination indicator
Fuel tank	785 l (center of the sight glass)
AdBlue Tank	75 l
Electr. system	24 V
Electric installation	Easy and very clear
Batteries	2 x 155 Ah , main switch
Options	<ul style="list-style-type: none"> ■ Low-temperature package with engine pre-heating and heated diesel filter ■ Electric fuel pump

UPPERCARRIAGE

Design	Torsion-resistant box design, precision crafted, bronze bushings for boom bearing arrangement, clear and very service-friendly concept, engine installed in the longitudinal direction, ballast support fixture (for 60 t upper carriage ballast)
Electrical system	Central electrical distributor
Lighting	LED headlights for optimal illumination of the work area
Safety	Camera monitoring of the rear area and on the right side
Options	<ul style="list-style-type: none"> ■ Maritime climate varnish as corrosion protection ■ Low temperature package ■ Ballast support fixture ■ Pinion tooth lubrication for slewing ring, outer ■ Automatic central lubrication system for equipment and slewing ring ■ Further cameras on customer request ■ Uppercarriage railing right + left

HYDRAULIC SYSTEM

Multi-circuit hydraulic system for optimal function and capacity, all movements can be run simultaneously.	
Pump type	The hydraulic pumps are variable displacement piston pumps with individual control and energy-saving flow-on-demand control.
Pump control	The pumps only supply as much oil as is actually consumed. Pressure cut-off, load limit sensing control
Operating pressure	max. 330 bar
Filtration	High-performance filtration with long-term change interval, contamination indicator
Hydraulic tank	max: 750 l / 575 l (center of the sight glass)
Control system	Proportional, precision hydraulic servo control of the movements, 2 servo joysticks for work functions, supplemental functions via switches and foot pedals – arranged clearly and ergonomically. High energy efficiency due to large-dimensioned hydraulic valves and lines. Measurement connections in the hydraulic circuits
Sicherheit	Hydraulic circuits secured with safety valves
Options	<ul style="list-style-type: none"> ■ Bio-oil ■ SENNEBOGEN HydroClean micro-filter system with water separator

SLEWING DRIVE

Gearbox	Compact planetary gear with slant-axis hydraulic motor, integrated brake valves
Slewing gear brake	Spring-loaded multi-disk brake
Slewing ring	Roller bearing rotary connection with exterior gearing
Slewing speed	0-2.5 rpm , 3 adjustable slewing speeds
Options	<ul style="list-style-type: none"> ■ Positioning slewing gear brake

5500G Technical data, equipment

CAB

Cab type	Maxcab, tiltable 20°
Cab equipment	Sliding door, sliding window in operator door, excellent ergonomics, approx. 0.8 m outwards and hydraulically inclinable approx. 20° backwards, automatic air conditioning, seat heater, air-suspension comfort seat, fresh air/circulating air filter, 12 V/24 V connections, SENCON, sunblind for skylight
Options	<ul style="list-style-type: none"> ■ Auxiliary heating system with timer ■ Hydraulically raised cab type E270 ■ Activated-carbon filter for cab ■ Bullet proof skylight, rigidly glazed ■ Bullet proof cab windshield, rigidly glazed ■ Sunblind for windshield ■ Protective roof grating ■ FOPS protective grating ■ Radio with Bluetooth ■ Electric cooling box

ATTACHMENTS

Design	Decades of experience and the latest computer simulations guarantee the greatest degree of stability and life-span
Boom adjustment winch	Slant axis hydraulic motor drive with compact planetary gear and 2 x 87 kN tensile force; rope diameter 22 mm.
Safety brake	Spring-loaded multi-disk brake
Crane safety	Latest generation of load moment monitoring, display shows all important data, lifting limit switch, pressure relief valves, cable exit protection
Boom	SH boom length up to 74.7 m
Optionen	<ul style="list-style-type: none"> ■ SHX-boom with 74.7 m ■ Max. boom length with SHLH equipment: 80.3 m ■ Max. boom length with SHWS equipment- or SHXWS equipment: 52.3 m + 52.3 m ■ Auxiliary jib, for load ratings to 12 t ■ Auxiliary jib, for load ratings to 24 t ■ Fixed jib up to 29.9 m

UNDERCARRIAGE

Design	Very strong Star-Lifter wide-gauge crawler undercarriage, with integrated, protected drive transmission
Travel drive	Strong travel drive with axial piston hydraulic motor and directly attached automatically functioning brake valve and compact planetary gear on each running gear side
Parking brake	Lamellenbremse, über Federn wirkend
Traveling gear	Maintenance-free tractor traveling gear with hydraulic chain tension, 1000 mm flat base plates
Travel speed	0 - 1.4 km/h
Options	<ul style="list-style-type: none"> ■ 1200 mm flat base plates ■ Star-Lifter telescopic undercarriage

WINCH

The winches are driven via high-pressure-regulated adjustable hydraulic motors, thus there is always optimal pulling force speed control. Hydraulic lowering brake valves for sensitive, wear-free braking. Strong oil-bath planetary gear, low-maintenance. Holding brakes are spring-loaded, maintenance-free, low-wear disc brakes running in the oil bath, oil-cooled.

Main winches

Rope winch (rated load) 1st layer	160 kN
Rope diameter	26 mm
Rope speed 1st layer	0 - 105 m/min

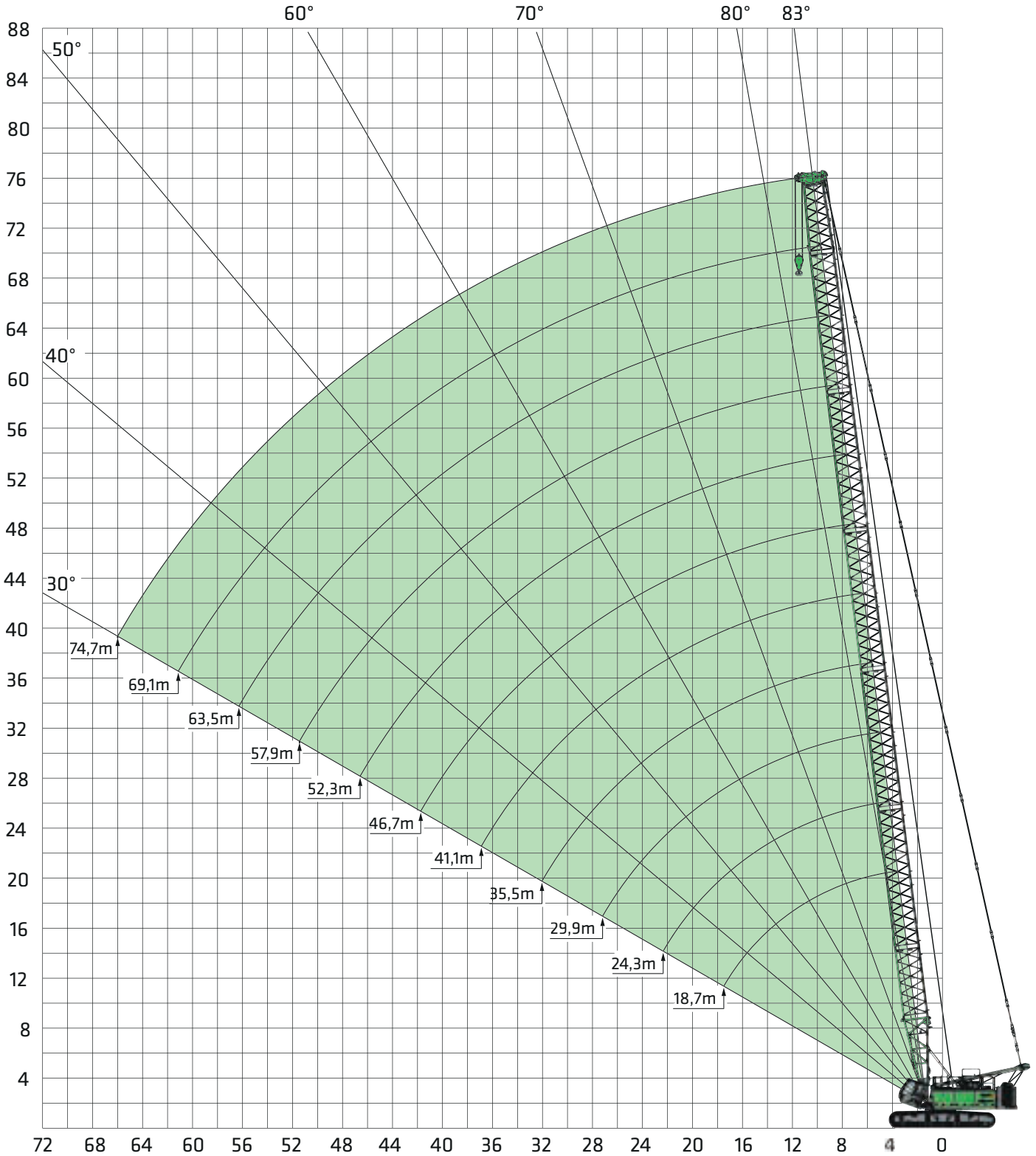
OPERATING WEIGHT

Mass	approx. 166,000 kg 5500 Star-Lifter with 2 hoisting winches, basic boom 18.7 m, counterweight 60 t + 26 t undercarriage counterweight, 1000 mm flat base plates, hoisting rope, and 80 t bottom hook block
Notice	The operating weight varies depending on the version and equipment.

5500G Crane equipment



Main boom SH / SHX



Boom assembly SH / SHX see page 35.

6 Subject to change. See page 7 for notes on load lift charts SH / SHX see page 8.

5500G Load ratings



Main boom SH
180 t version



Outreach [m]	Main boom length [m]											
	13.1	18.7	24.3	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7
4.0	180.0**	160/4.7m*										
5.0	160.0**	146.3	135.0/5.4									
6.0	138.0**	132.9	127.8	116.0/6.1	96.0/6.8							
7.0	119.5**	119.5	115.7	107.2	94.4	79.8/7.5						
8.0	104.3**	106.1	103.6	97.6	87.7	77.2	66.2/8.1	55.2/8.8				
9.0	92.3**	92.7	91.5	88.0	80.9	72.4	63.3	54.8	46.0/9.5			
10.0	78.9**	79.3	79.4	78.4	74.1	67.6	60.0	52.4	45.2	38.4/10.2	31.7/10.9	
11.0	68.7**	69.0	69.0	68.9	67.4	62.9	56.7	50.1	43.5	37.4	31.6	26.5/11.6
12.0	60.5**	60.9	60.9	60.8	60.6	58.1	53.4	47.7	41.8	36.2	30.7	26.2
13.0	53.9**	54.4	54.4	54.3	54.1	53.3	50.1	45.4	40.1	35.0	29.8	25.6
14.0		49.2	49.1	49.0	48.8	48.6	46.7	43.0	38.5	33.8	29.0	24.9
15.0		44.7	44.7	44.5	44.4	44.1	43.4	40.7	36.8	32.6	28.1	24.2
16.0		41.0	41.0	40.8	40.6	40.3	40.1	38.3	35.1	31.4	27.2	23.6
17.0		37.8	37.8	37.6	37.4	37.1	36.8	36.0	33.5	30.2	26.4	22.9
18.0		35.0	35.0	34.8	34.6	34.3	34.0	33.6	31.8	28.9	25.5	22.3
19.0			32.6	32.3	32.1	31.8	31.6	31.3	30.1	27.7	24.6	21.6
20.0			30.4	30.2	30.0	29.7	29.4	29.1	28.4	26.5	23.8	21.0
22.0			26.7	26.5	26.3	26.0	25.7	25.4	25.1	24.1	22.0	19.7
24.0			25.3/22.9	23.6	23.4	23.1	22.8	22.4	22.1	21.7	20.3	18.4
26.0				21.1	20.9	20.6	20.3	20.0	19.6	19.3	18.5	17.1
28.0				19.3/27.7	18.9	18.6	18.3	17.9	17.6	17.2	16.8	15.7
30.0					17.1	16.8	16.5	16.1	15.8	15.4	15.1	14.4
32.0					15.6	15.3	15.0	14.6	14.3	13.9	13.6	13.1
34.0					15.1/32.6	13.9	13.6	13.3	12.9	12.6	12.2	11.8
36.0						12.8	12.5	12.1	11.8	11.4	11.0	10.7
38.0						12.0/37.5	11.4	11.1	10.7	10.4	10.0	9.6
40.0							10.5	10.1	9.8	9.4	9.1	8.7
42.0							9.7	9.3	9.0	8.6	8.2	7.8
44.0							9.5/42.3	8.6	8.2	7.8	7.5	7.1
46.0								7.9	7.5	7.2	6.8	6.4
48.0								7.5/47.2	6.9	6.5	6.2	5.8
50.0									6.3	6.0	5.6	5.2
52.0									5.8	5.4	5.1	4.7
54.0										4.9	4.6	4.2
56.0										4.5	4.1	3.7
58.0										4.3/56.9	3.7	3.3
60.0											3.3	2.9
62.0											3.0/61.7	2.5
64.0												2.2
66.0												1.9
68.0												1.8/66.6
Number of strands	15	13	12	10	8	7	6	5	4	4	3	3

Comments:

- The specified load ratings apply to a level and stable stance of the machine.
- Load ratings are in tons and apply to 360 degrees.
- The load ratings take into account the standards DIN 15019/2 and ISO 4305 (tilting angle 4°)
- Deduct the weight of the load handling devices (hook, suspension gear) from the load ratings.
- The load ratings apply to the maximum undercarriage track width.
- Load ratings must be limited or reduced when conditions are unfavorable, such as soft or uneven ground, slopes, wind, lateral loads, swinging loads, jerking, or sudden stopping of load, operator inexperience, driving with load.
- Permissible rope pull per strand in crane mode for winch diameter 26 mm – 12,000 kg
- Load ratings apply to the boom assembly in accordance with the operating manual.
- Load ratings apply to optimum boom assembly and a pulley head with plastic pulleys.
- The specified load ratings are only for orientation. See the operating manual for the respective valid load ratings.
- Values indicated with * or ** apply only with special equipment or a special boom attachment.

5500G Load ratings



Main boom SHX
200 t version



Outreach [m]	Main boom length [m]											
	13.1	18.7	24.3	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7
4.0	200.0*											
4.5	182.0*	176.0/4.7*										
5.0	165.0*	165.0	155.0/5.3*									
5.5	151.0*	151.0	150.0									
6.0	139.0*	139.0	138.0	137.0								
6.5	129.0*	128.0	128.0	127.0	121.0/6.7*							
7.0	120*	119.0	119.0	118.0	118.0	100.0/7.4						
7.5	112.0*	112.0	111.0	111.0	110.0	99.4						
8.0	93.6*	105.0	104.0	104.0	103.0	98.4	83.2/8.1	68.4/8.7				
9.0	84.3*	93.2	92.7	92.2	91.7	91.3	83.1	68.3	57.4/9.4			
10.0	76.6*	83.9	83.4	82.9	82.4	82.0	80.1	68.2	57.3	47.6/10.1	40.5/10.8	
11.0	70.2*	76.2	75.7	75.2	74.7	74.3	72.4	66.5	56.0	46.9	39.9	33.9/11.5
12.0	64.7*	69.7	69.2	68.7	68.2	67.8	65.9	63.4	54.4	45.5	38.7	32.4
13.0	63.8/13.2*	64.2	63.7	63.2	62.2	62.3	60.4	58.2	52.8	44.2	37.5	31.5
14.0		59.5	59.0	58.5	58.0	57.6	55.7	53.7	51.3	43.0	36.4	30.5
15.0		55.4	54.9	54.3	53.8	53.4	51.6	49.8	48.1	41.8	35.4	29.6
16.0		51.8	51.3	50.7	50.2	49.7	47.9	46.3	44.8	40.7	34.4	28.8
18.0		44.7	44.3	43.8	43.3	43.0	41.9	40.5	39.2	37.9	32.6	27.2
20.0			38.5	38.0	37.6	37.2	36.9	35.9	34.7	33.5	31.0	25.8
22.0			34.0	33.4	32.9	32.6	32.3	32.0	31.0	29.9	28.8	24.5
24.0			32.3/22.9	29.7	29.2	28.8	28.6	28.3	27.8	26.9	25.8	23.4
26.0				26.7	26.2	25.8	25.5	25.2	24.9	24.3	23.3	22.3
28.0				24.5/27.7	23.6	23.2	22.9	22.6	22.3	21.9	21.1	20.3
30.0					21.4	21.0	20.6	20.3	20.1	19.7	19.2	18.4
32.0					19.6	19.1	18.7	18.4	18.1	17.8	17.4	16.8
34.0					19.1/32.6	17.5	17.1	16.8	16.5	16.1	15.7	15.3
36.0						16.0	15.7	15.3	15.0	14.6	14.2	13.9
38.0						15.1/37.4	14.4	14.0	13.7	13.3	12.9	12.5
40.0							13.3	12.9	12.5	12.1	11.7	11.4
42.0							12.3	11.8	11.5	11.1	10.7	10.3
44.0							12.2/42.3	10.9	10.6	10.2	9.7	9.4
46.0								10.1	9.7	9.3	8.9	8.5
48.0								9.7/47.1	9.0	8.5	8.1	7.7
50.0									8.3	7.8	7.4	7.0
52.0									7.7	7.2	6.7	6.3
54.0										6.6	6.1	5.7
56.0										6.1	5.6	5.2
58.0										5.8/56.8	5.1	4.7
60.0											4.6	4.2
62.0											4.3/61.7	3.7
64.0												3.3
66.0												3.0
68.0												2.9/66.5
70.0												
Number of strands	19	17	14	12	11	9	7	6	5	4	4	3

- Notes:**
- The rated loads shown are based on the machine on firm level ground without travelling.
 - The rated loads shown are in metric tons valid for 360 degrees swing.
 - Liftcrane capacities are calculated to comply with ISO 4305 table 1+2 and the tilting angle method (tilting angle 4 deg.)
 - The rated loads shown include the weight of all lifting attachments, such as hook and bucket.
 - In operation crawler must be extended.
 - The users must derate or limit the lifted loads to allow for adverse conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel and travelling with a load.
 - Max. single line pull for crane operation with rope diameter 26 mm - 12.500 kg.
 - Loads are valid for the SHX-boom including reinforced inserts.
 - Lifting chart values apply to optimum boom assembly androlley head with plastic trolleys.
 - The specified load ratings are only for orientation. See the operating manual for the respectively valid load ratings.
 - Values marked with* are only possible with special equipment.

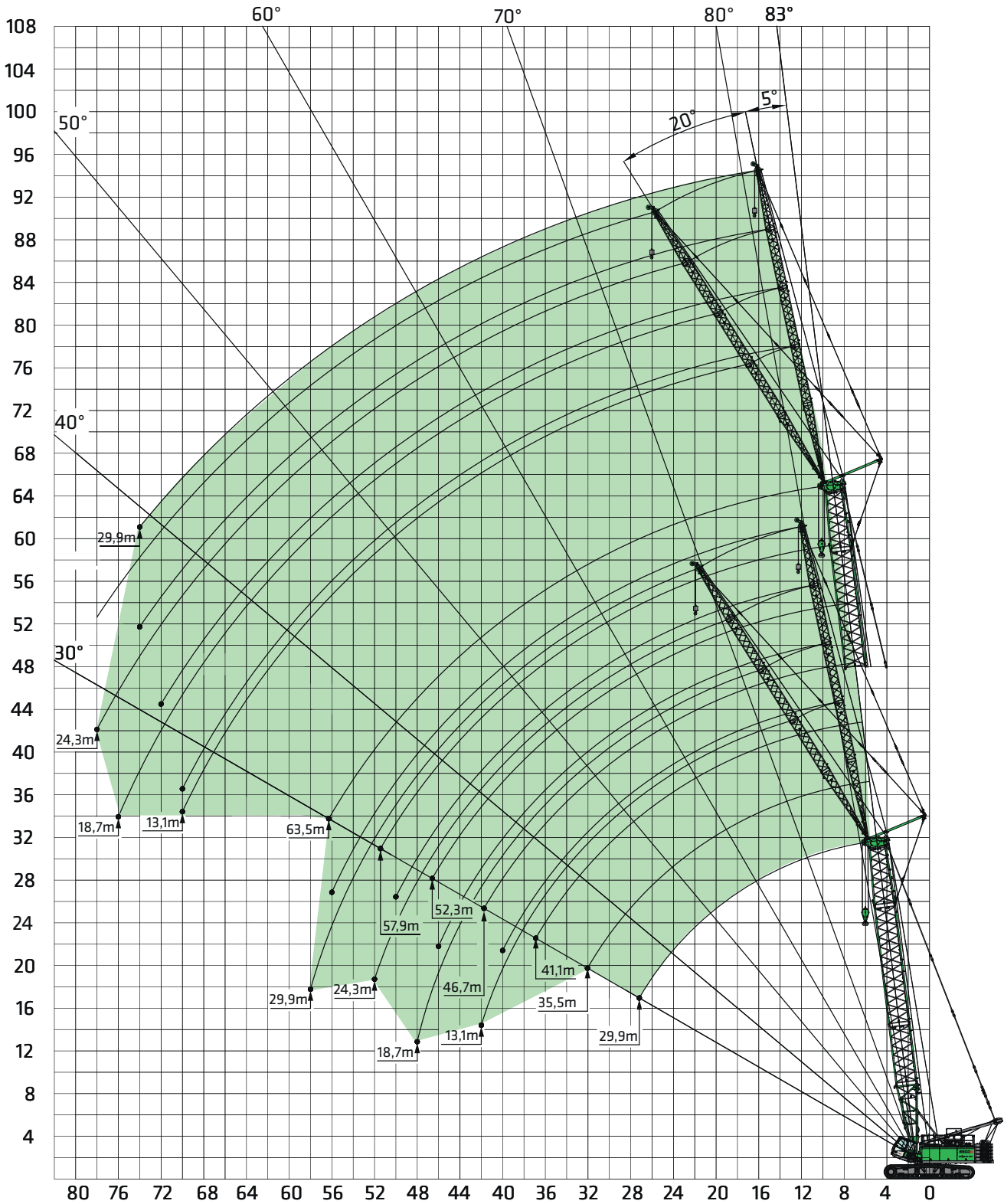
8 Subject to change.



5500G Crane equipment



Main boom SHFS



Boom assembly see page 35.

10 Subject to change. See page 7 for notes on load lift charts.

5500G Load ratings



**Main boom SHFS with fly jib FS
Jib 5° Offset**



5° Outreach [m]	Main boom length [m]															
	35.5				46.7				57.9				63.5			
	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9
8.0																
9.0	22.8/9.9															
10.0	22.5	19.9/10.4			22.8/10.6											
11.0	22.0	19.6	14.3/11.5		22.6	17.9/11.7										
12.0	21.6	19.0	14.2	9.5/12.7	22.1	17.7	13.1/12.9		20.8				18.7/12.6			
13.0	21.2	18.5	13.8	9.4	21.7	17.3	13.1		20.4	15.3/13.1			18.6	13.8/13.8		
14.0	20.7	17.9	13.5	9.3	21.2	16.9	12.8	8.9	20.0	15.0	11.5/14.3		18.4	13.7		
15.0	20.3	17.4	13.1	9.1	20.7	16.5	12.5	8.8	19.6	14.8	11.4	8.2/15.4	18.1	13.5	10.5	
16.0	19.9	16.8	12.8	8.9	20.3	16.1	12.3	8.6	19.3	14.5	11.1	8.1	17.8	13.5	10.3	7.8
17.0	19.5	16.3	12.5	8.7	19.9	15.7	12.0	8.5	18.9	14.2	10.9	8.0	17.6	13.1	10.1	7.7
18.0	19.1	15.8	12.2	8.5	19.4	15.4	11.7	8.3	18.5	13.9	10.8	7.9	17.3	12.9	10.0	7.6
19.0	18.7	15.3	11.8	8.3	19.0	15.0	11.5	8.2	18.2	13.7	10.6	7.7	17.1	12.7	9.8	7.5
20.0	18.3	14.9	11.5	8.2	18.6	14.6	11.2	8.0	17.8	13.4	10.4	7.6	16.8	12.5	9.7	7.4
22.0	17.6	14.0	10.9	7.8	17.8	13.9	10.7	7.8	17.1	12.9	10.0	7.4	16.3	12.1	9.4	7.2
24.0	16.8	13.1	10.4	7.5	17.0	13.2	10.3	7.5	16.5	12.4	9.6	7.2	15.8	11.7	9.1	7.0
26.0	16.1	12.3	9.8	7.2	16.3	12.6	9.8	7.2	15.8	11.9	9.3	7.0	15.3	11.3	8.8	6.8
28.0	15.4	11.5	9.3	6.9	15.5	11.9	9.4	7.0	15.2	11.5	8.9	6.8	14.8	10.9	8.5	6.6
30.0	14.7	10.8	8.8	6.6	14.8	11.4	9.0	6.7	14.6	11.0	8.6	6.6	14.2	10.5	8.3	6.4
32.0	14.0	10.2	8.4	6.3	14.2	10.8	8.6	6.5	13.4	10.6	8.3	6.4	12.9	10.1	8.0	6.3
34.0	13.3	9.6	7.9	6.1	13.0	10.2	8.2	6.2	12.0	10.2	8.0	6.2	11.6	9.8	7.8	6.1
36.0	12.7	9.0	7.5	5.8	11.8	9.7	7.8	6.0	10.8	9.8	7.7	6.0	10.4	9.4	7.5	5.9
38.0	11.7	8.5	7.1	5.6	10.8	9.3	7.5	5.8	9.8	9.4	7.4	5.8	9.3	9.1	7.3	5.8
40.0	10.8	8.1	6.8	5.4	9.8	8.8	7.1	5.6	8.9	9.0	7.1	5.6	8.4	8.6	7.0	5.6
42.0	10.0	7.7	6.4	5.1	9.0	8.4	6.8	5.4	8.0	8.2	6.8	5.4	7.6	7.8	6.8	5.4
44.0	9.2	7.3	6.1	4.9	8.3	8.0	6.5	5.2	7.3	7.5	6.6	5.3	6.8	7.0	6.6	5.3
46.0	9.0/44.6	7.1	5.9	4.8	7.6	7.6	6.2	5.0	6.6	6.8	6.3	5.1	6.1	6.3	6.4	5.1
48.0		6.8	5.6	4.6	7.0	7.1	6.0	4.8	6.0	6.1	6.1	5.0	5.5	5.7	6.0	5.0
50.0		6.6/49.6	5.4	4.4	6.4	6.5	5.7	4.7	5.4	5.6	5.9	4.8	4.9	5.1	5.5	4.8
52.0			5.2	4.3	5.9	6.0	5.5	4.5	4.9	5.1	5.4	4.7	4.4	4.6	4.9	4.7
54.0			5.0	4.1	5.4	5.6	5.3	4.3	4.4	4.6	4.9	4.5	3.9	4.1	4.4	4.5
56.0			4.9/54.7	4.0	5.4/54.2	5.1	5.1	4.2	4.0	4.1	4.4	4.4	3.5	3.7	4.0	4.1
58.0				3.9		4.7	4.8	4.1	3.6	3.7	4.0	4.1	3.1	3.3	3.6	3.7
60.0				3.8/59.8		4.5/59.3	4.4	3.9	3.2	3.3	3.6	3.7	2.7	2.9	3.2	3.3
62.0							4.1	3.8	2.8	3.0	3.3	3.4	2.4	2.5	2.8	2.9
64.0							3.7	3.7	2.5	2.7	2.9	3.0	2.0	2.2	2.5	2.6
66.0							3.7/64.4	3.6		2.4	2.6	2.7	1.7	1.9	2.2	2.3
68.0								3.3		2.1	2.3	2.4	1.5	1.6	1.9	2.0
70.0								3.1/69.5		1.9/69.0	2.0	2.1	1.4/68.8	1.3	1.6	1.7
72.0											1.8	1.8		1.1	1.3	1.4
74.0											1.5	1.6			1.1	1.2
76.0											1.5/74.1	1.4				
78.0												1.1				
80.0												1.0/79.1				
Number of strands	2	2	2	1	2	2	2	1	2	2	2	1	2	2	2	1

Nr. 5500R-75/2987/60.0/11.11 SHFS 5

5500G Load ratings



Main boom SHFS with fly jib FS
Jib 25° Offset



25° Outreach [m]	Main boom length [m]															
	35.5				46.7				57.9				63.5			
	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9
8.0																
9.0																
10.0																
11.0																
12.0																
13.0	18.1/13.4															
14.0	17.7				16.2/14.8											
15.0	17.1				16.2											
16.0	16.6	12.2/16.4			15.7				14.5/16.1				13.6/16.8			
17.0	16.1	11.9			15.3	10.8/17.7			14.2				13.5			
18.0	15.6	11.6			14.9	10.8			13.9				13.3			
19.0	15.1	11.2	8.6/19.3		14.5	10.5			13.6	9.9/19.1			13.0	9.4/19.8		
20.0	14.6	10.9	8.5		14.1	10.2	7.8/20.7		13.3	9.7			12.8	9.4		
22.0	13.7	10.3	8.0	6.5/22.3	13.4	9.8	7.6	5.9/23.7	12.8	9.3	7.2		12.3	9.0	6.8/22.8	
24.0	12.9	9.7	7.6	6.2	12.7	9.3	7.2	5.9	12.2	8.9	6.9	5.2/25.0	11.9	8.7	6.7	5.2/25.7
26.0	12.1	9.1	7.2	5.9	12.1	8.9	6.9	5.6	11.7	8.6	6.7	5.4	11.4	8.3	6.4	5.2
28.0	11.4	8.6	6.8	5.7	11.5	8.5	6.6	5.4	11.2	8.2	6.4	5.2	11.0	8.0	6.2	5.0
30.0	10.8	8.2	6.4	5.4	10.9	8.1	6.3	5.2	10.7	7.9	6.2	5.0	10.6	7.7	6.0	4.8
32.0	10.3	7.7	6.1	5.1	10.4	7.7	6.0	5.0	10.3	7.6	5.9	4.9	10.1	7.4	5.8	4.6
34.0	9.8	7.3	5.8	4.9	9.9	7.4	5.8	4.8	9.9	7.3	5.7	4.7	9.7	7.1	5.6	4.5
36.0	9.4	7.0	5.5	4.7	9.4	7.0	5.5	4.6	9.5	7.0	5.5	4.5	9.3	6.9	5.4	4.3
38.0	9.0	6.7	5.2	4.5	9.1	6.7	5.3	4.4	9.1	6.7	5.3	4.4	9.0	6.6	5.2	4.1
40.0	8.8	6.4	5.0	4.3	8.7	6.5	5.1	4.3	8.8	6.5	5.1	4.2	8.6	6.4	5.0	4.0
42.0	8.6	6.2	4.8	4.1	8.4	6.2	4.9	4.1	8.5	6.2	4.9	4.1	8.2	6.1	4.8	3.9
44.0	8.4	6.0	4.6	3.9	8.1	6.0	4.7	3.9	7.9	6.0	4.7	3.9	7.5	5.9	4.7	3.7
46.0	8.3/45.7	5.9	4.4	3.8	7.9	5.8	4.5	3.8	7.1	5.8	4.5	3.8	6.7	5.7	4.5	3.6
48.0		5.8	4.3	3.6	7.3	5.6	4.3	3.6	6.5	5.7	4.4	3.7	6.1	5.5	4.4	3.5
50.0		5.7	4.2	3.5	6.7	5.5	4.2	3.5	5.9	5.5	4.2	3.5	5.5	5.3	4.2	3.4
52.0		5.7/51.3	4.1	3.4	6.1	5.3	4.1	3.4	5.3	5.3	4.1	3.4	4.9	5.2	4.1	3.2
54.0			4.0	3.3	5.6	5.2	3.9	3.3	4.8	5.2	4.0	3.3	4.4	5.0	4.0	3.1
56.0			4.0	3.2	5.3/55.4	5.1	3.8	3.2	4.3	4.9	3.9	3.2	3.9	4.5	3.9	3.0
58.0			4.0/56.9	3.1		5.1	3.7	3.1	3.9	4.4	3.8	3.1	3.5	4.0	3.8	3.0
60.0				3.0		4.7	3.6	3.0	3.5	4.0	3.7	3.0	3.0	3.6	3.7	2.9
62.0				3.0		4.5/61.0	3.6	2.9	3.1	3.6	3.6	2.9	2.7	3.2	3.6	2.8
64.0				2.9/62.5			3.6	2.8	2.7	3.2	3.5	2.9	2.3	2.8	3.2	2.7
66.0							3.5	2.7	2.5/65.1	2.8	3.2	2.8	2.0	2.5	2.8	2.7
68.0							3.5/66.6	2.7		2.5	2.8	2.7	1.7	2.1	2.5	2.6
70.0								2.6		2.2	2.5	2.7	1.4	1.8	2.1	2.5
72.0								2.6		2.1/70.7	2.2	2.5		1.5	1.8	2.1
74.0								2.6/72.2			1.9	2.2		1.2	1.5	1.8
76.0											1.6	1.9		1.0/75.6	1.2	1.5
78.0											1.5/76.3	1.6			1.0	1.3
80.0												1.3				1.0
82.0												1.1/81.8				
Number of strands	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1

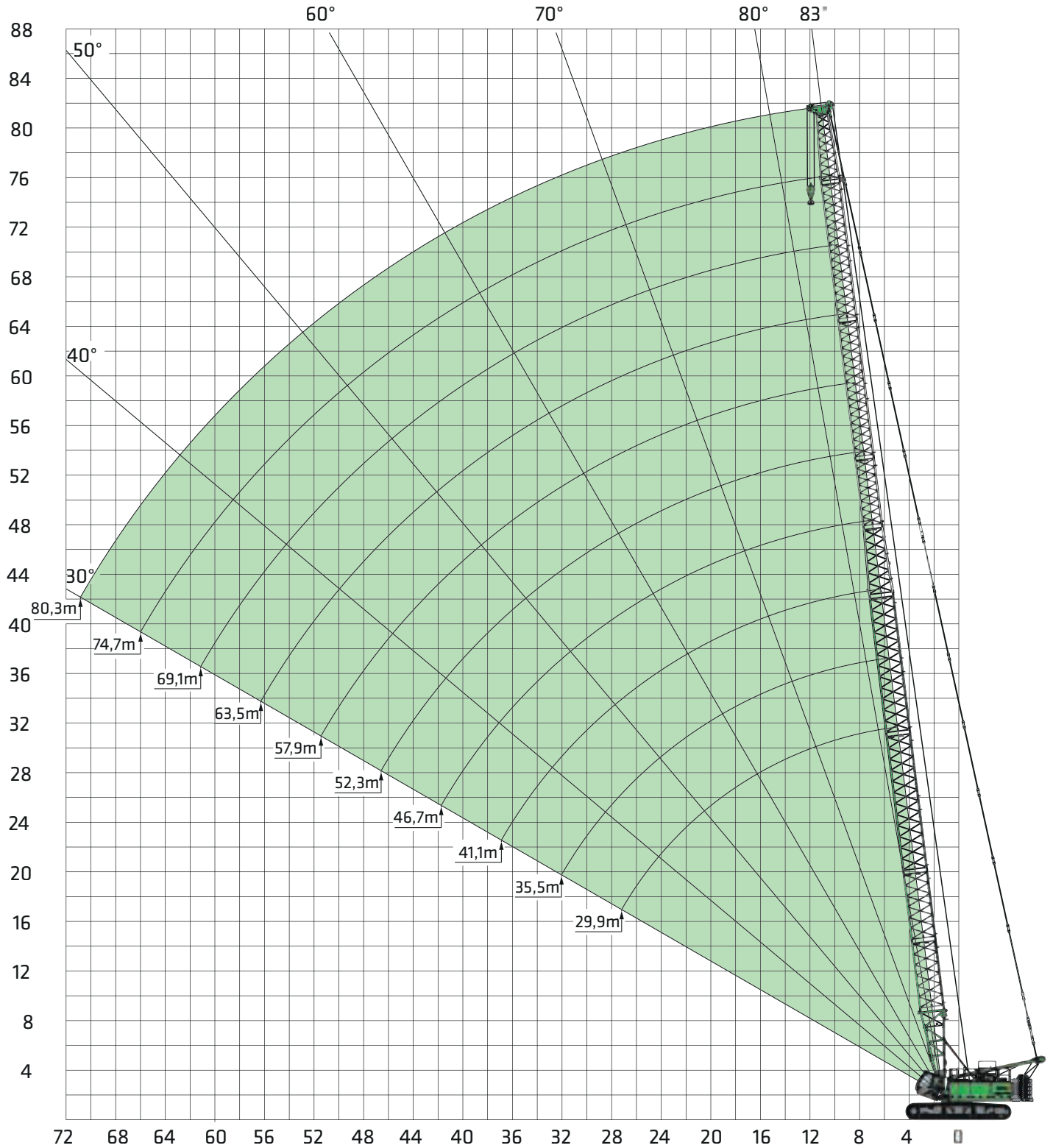
Nr. 5500R-75/2987/60.0/11.11 SHFS 25



5500G Crane equipment



Main boom SHLH



Boom assembly see page 36.

5500G Load ratings



Main boom SHLH



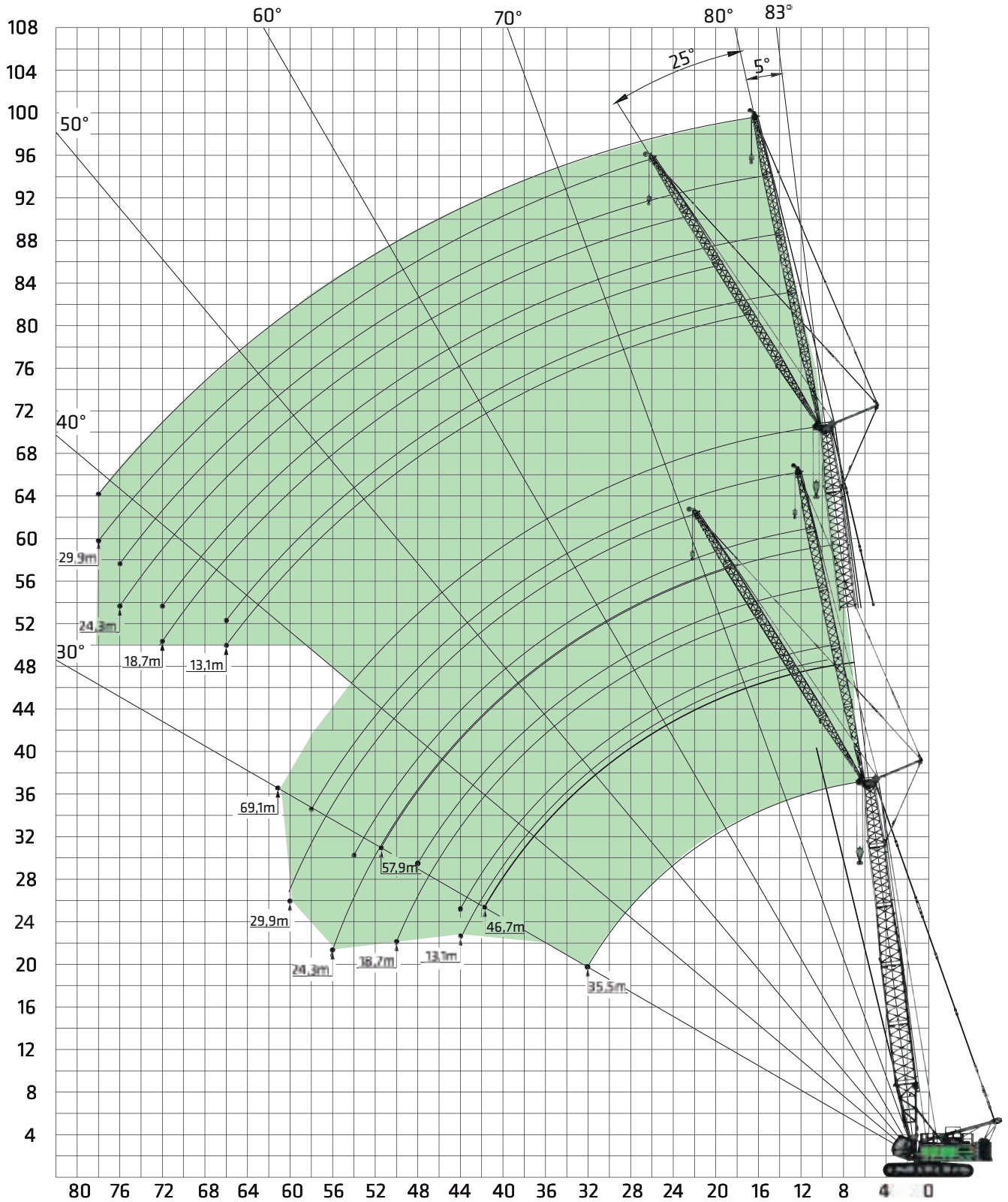
Outreach [m]	Main boom length [m]									
	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7	80.3
4.7										
5.0	70.0 / 5.8									
6.0	70.0	70.0 / 6.5								
7.0	70.0	70.0	70.0 / 7.2	59.1 / 7.8						
8.0	70.0	70.0	67.2	58.7	48.5 / 8.5					
9.0	70.0	70.0	63.9	56.3	47.7	39.1 / 9.2	31.5 / 9.9			
10.0	70.0	70.0	60.6	53.8	46.0	38.2	31.4	25.4 / 10.6		
11.0	68.9	68.7	57.2	51.4	44.3	37.1	30.6	25.2	20.5 / 11.3	
12.0	60.9	60.7	53.9	49.0	42.7	36.0	29.9	24.6	20.2	16.5
13.0	54.5	54.3	50.6	46.6	41.0	34.8	29.1	24.1	19.8	16.2
14.0	49.2	49.0	47.3	44.1	39.3	33.7	28.3	23.6	19.4	15.9
15.0	44.8	44.6	44.0	41.7	37.6	32.6	27.6	23.0	19.1	15.6
16.0	41.1	40.9	40.6	39.3	36.0	31.5	26.8	22.5	18.7	15.3
17.0	37.9	37.7	37.5	36.8	34.3	30.3	26.0	21.9	18.3	15.1
18.0	35.2	34.9	34.7	34.4	32.6	29.2	25.3	21.4	17.9	14.8
19.0	32.8	32.5	32.3	32.0	30.9	28.1	24.5	20.9	17.5	14.5
20.0	30.6	30.4	30.1	29.8	29.3	27.0	23.7	20.3	17.1	14.2
22.0	27.0	26.8	26.5	26.2	25.9	24.7	22.2	19.3	16.3	13.6
24.0	24.1	23.9	23.6	23.3	23.0	22.5	20.7	18.2	15.6	13.0
26.0	21.7	21.4	21.2	20.9	20.5	20.2	19.1	17.1	14.8	12.5
28.0	20.0 / 27.6	19.4	19.1	18.8	18.5	18.2	17.6	16.0	14.0	11.9
30.0		17.7	17.4	17.1	16.8	16.4	16.1	15.0	13.2	11.3
32.0		16.2	15.9	15.6	15.3	14.9	14.6	13.9	12.5	10.8
34.0		15.8 / 32.5	14.6	14.3	13.9	13.6	13.2	12.8	11.7	10.2
36.0			13.4	13.1	12.8	12.4	12.1	11.7	10.9	9.6
38.0			12.7 / 37.3	12.1	11.8	11.4	11.1	10.7	10.1	9.0
40.0				11.2	10.8	10.5	10.1	9.8	9.4	8.5
42.0				10.4	10.0	9.7	9.3	9.0	8.6	7.9
44.0				10.3 / 42.2	9.3	8.9	8.6	8.2	7.9	7.3
46.0					8.6	8.3	7.9	7.5	7.2	6.8
48.0					8.3 / 47.0	7.6	7.3	6.9	6.6	6.2
50.0						7.1	6.7	6.4	6.0	5.6
52.0						6.6 / 51.9	6.2	5.8	5.5	5.1
54.0							5.7	5.4	5.0	4.6
56.0							5.3	4.9	4.5	4.2
58.0							5.1 / 56.7	4.5	4.1	3.8
60.0								4.1	3.7	3.4
62.0								3.8 / 61.6	3.4	3.0
64.0									3.0	2.7
66.0									2.7	2.4
68.0									2.6 / 66.4	2.1
70.0										1.8
72.0										1.6 / 71.3
70.0										
Number of strands	6	6	6	5	5	4	3	3	2	2

TAB.-Nr. 5500R-75/2987/60.0/02.01 SHLH

5500G Crane equipment



Main boom SHLH with fly jib FS



Boom assembly see page 36.

5500G Load ratings



Main boom SHLH with fly jib FS
jib 5° Offset



5° Outreach [m]	Main boom length [m]															
	35.5				46.7				57.9				69.1			
	Fly boom length [m]															
	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9
9.0	22.7															
10.0	22.3	19.9														
11.0	21.8	19.3	14.4		22.4											
12.0	21.4	18.7	14.0		21.9	17.6			20.6							
13.0	21.0	18.2	13.7	9.4	21.4	17.2	13.0		20.2	15.2			16.5			
14.0	20.6	17.6	13.3	9.2	21.0	16.7	12.7	8.9	19.8	14.9	11.5		16.2	12.2		
15.0	20.2	17.1	13.0	9.0	20.5	16.3	12.4	8.7	19.4	14.6	11.2	8.2	16.0	12.0		
16.0	19.7	16.6	12.7	8.8	20.1	16.0	12.2	8.6	19.1	14.4	11.0	8.1	15.7	11.8	9.2	
17.0	19.3	16.1	12.3	8.6	19.6	15.6	11.9	8.4	18.7	14.1	10.8	7.9	15.4	11.6	9.1	7.3
18.0	18.9	15.6	12.0	8.4	19.2	15.2	11.6	8.3	18.3	13.8	10.7	7.8	15.2	11.5	8.9	7.2
19.0	18.5	15.1	11.7	8.3	18.8	14.8	11.4	8.1	18.0	13.6	10.5	7.7	14.9	11.3	8.8	7.1
20.0	18.2	14.6	11.4	8.1	18.4	14.5	11.1	8.0	17.6	13.3	10.3	7.6	14.7	11.1	8.7	7.0
22.0	17.4	13.7	10.8	7.8	17.6	13.8	10.6	7.7	16.9	12.8	9.9	7.4	14.1	10.8	8.4	6.8
24.0	16.6	12.9	10.2	7.4	16.8	13.1	10.2	7.4	16.3	12.3	9.5	7.1	13.6	10.5	8.2	6.7
26.0	15.9	12.1	9.7	7.1	16.1	12.4	9.7	7.2	15.6	11.8	9.2	6.9	13.1	10.1	7.9	6.5
28.0	15.2	11.3	9.2	6.8	15.4	11.8	9.3	6.9	15.0	11.4	8.8	6.7	12.6	9.8	7.7	6.3
30.0	14.5	10.6	8.7	6.5	14.7	11.2	8.9	6.7	14.5	10.9	8.5	6.5	12.0	9.5	7.4	6.2
32.0	13.8	10.0	8.2	6.3	14.0	10.7	8.5	6.4	13.9	10.5	8.2	6.3	11.5	9.1	7.2	6.0
34.0	13.2	9.4	7.8	6.0	13.4	10.1	8.1	6.2	13.4	10.1	7.9	6.1	11.0	8.8	7.0	5.8
36.0	12.5	8.9	7.4	5.8	12.8	9.6	7.7	6.0	12.8	9.7	7.6	5.9	10.5	8.5	6.7	5.7
38.0	11.9	8.4	7.0	5.5	12.3	9.1	7.4	5.7	11.7	9.3	7.3	5.8	10.0	8.2	6.5	5.5
40.0	11.3	8.0	6.7	5.3	11.5	8.7	7.0	5.5	10.8	9.0	7.0	5.6	9.5	7.8	6.3	5.4
42.0	10.7	7.6	6.3	5.1	10.6	8.3	6.7	5.3	9.9	8.6	6.8	5.4	9.0	7.5	6.1	5.2
44.0	10.2	7.2	6.0	4.9	9.8	7.9	6.4	5.1	9.1	8.3	6.5	5.2	8.3	7.2	5.8	5.1
46.0		7.0	5.8	4.7	9.0	7.5	6.2	5.0	8.3	8.0	6.3	5.1	7.6	6.9	5.6	5.0
48.0		6.7	5.5	4.5	8.4	7.2	5.9	4.8	7.7	7.7	6.1	4.9	6.9	6.6	5.4	4.8
50.0			5.3	4.4	7.8	6.9	5.7	4.6	7.0	7.4	5.8	4.8	6.3	6.2	5.2	4.7
52.0			5.1	4.2	7.2	6.6	5.4	4.4	6.5	6.8	5.6	4.6	5.7	5.9	5.0	4.6
54.0			4.9	4.1		6.4	5.2	4.3	6.0	6.2	5.4	4.5	5.2	5.5	4.8	4.4
56.0				4.0		6.1	5.0	4.2	5.5	5.7	5.2	4.3	4.7	5.0	4.6	4.3
58.0				3.9		5.9	4.9	4.0	5.0	5.3	5.1	4.2	4.3	4.5	4.4	4.2
60.0							4.7	3.9	4.6	4.9	4.9	4.1	3.8	4.1	4.3	4.0
62.0							4.6	3.8	4.2	4.5	4.7	4.0	3.4	3.7	4.0	3.9
64.0								3.7		4.1	4.3	3.8	3.1	3.3	3.6	3.8
66.0								3.6		3.7	4.0	3.7	2.7	3.0	3.2	3.5
68.0								3.5		3.4	3.7	3.6		2.6	2.9	3.1
70.0											3.3	3.5		2.3	2.6	2.8
72.0											3.0	3.3		2.0	2.3	2.5
74.0												3.0			2.0	2.2
76.0												2.7			1.7	1.9
78.0												2.4				1.7
80.0																
Number of strands	2	2	2	1	2	2	2	1	2	2	1	1	2	2	1	1

Nr. 5500R-75 / 2987/60.0 / 09.02 SHLHFS 5

5500G Load ratings



Main boom SHLH with fly jib FS
jib 25° Offset



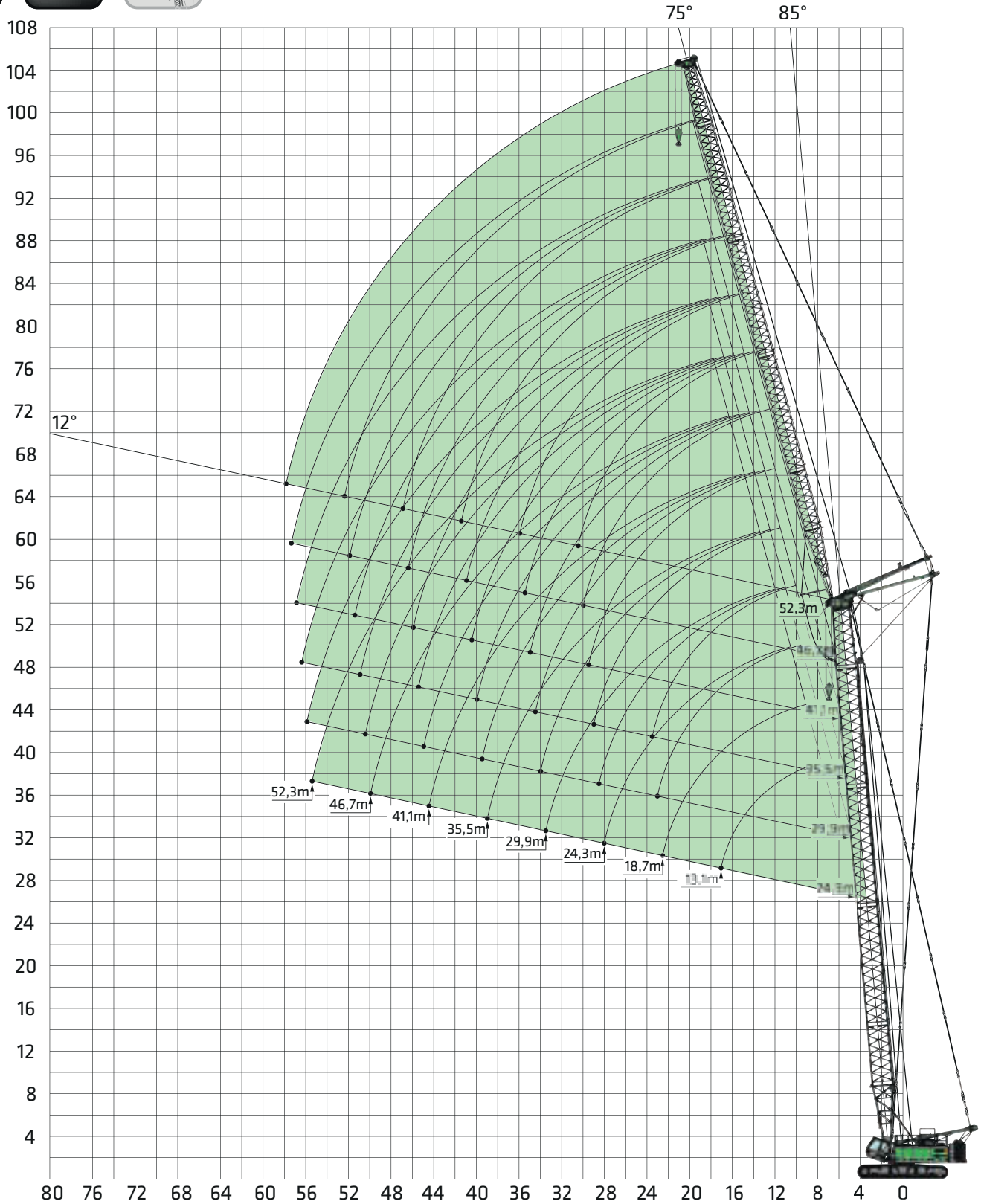
25° Outreach [m]	Main boom length [m]															
	35.5				46.7				57.9				69.1			
	Fly boom length [m]															
	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9	13.1	18.7	24.3	29.9
9.0																
10.0																
11.0																
12.0																
13.0	18.1															
14.0	17.5															
15.0	16.9	15.9														
16.0	16.4	12.2	15.5	14.4												
17.0	15.8	11.8	15.1	14.1												
18.0	15.3	11.4	14.7	10.6	13.8	12.1										
19.0	14.8	11.1	8.6	14.3	10.4	13.5	9.8	11.9								
20.0	14.4	10.8	8.4	13.9	10.1	7.8	13.2	9.6	11.7	8.8						
22.0	13.5	10.1	7.9	6.4	13.2	9.7	7.5	12.6	9.2	7.2	11.2	8.5				
24.0	12.7	9.6	7.5	6.1	12.5	9.2	7.2	5.8	12.1	8.8	6.9	10.7	8.2	6.3		
26.0	11.9	9.0	7.1	5.9	11.9	8.8	6.8	5.6	11.6	8.5	6.6	5.4	10.3	7.9	6.1	5.0
28.0	11.2	8.5	6.7	5.6	11.3	8.4	6.5	5.4	11.1	8.1	6.4	5.2	9.9	7.6	5.9	4.9
30.0	10.6	8.0	6.4	5.3	10.8	8.0	6.3	5.2	10.6	7.8	6.1	5.0	9.5	7.3	5.6	4.7
32.0	10.1	7.6	6.0	5.1	10.2	7.6	6.0	4.9	10.2	7.5	5.9	4.8	9.0	7.0	5.4	4.6
34.0	9.6	7.2	5.7	4.9	9.8	7.3	5.7	4.8	9.8	7.2	5.6	4.6	8.6	6.8	5.2	4.4
36.0	9.2	6.9	5.4	4.6	9.3	6.9	5.5	4.6	9.4	6.9	5.4	4.5	8.2	6.5	5.0	4.3
38.0	8.9	6.6	5.2	4.4	9.0	6.7	5.2	4.4	9.0	6.7	5.2	4.3	7.9	6.3	4.8	4.2
40.0	8.7	6.4	4.9	4.2	8.6	6.4	5.0	4.2	8.7	6.4	5.0	4.2	7.5	6.0	4.7	4.0
42.0	8.5	6.1	4.7	4.1	8.3	6.1	4.8	4.1	8.4	6.2	4.8	4.0	7.1	5.8	4.5	3.9
44.0	8.4	6.0	4.6	3.9	8.1	5.9	4.6	3.9	8.2	6.0	4.7	3.9	6.8	5.6	4.4	3.8
46.0		5.8	4.4	3.7	7.8	5.7	4.5	3.7	7.9	5.8	4.5	3.7	6.4	5.4	4.2	3.7
48.0		5.8	4.3	3.6	7.7	5.6	4.3	3.6	7.7	5.6	4.3	3.6	6.1	5.2	4.1	3.5
50.0		5.7	4.2	3.5	7.5	5.4	4.2	3.5	7.4	5.4	4.2	3.5	5.8	5.0	4.0	3.4
52.0			4.1	3.3	7.4	5.3	4.0	3.4	6.8	5.3	4.1	3.4	5.4	4.8	3.9	3.3
54.0			4.0	3.2	6.8	5.2	3.9	3.2	6.2	5.2	4.0	3.3	5.1	4.6	3.8	3.2
56.0			4.0	3.1		5.1	3.8	3.1	5.7	5.1	3.8	3.2	4.8	4.5	3.7	3.1
58.0				3.1		5.1	3.7	3.0	5.2	5.0	3.7	3.1	4.6	4.3	3.6	3.1
60.0				3.0		5.0	3.6	2.9	4.8	4.9	3.7	3.0	4.1	4.2	3.6	3.0
62.0							3.6	2.9	4.4	4.8	3.6	2.9	3.7	4.0	3.5	2.9
64.0							3.5	2.8	3.9	4.4	3.5	2.8	3.3	3.7	3.5	2.8
66.0							3.5	2.7		4.0	3.5	2.8	2.9	3.3	3.5	2.7
68.0								2.7		3.6	3.4	2.7		3.0	3.4	2.7
70.0								2.6		3.2	3.4	2.7		2.6	3.0	2.6
72.0											3.3	2.6		2.3	2.7	2.6
74.0											3.0	2.6			2.4	2.5
76.0												2.5			2.1	2.4
78.0												2.5				2.1
80.0												2.4				
Number of strands	2	2	1	1	2	1	1	1	2	1	1	1	2	1	1	1

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5500G Crane equipment



Main boom SH / SHX 85° with luffing fly boom WS



Boom assembly SH WS/ SHXWS see page 37.

Subject to change. See page 7 for notes on load lift charts SH / SHX see page 8.

5500G Load ratings



Main boom SH 85°
with luffing fly boom WS



85° Outreach [m]	Main boom length [m]																						
	24.3							29.9							35.5								
	Fly boom length [m]																						
	13.1*	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	
8.0	70.0/8.5																						
9.0	68.0	60.0/9.9																					
10.0	64.4	59.7							55.0/10.4							45.0/10.9							
11.0	60.8	56.8	48.0						53.5							44.8							
12.0	57.2	53.9	46.7						51.1	42.3						43.3							
13.0	53.6	51.1	44.8	38.2					48.7	40.8	34.5					41.7	36.7						
14.0	50.0	48.2	42.8	37.0	30.6				46.2	39.3	33.8					40.2	35.6	30.3					
15.0	46.4	45.3	40.9	35.7	30.0				43.8	37.8	32.8	28.1				38.7	34.4	29.5	25.5				
16.0	42.7	42.4	38.9	34.4	29.2	24.8			41.4	36.2	31.7	27.4	23.0			37.1	33.3	28.7	25.0				
17.0	39.3	39.5	36.9	33.1	28.3	24.2	20.3		38.9	34.7	30.7	26.7	22.6			35.6	32.1	27.9	24.5	21.1			
18.0	38.6/17.2	36.6	35.0	31.8	27.5	23.7	20.0		36.5	33.2	29.7	26.0	22.1	18.9		34.1	31.0	27.2	23.9	20.6	17.5		
19.0		34.1	33.0	30.6	26.7	23.1	19.5	16.9	34.0	31.7	28.7	25.3	21.6	18.5	16.0	32.5	29.8	26.4	23.3	20.2	17.2		
20.0		31.9	31.1	29.3	25.8	22.5	19.1	16.6	31.8	30.2	27.7	24.5	21.1	18.1	15.7	31.0	28.7	25.6	22.7	19.8	16.9	14.9	
22.0		28.1	27.4	26.7	24.2	21.3	18.3	15.9	28.0	27.2	25.6	23.1	20.1	17.4	15.2	27.9	26.3	24.0	21.5	18.9	16.3	14.4	
24.0			24.4	24.2	22.5	20.2	17.5	15.3	26.1/23.2	24.3	23.6	21.7	19.1	16.7	14.6	25.3/23.7	24.0	22.4	20.4	18.0	15.6	13.8	
26.0			21.9	21.7	20.9	19.0	16.7	14.7		21.8	21.5	20.2	18.1	15.9	14.0		21.7	20.8	19.2	17.2	15.0	13.3	
28.0			19.8	19.6	19.2	17.9	15.9	14.0		19.7	19.5	18.8	17.1	15.2	13.4		19.6	19.2	18.0	16.3	14.3	12.8	
30.0				17.8	17.6	16.7	15.0	13.4			17.8	17.4	16.1	14.4	12.8			17.7	16.9	15.4	13.7	12.3	
32.0				16.3	16.0	15.5	14.2	12.8			16.2	16.0	15.1	13.7	12.3			16.1	15.7	14.6	13.0	11.7	
34.0					14.7	14.4	13.4	12.1			14.9	14.6	14.1	13.0	11.7			14.8	14.5	13.7	12.4	11.2	
36.0					13.5	13.2	12.6	11.5				13.5	13.1	12.2	11.1				13.4	12.8	11.7	10.7	
38.0					12.5	12.2	11.7	10.9				12.4	12.1	11.5	10.5				12.3	12.0	11.1	10.2	
40.0						11.3	10.9	10.2					11.2	10.8	10.0				11.4	11.1	10.5	9.6	
42.0						10.4	10.1	9.6					10.3	10.0	9.4					10.3	9.8	9.1	
44.0						9.6	9.4	9.0					9.6	9.3	8.8					9.5	9.2	8.6	
46.0							8.7	8.3						8.6	8.2						8.5	8.1	
48.0							8.0	7.7						8.0	7.7						7.9	7.5	
50.0							7.4	7.1						7.4	7.1						7.3	7.0	
52.0								6.6							6.6							6.5	
54.0								6.1							6.1							6.0	
56.0															5.6							5.5	
Number of strands	6	5	5	4	3	3	2	2	5	4	3	3	3	2	2	4	4	3	3	2	2	2	

Tab.-Nr.: 5500R-75/2987/60.0/10.06 SHWS 85

Notes:

- The rated loads shown are based on the machine on firm level ground without travelling.
- The rated loads shown are in metric tons valid for 360 degrees swing.
- Liftcrane capacities are calculated to comply with ISO 4305 table 1+2 and the tilting angle method (tilting angle 4 deg.)
- The rated loads shown include the weight of all lifting attachments, such as hook and bucket.
- In operation crawler must be extended.
- The users must derate or limit the lifted loads to allow for adverse conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel and travelling with a load.
- Max. single line pull for crane operation with rope diameter 26 mm - 12.000 kg.
- Loads are valid for the SHWS-boom.
- Lifting chart values apply to optimum boom assembly and rolley head with plastic trolleys.
- When the main hoist block is reserved, the capacity of the luffing jib at actual radius must be reduced by the weight of all load carrying devices of the main boom tackle.
- Simultaneous lifting over tower and jib is not allowed.

5500G Load ratings



Main boom SH 85°
with luffing fly boom WS



85° Outreach [m]	Main boom length [m]																	
	41.1						46.7						52.3					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
12.0																		
13.0	32.8																	
14.0	31.9	27.5					28.5						24.9					
15.0	31.1	27.0					27.8	24.1					24.4	21.2				
16.0	30.2	26.4	23.1				27.2	23.6	20.6				23.9	20.9				
17.0	29.3	25.7	22.6	19.5			26.5	23.1	20.2				23.5	20.5	17.9			
18.0	28.4	25.1	22.1	19.2			25.8	22.5	19.8	17.4			23.0	20.1	17.6	15.5		
19.0	27.5	24.4	21.6	18.8	15.9		25.1	22.0	19.4	17.1	14.5		22.5	19.8	17.3	15.2		
20.0	26.6	23.8	21.1	18.4	15.6	14.0	24.4	21.5	19.0	16.8	14.3		22.0	19.4	17.0	15.0	12.5	
22.0	24.8	22.5	20.1	17.7	15.1	13.5	23.1	20.5	18.2	16.1	13.8	12.1	21.1	18.6	16.4	14.5	12.1	10.4
24.0	23.0	21.2	19.1	16.9	14.5	13.1	21.7	19.5	17.4	15.5	13.3	11.7	20.1	17.8	15.8	14.0	11.8	10.0
26.0	21.3	19.9	18.1	16.2	13.9	12.6	20.3	18.5	16.7	14.9	12.8	11.3	19.2	17.1	15.2	13.5	11.4	9.7
28.0	19.5	18.6	17.1	15.4	13.4	12.1	18.9	17.5	15.9	14.3	12.4	10.9	18.2	16.3	14.5	13.0	11.0	9.4
30.0		17.3	16.2	14.7	12.8	11.6	17.6	16.4	15.1	13.6	11.9	10.5	17.3	15.5	13.9	12.5	10.6	9.1
32.0		16.0	15.2	13.9	12.3	11.2		15.4	14.3	13.0	11.4	10.1		14.8	13.3	12.0	10.3	8.8
34.0		14.7	14.2	13.2	11.7	10.7		14.4	13.5	12.4	10.9	9.7		14.0	12.7	11.5	9.9	8.5
36.0			13.2	12.4	11.1	10.2			12.7	11.7	10.4	9.3		13.2	12.1	11.0	9.5	8.2
38.0			12.2	11.7	10.6	9.7			11.9	11.1	10.0	8.9			11.5	10.5	9.1	7.9
40.0			11.3	10.9	10.0	9.2			11.1	10.5	9.5	8.5			10.9	10.0	8.7	7.6
42.0				10.2	9.5	8.8				9.9	9.0	8.1				9.5	8.4	7.3
44.0				9.4	8.9	8.3				9.2	8.5	7.7				8.9	8.0	7.0
46.0				8.7	8.4	7.8				8.6	8.0	7.3				8.4	7.6	6.7
48.0					7.8	7.3					7.6	6.9					7.2	6.4
50.0					7.2	6.9					7.1	6.5					6.9	6.1
52.0						6.4					6.6	6.1					6.5	5.8
54.0						5.9						5.7						5.5
56.0						5.5						5.3						5.2
58.0																		4.9
60.0																		
Number of strands	4	3	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2

5500G Load ratings



Main boom SHX 85°
with luffing fly boom WS



85° Outreach [m]	Main boom length [m]																	
	24.3						29.9						35.5					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
8.0																		
9.0																		
10.0																		
11.0	59.5/11.4	49.0/12.8					50.5/11.8											
12.0	59.4	48.7					50.4						45.9/12.3					
13.0	59.3	48.1	40.2/14.3				49.2	41.7/13.3					45.2	38.4/13.8				
14.0	58.6	47.1	39.9	34.3/15.7			48.1	40.6	34.9/14.7				43.8	37.9				
15.0	54.7	46.1	39.3	33.7	26.8/17.1		48.0	39.8	34.4				42.6	36.9	31.2/15.2			
16.0	51.2	43.7	38.2	32.6	26.5	22.3/18.6	47.9	37.6	33.9	29.6/16.2	24.5/17.6		41.4	35.9	30.9	27.1/16.7		
18.0	45.4	39.1	37.9	31.7	25.6	21.4	43.7	36.5	32.5	29.1	23.7	20.5/19.1	39.4	34.2	29.9	26.9	22.1/18.1	19.0/19.6
20.0	40.7	35.4	34.3	30.9	24.9	20.7	39.3	34.4	31.8	28.3	22.9	20.0	38.1	32.7	28.7	25.7	21.9	18.4
22.0	36.3	32.1	31.3	30.4	24.2	20.1	35.6	31.4	31.0	27.6	22.3	19.3	34.6	32.6	27.6	24.7	21.2	17.8
24.0	32.5	29.0	28.7	27.9	23.7	19.6	32.3	28.9	30.2	27.1	21.8	18.7	31.6	30.4	26.6	23.8	21.0	17.3
26.0	29.4	26.4	26.1	25.7	23.3	19.1	29.2	26.4	27.8	26.7	21.3	18.2	29.1	27.9	25.8	23.0	20.5	16.8
28.0	24.2	24.1	23.9	23.7	22.8	18.7	26.4	24.1	25.6	24.9	21.0	17.8	24.2	25.8	25.0	22.4	20.1	16.4
30.0	23.4/28.2	21.6	21.9	21.7	21.2	18.4	24.3/28.7	22.1	23.7	23.1	20.8	17.4	23.4/29.2	23.9	23.2	22.3	19.6	16.1
32.0		17.8/33.7	20.2	20.0	19.6	18.2		19.1	21.7	21.5	20.6	17.1		21.6	21.6	20.8	19.2	15.8
34.0			18.5	18.5	18.1	17.2		18.7/34.2	20.1	19.9	19.4	16.9		17.8	20.1	19.4	18.7	15.6
36.0			15.6	17.2	16.8	16.6			18.6	18.4	18.1	16.7		17.7/34.6	18.5	18.2	17.5	15.5
38.0			13.8/39.1	15.8	15.6	15.4			16.8	17.1	16.8	16.2			15.6	16.9	16.4	15.4
40.0				13.6	14.5	14.3			14.6/39.6	15.9	15.7	15.3			13.8	15.8	15.5	14.7
42.0				11.5	13.2	13.4				14.7	14.6	14.2			13.7/40.1	13.6	14.5	13.7
44.0				10.8/44.6	11.5	12.2				12.9	13.6	13.3				11.5	13.2	12.8
46.0					10.0	10.8				11.7/45.1	12.8	12.4				10.8/45.6	11.5	12.0
48.0					8.4	9.5					11.3	11.6					10.0	10.8
50.0					8.3/50.1	8.3					9.6	10.9					8.4	9.5
52.0						7.2					9.0/50.6	9.6					8.3/51.1	8.3
54.0						6.3/55.6						8.3						7.2
56.0												7.0						6.3
58.0												6.9/56.1						6.2/56.6
60.0																		
62.0																		
64.0																		
66.0																		
68.0																		
70.0																		
72.0																		
74.0																		
76.0																		
78.0																		
80.0																		
Number of strands	5	4	4	3	3	2	4	4	3	3	2	2	4	3	3	3	2	2

TAB. - Nr. 5500R-80/3020/75.0/02.18 SHXWS 85

Notes:

- The rated loads shown are based on the machine on firm level ground without travelling.
- The rated loads shown are in metric tons valid for 360 degrees swing.
- Liftcrane capacities are calculated to comply with ISO 4305 table 1+2 and the tilting angle method (tilting angle 4 deg.)
- The rated loads shown include the weight of all lifting attachments, such as hook and bucket.
- In operation crawler must be extended.
- The users must derate or limit the lifted loads to allow for adverse conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel and travelling with a load.
- Max. single line pull for crane operation with rope diameter 26 mm - 12.500 kg.
- Loads are valid for the SHXWS-boom including reinforced main boom inserts (boom assembly acc. operation manual)
- Lifting chart values apply to optimum boom assembly and rolley head with plastic trolleys.
- When the main hoist block is reserved, the capacity of the luffing jib at actual radius must be reduced by the weight of all load carrying devices of the main boom tackle.
- Simultaneous lifting over tower and jib is not allowed.

5500G Load ratings



Main boom SHX 85°
with luffing fly boom WS

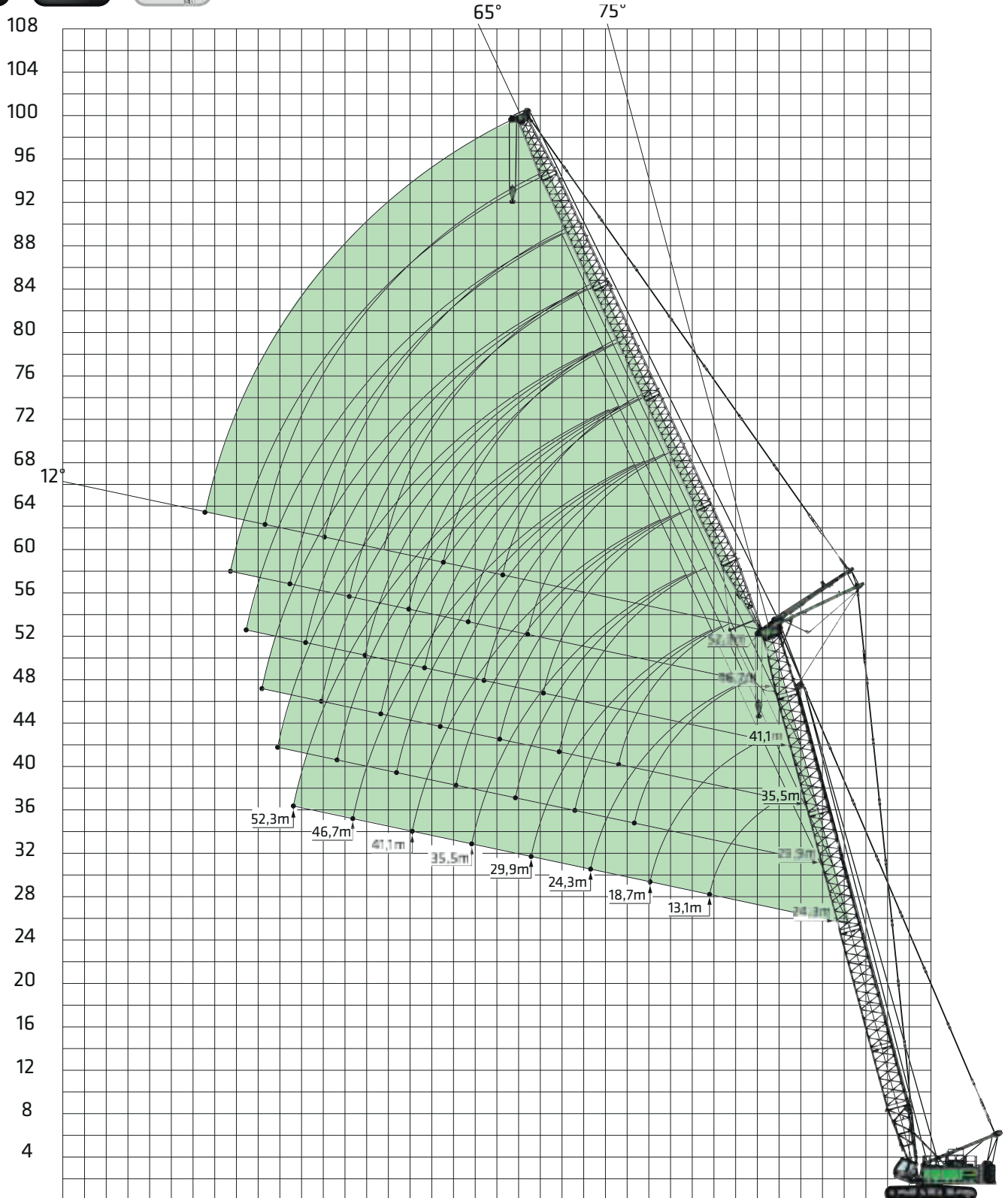


85° Outreach [m]	Main boom length [m]																	
	41.1						46.7						52.3					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
8.0																		
9.0																		
10.0																		
11.0																		
12.0	39.0/12.8																	
13.0	38.9						32.5/13.3						27.6/13.8					
14.0	38.7	31.4/14.3					32.0	27.0/14.8					27.4					
15.0	37.5	30.7	27.5/15.7				30.9	26.8					27.2	23.1/15.2				
16.0	36.4	29.9	27.3	23.1/17.2			29.9	26.0	23.0/16.2	20.0/17.7			26.7	22.8	19.7/16.7			
18.0	34.4	28.4	25.9	22.3	19.4/18.6		28.1	24.5	21.9	19.9	17.2/19.1		25.3	21.8	19.5	17.0/18.1	14.7/19.6	
20.0	32.7	27.4	24.7	21.3	18.9	16.5/20.1	26.7	23.3	20.7	18.9	16.8	14.6/20.6	24.9	21.1	19.0	16.7	14.6	12.5/21.0
22.0	31.3	26.8	23.6	20.4	18.1	15.8	25.5	22.2	19.8	18.0	16.0	14.3	24.4	20.6	18.5	16.3	14.3	12.4
24.0	30.2	26.4	22.7	19.7	17.4	15.2	24.5	21.3	18.9	17.2	15.3	13.9	23.9	19.8	17.9	16.0	14.1	12.2
26.0	28.1	25.6	21.9	19.0	16.7	14.6	23.7	20.6	18.2	16.5	14.7	13.5	23.1	19.2	17.6	15.8	13.9	12.1
28.0	24.2	25.2	21.5	18.4	16.2	14.1	23.1	19.9	17.6	15.9	14.1	13.2	22.2	18.7	17.4	15.4	13.8	12.0
30.0	23.4/29.7	23.4	20.9	17.9	15.7	13.6	23.0	19.4	17.0	15.4	13.6	12.9	21.6	18.4	17.1	15.0	13.7	11.8
32.0		21.6	20.4	17.4	15.3	13.2	22.9/30.1	19.1	16.6	15.0	13.2	12.7	21.5/30.6	18.1	16.8	14.6	13.3	11.6
34.0		17.8	19.5	17.2	14.9	12.9		17.8	16.2	14.6	12.8	12.6		17.6	16.3	14.2	12.8	11.3
36.0		17.7/35.1	18.3	16.9	14.6	12.5		17.7/35.6	15.9	14.3	12.4	12.3		17.5	15.8	13.8	12.4	11.0
38.0			15.6	16.7	14.5	12.3			15.6	14.0	12.2	11.9		17.4/36.1	15.5	13.4	12.0	10.7
40.0			13.8	15.7	14.4	12.1			13.8	13.8	11.9	11.6			13.8	13.1	11.7	10.3
42.0			13.7/40.6	13.6	13.9	12.0			13.7/41.1	13.6	11.7	11.3			13.7/41.6	12.9	11.4	10.0
44.0				11.5	13.1	11.8				11.5	11.6	11.1				11.5	11.1	9.8
46.0				10.8	11.5	11.3				10.8	11.5	10.7				10.8	10.9	9.5
48.0				10.7/46.1	10.0	10.6				10.7/46.6	10.0	10.0			10.7/47.1	10.0	9.3	
50.0					8.4	9.5					8.4	9.4					8.4	8.7
52.0					8.3/51.6	8.3					8.3	8.3					8.3	8.2
54.0						7.2						7.2					8.2/52.5	7.2
56.0						6.3						6.3						6.3
58.0						6.2/57.0						6.2/57.5						6.2
60.0																		
62.0																		
64.0																		
66.0																		
68.0																		
70.0																		
72.0																		
74.0																		
76.0																		
78.0																		
80.0																		
Number of strands	3	3	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2

5500G Crane equipment



Main boom SH/SHX 75°
with luffing fly boom WS



Boom assembly SH WS / SHXWS see page 37.

24 Subject to change. See page 20 for notes on load lift charts SHWS / SHXWS see page 22.

5500G Load ratings



**Main boom SH 75°
with luffing fly boom WS**



75° Outreach [m]	Main boom length [m]																						
	24.3							29.9							35.5								
	Fly boom length [m]																						
	13.1*	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	
14.0	45.0/14.8																						
15.0	44.1																						
16.0	40.5																						
17.0	37.4	36.0/17.1																					
18.0	34.7	34.2							32.3/18.6														
19.0	32.3	32.1							31.3														
20.0	30.2	30.0	29.1						29.3								28.5						
22.0	27.4/21.4	26.5	25.6	25.2					25.9	24.9							25.2						
24.0		23.7	22.8	22.4					23.1	22.2	21.8						22.5	21.6					
26.0		21.3	20.5	20.1	19.7				20.8	20.0	19.6	19.1					20.2	19.4	18.9				
28.0			18.5	18.2	17.8	17.4			18.8	18.0	17.7	17.3	16.8				18.3	17.5	17.1	16.7			
30.0			16.9	16.5	16.2	15.8	15.4			16.4	16.1	15.7	15.2			16.8/29.8	15.9	15.5	15.1	14.7			
32.0			15.4	15.1	14.7	14.4	14.0	13.6		15.0	14.7	14.3	13.9	13.4			14.5	14.2	13.8	13.3	12.9		
34.0				13.8	13.5	13.1	12.7	12.3			13.4	13.1	12.7	12.3	11.8		13.3	13.0	12.6	12.2	11.7		
36.0				12.7	12.4	12.0	11.7	11.3			12.4	12.0	11.6	11.2	10.8			11.9	11.5	11.1	10.7	10.3	
38.0					11.4	11.1	10.7	10.3			11.4	11.1	10.7	10.3	9.9			11.0	10.6	10.2	9.8	9.4	
40.0					10.6	10.2	9.8	9.5				10.2	9.8	9.4	9.0			10.1	9.8	9.4	9.0	8.6	
42.0					9.8	9.4	9.1	8.7				9.4	9.1	8.7	8.3				9.1	8.7	8.3	7.9	
44.0						8.7	8.4	8.0				8.7	8.4	8.0	7.6				8.4	8.0	7.6	7.2	
46.0						8.1	7.7	7.4					7.8	7.4	7.0				7.7	7.4	7.0	6.6	
48.0						7.5	7.1	6.8					7.2	6.8	6.4					6.8	6.5	6.1	
50.0							6.6	6.3					6.6	6.3	5.9					6.3	6.0	5.6	
52.0							6.1	5.8						5.8	5.5						5.5	5.1	
54.0							5.6	5.3						5.4	5.0						5.1	4.7	
56.0								4.9							4.6						4.7	4.3	
58.0								4.5							4.2							3.9	
60.0															3.9							3.6	
62.0																						3.2	
Number of strands	6	5	5	4	3	3	2	2	5	4	4	3	3	2	2	4	4	3	3	2	2	2	

Tab.-Nr.: 5500R-75/2987/60.0/10.06 SHWS 75

5500G Load ratings



Main boom SH 75°
with luffing fly boom WS



75° Outreach [m]	Main boom length [m]																		
	41.1						46.7						52.3						
	Fly boom length [m]																		
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	
20.0																			
22.0																			
24.0	20.8																		
26.0	18.7						17.9												
28.0	16.9	16.4					16.2	15.7						15.5					
30.0	15.3	14.9	14.5				14.7	14.3	13.8					14.0	13.6				
32.0	14.0	13.6	13.2	12.7			13.4	13.0	12.5					12.8	12.3	11.9			
34.0	12.8	12.5	12.0	11.6	11.1		12.3	11.9	11.5	11.0				11.7	11.3	10.8	10.3		
36.0	11.8	11.5	11.0	10.6	10.2	9.7	11.3	10.9	10.5	10.0	9.6			10.8	10.3	9.9	9.4		
38.0		10.5	10.1	9.7	9.3	8.8	10.4	10.1	9.6	9.2	8.7	8.3		9.9	9.5	9.1	8.6	8.1	
40.0		9.7	9.4	8.7	8.5	8.1		9.3	8.9	8.4	8.0	7.5			8.8	8.3	7.9	7.4	6.9
42.0		9.0	8.6	8.2	7.8	7.4		8.6	8.2	7.8	7.3	6.9			8.1	7.7	7.2	6.8	6.3
44.0			8.0	7.6	7.2	6.7			7.6	7.1	6.7	6.3			7.5	7.1	6.6	6.2	5.7
46.0			7.4	7.0	6.6	6.2			7.0	6.6	6.1	5.7				6.5	6.1	5.7	5.2
48.0				6.5	6.1	5.7			6.4	6.1	5.6	5.2				6.0	5.6	5.2	4.7
50.0				6.0	5.6	5.2				5.6	5.2	4.8				5.5	5.2	4.7	4.3
52.0				5.5	5.1	4.7				5.1	4.8	4.3					4.7	4.3	3.9
54.0					4.7	4.3				4.7	4.4	3.9					4.3	3.9	3.5
56.0					4.3	3.9					4.0	3.6					4.0	3.6	3.2
58.0					4.0	3.6					3.6	3.2						3.3	2.9
60.0						3.3					3.3	2.9						2.9	2.5
62.0						2.9						2.6							2.3
64.0						2.6						2.3							2.0
66.0																			1.7
68.0																			
Number of strands	4	3	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2	2

Tab.-Nr.: 5500R-75/2987/60.0/10.06 SHWS 75

5500G Load ratings



Main boom SHX 75°
with luffing fly boom WS



75° Outreach [m]	Main boom length [m]																	
	24.3						29.9						35.5					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
18.0	39.3/19.5																	
20.0	38.2	33.4/21.8					34.5/20.9											
22.0	34.3	33.2					32.7	29.7/23.3					30.5/22.4					
24.0	30.7	30.2					29.8	28.8	25.6/25.7				28.3	26.5/24.7				
26.0	27.7	27.2	26.7	25.3/26.6			27.0	26.4	25.3				26.0	25.1	22.9/27.1			
28.0	24.2	24.7	24.4	23.8	21.9/28.9		24.5	24.2	23.3	22.5			24.0	23.1	22.1	20.0/29.5		
30.0	23.0	22.6	22.2	22.0	21.1	18.7/31.3	22.4	22.1	21.5	20.8	19.8/30.4		21.9	21.4	20.4	19.6		
32.0	21.1	20.7	20.4	20.2	19.5	18.4	20.6	20.3	19.8	19.3	18.8	17.1/32.8	20.1	19.8	19.0	18.2	17.6/31.8	
34.0	20.8/32.4	17.8	18.8	18.6	18.1	17.6	19.1/33.8	18.7	18.2	18.0	17.3	16.5	18.5	17.8	17.7	16.9	16.9	
36.0		17.7	17.4	17.2	16.7	16.4		17.3	16.9	16.6	16.2	15.4	17.6/35.3	16.9	16.4	15.8	16.2	15.3/34.2
38.0		16.5/37.9	15.6	15.9	15.4	15.2		16.1	15.6	15.4	15.1	14.4		15.7	15.2	14.8	15.2	14.4
40.0			13.8	14.8	14.3	14.1		15.3/39.3	14.5	14.3	14.0	13.5		14.6	13.8	13.8	14.2	13.4
42.0			13.7	13.6	13.3	13.1			13.6	13.3	13.0	12.6		14.2/40.8	13.2	12.8	13.3	12.5
44.0			13.4/43.3	11.5	12.4	12.2			12.7	12.5	12.2	11.7			12.3	11.5	12.5	11.7
46.0				10.8	11.5	11.4			12.4/44.8	11.7	11.4	10.9			11.5	10.8	11.7	11.0
48.0				10.7	10.0	10.6				10.9	10.6	10.2			11.4/46.2	10.5	10.9	10.3
50.0				10.6/48.8	8.4	9.5				10.3	9.6	9.6				9.8	10.0	9.7
52.0					8.3	8.3				10.2/50.3	9.0	9.0				17.1/32.8	8.4	9.1
54.0					8.2	7.2					8.8	8.3					8.3	8.3
56.0					8.1/54.3	6.3					8.3/55.7	7.0					8.2	7.2
58.0						6.2						6.9					7.9	6.3
60.0						6.1/59.8						6.8					7.6/57.2	6.2
62.0												6.7/61.2						6.1
64.0																		6.0
66.0																		5.9/62.7
Number of strands	5	4	4	3	3	2	4	4	3	3	2	2	4	3	3	3	2	2

TAB. -Nr. 5500R-80/3020/75.0/02.18 SHXWS 75

5500G Load ratings



Main boom SHX 75°
with luffing fly boom WS



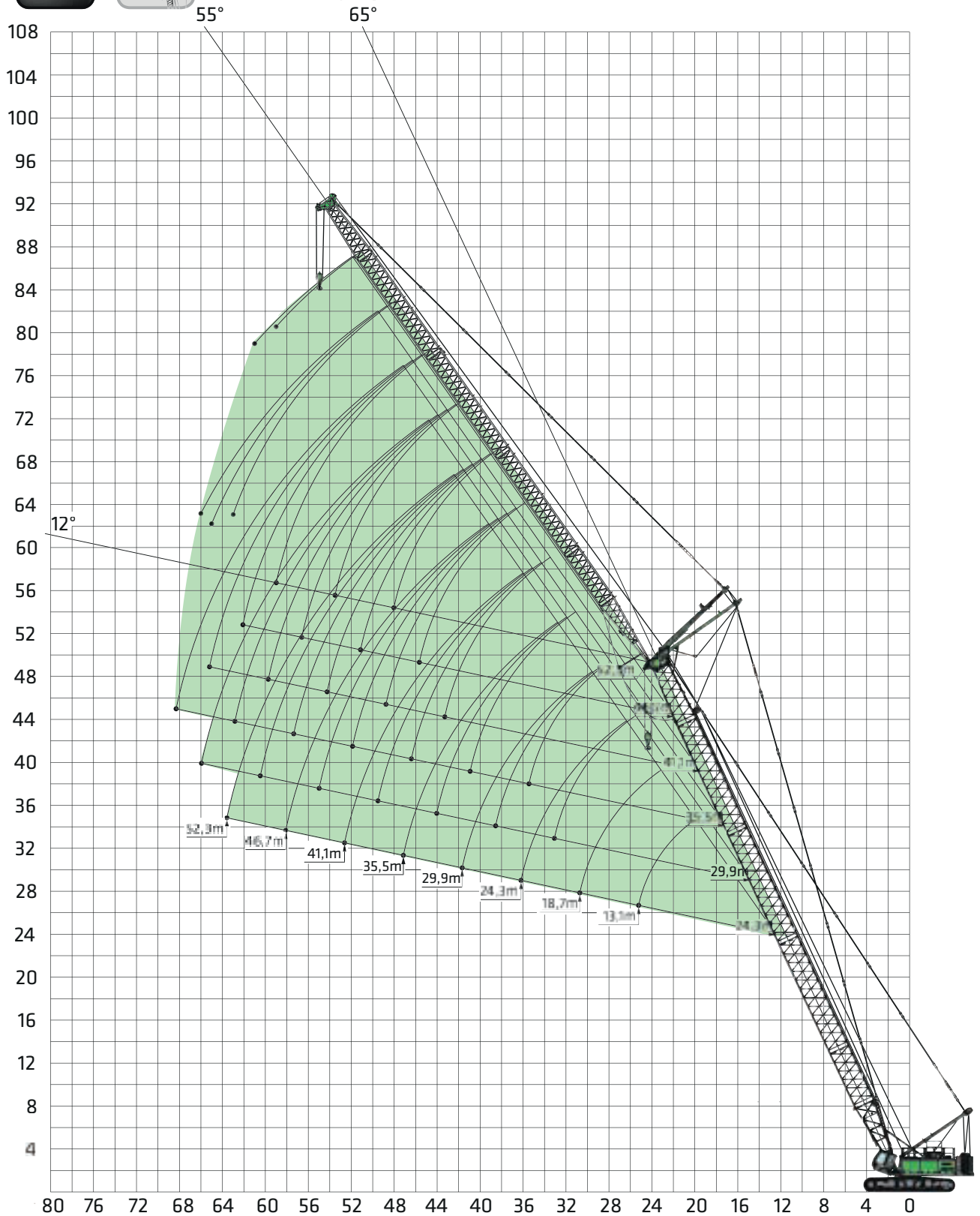
75° Outreach [m]	Main boom length [m]																	
	41.1						46.7						52.3					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
22.0	27.1/23.8																	
24.0	26.9					24.2/25.0												
26.0	24.7	23.4/26.2				23.3	20.6/27.6						20.9/26.7					
28.0	22.8	21.7	20.2/28.6			21.4	19.9						19.9	18.1/29.1				
30.0	21.1	20.1	19.1	17.9/30.9		19.9	18.9	17.0					18.5	17.5	15.6/31.5			
32.0	19.6	18.7	17.8	17.4	15.3/33.3		18.5	17.5	16.6	15.0/32.4			17.2	16.2	15.0	13.8/33.8		
34.0	18.1	17.5	16.6	16.0	14.9	12.9/35.7	17.3	16.4	15.4	14.6	12.8/34.7		16.1	15.1	14.2	13.7		
36.0	16.7	16.3	15.5	15.0	14.1	12.5	16.2	15.3	14.4	13.9	12.4	11.8/37.1	15.0	14.1	13.3	12.8	11.8/36.2	
38.0	16.2/36.7	15.1	14.5	14.0	13.2	12.3	15.0	14.4	13.5	13.0	12.2	11.4	14.1	13.3	12.4	11.9	11.1	10.1/38.6
40.0		14.1	13.6	13.1	12.3	11.6	14.8/38.2	13.5	12.7	12.2	11.4	10.6	13.5/39.6	12.5	11.6	11.2	10.3	9.5
42.0		13.1	12.7	12.4	11.5	10.8		12.6	11.9	11.5	10.6	9.9		11.8	10.9	10.5	9.7	8.9
44.0		13.0/42.2	11.8	11.5	10.8	10.1		11.9/43.7	11.2	10.8	10.0	9.3		11.1	10.3	9.8	9.0	8.3
46.0			11.1	10.8	10.2	9.5			10.6	10.2	9.4	8.7		10.8/45.1	9.7	9.3	8.5	7.8
48.0			10.5/47.7	10.2	9.6	8.9			9.9	9.6	8.8	8.1			9.1	8.7	7.9	7.3
50.0				9.5	8.4	8.4			9.5/49.1	9.1	8.3	7.6			8.7	8.2	7.5	6.8
52.0				9.0	8.3	7.9				8.5	7.8	7.2			8.6/50.6	7.8	7.0	6.4
54.0				8.6/53.2	8.0	7.2				8.0	7.4	6.7				7.4	6.6	5.9
56.0					7.5	6.3				7.8/54.6	7.0	6.3				7.0	6.2	5.5
58.0					7.0	6.2					6.6	6.0				6.9/56.1	5.9	5.1
60.0					6.9/58.6	6.1					6.2	5.6					5.6	4.8
62.0						5.8					6.1/60.1	5.3					5.3/61.5	4.5
64.0						5.5						5.0						4.3
66.0						5.4/64.1						4.8/65.6						4.1
68.0																		4.0/67.0
Number of strands	3	3	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2

TAB. -Nr. 5500R-80/3020/75.0/02.18 SHXWS 75

5500G Crane equipment



Main boom SH/SHX 65°
with luffing fly boom WS



Boom assembly SH WS/ SHXWS see page 37.

Subject to change. See page 24 for notes on load lift charts.

5500G Load ratings



Main boom SH 65°
with luffing fly boom WS



65° Outreach [m]	Main boom length [m]																						
	24.3							29.9							35.5								
	Fly boom length [m]																						
	13.1*	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	18.7*	24.3	29.9	35.5	41.1	46.7	52.3	
20.0	27.4/20.6																						
22.0	25.2																						
24.0	22.5	22.2																					
26.0	20.7/25.4	20.0																					
28.0		18.1	17.2						18.1							15.9/28.6							
30.0		16.5	15.7						16.5							14.8							
32.0			14.3	13.9					15.0	14.2						13.6	12.7						
34.0			13.1	12.8	12.3				13.7	13.0	12.5					12.5	11.7						
36.0			12.1	11.7	11.3					11.9	11.5					11.3/35.6	10.7	10.3					
38.0				10.8	10.4	10.0				11.0	10.6	10.1					9.9	9.4					
40.0				10.0	9.6	9.2	8.8				9.7	9.3					9.1	8.7	8.2				
42.0					8.9	8.5	8.1				9.0	8.6	8.2					8.0	7.6	7.1			
44.0					8.2	7.8	7.4	7.0			8.3	7.9	7.5	7.1				7.4	7.0	6.5			
46.0					7.6	7.2	6.8	6.4				7.3	6.9	6.5				6.8	6.5	6.0	5.5		
48.0						6.7	6.3	5.9				6.8	6.4	5.9	5.5				6.0	5.5	5.1	4.6	
50.0						6.2	5.8	5.4				6.3	5.9	5.5	5.0				5.5	5.1	4.6	4.2	
52.0						5.7	5.3	4.9					5.4	5.0	4.6				5.0	4.7	4.2	3.8	
54.0							4.9	4.5					5.0	4.6	4.2					4.3	3.9	3.4	
56.0							4.5	4.1					4.6	4.2	3.8					3.9	3.5	3.1	
58.0							4.1	3.8						3.9	3.4						3.2	2.8	
60.0								3.4						3.5	3.1						2.9	2.5	
62.0								3.1							2.8						2.6	2.2	
64.0															2.5							1.9	
66.0															2.2							1.7	
68.0																						1.4	
Number of strands	6	5	5	4	3	3	2	2	5	4	4	3	3	2	2	4	4	3	3	2	2	2	

Tab.-Nr.: 5500R-75/2987/60.0/10.06 SHWS 65

5500G Load ratings



**Main boom SH 65°
with luffing fly boom WS**



65° Outreach [m]	Main boom length [m]																	
	41.1						46.7						52.3					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
36.0	9.9																	
38.0	9.1	8.6					8.3											
40.0	8.4	7.9					7.6	7.1					6.7					
42.0	7.7	7.3	6.8				7.0	6.5					6.2					
44.0		6.7	6.3	5.8			6.5	6.0	5.5				5.7	5.2				
46.0		6.2	5.8	5.3				5.5	5.0				5.2	4.8	4.2			
48.0		5.7	5.3	4.9	4.4			5.1	4.6	4.1			4.8	4.4	3.9			
50.0			4.9	4.4	4.0			4.7	4.2	3.8	3.3			4.0	3.5	3.0		
52.0			4.5	4.1	3.6	3.1			3.9	3.4	2.9			3.6	3.2	2.7	2.2	
54.0			4.1	3.7	3.2	2.8			3.5	3.1	2.6	2.1			2.9	2.4	1.9	
56.0				3.4	2.9	2.5			3.2	2.8	2.3	1.8			2.7	2.2	1.7	1.2
58.0				3.0	2.6	2.2				2.5	2.0	1.5			2.4	2.0	1.5	
60.0					2.3	1.9				2.2	1.8	1.3			2.2	1.7	1.2	
62.0					2.1	1.6				1.9	1.5					1.5		
64.0					1.8	1.4					1.3					1.3		
66.0						1.2												
68.0																		
Number of strands	4	3	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2

Tab.-Nr.: 5500R-75/2987/60.0/10.06 SHWS 65

5500G Load ratings



Main boom SHX 65°
with luffing fly boom WS



65° Outreach [m]	Main boom length [m]																	
	24.3						29.9						35.5					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
26.0	24.7/27.1																	
28.0	23.7						21.1/29.4											
30.0	21.6	20.8/30.3					20.6											
32.0	19.9	19.8	17.8/33.5				18.9	18.0/32.6					18.1/31.8					
34.0	18.3	17.8	17.4				17.4	17.0	15.3/35.8				17.9					
36.0	17.0	16.5	16.1	15.4/36.7			16.1	15.8	14.9				16.6	15.5/35.0				
38.0	16.7/36.4	15.3	14.9	14.7	13.1/39.9		15.0	14.6	14.1	13.2/39.1			15.3	15.3				
40.0		14.3	13.8	13.6	12.7		14.6/38.7	13.6	13.1	12.8			14.2	13.9	13.2/38.2			
42.0		13.4/41.8	13.0	12.7	12.2	11.4/43.1		12.7	12.2	11.9	11.4/42.3		13.2	12.9	12.9	11.3/41.4		
44.0			12.1	11.5	11.3	10.9		11.9	11.4	11.1	11.0	9.7/45.5	12.7/41.1	12.0	11.5	11.0		
46.0			11.3	10.8	10.6	10.3		11.8/44.2	10.6	10.4	10.0	9.5		11.2	10.7	10.3	9.7/44.6	
48.0			10.9/47.3	10.4	9.9	9.6			10.0	9.7	9.3	8.9		10.5	10.0	9.6	9.2	8.1/47.8
50.0				9.7	8.4	9.0			9.5/49.7	9.1	8.7	8.3		10.3/46.6	9.4	8.9	8.6	7.9
5.0				9.2	8.3	8.3				8.5	8.2	7.7			8.8	8.4	8.0	7.5
54.0				8.9/52.8	8.1	7.2				8.0	7.7	7.2			8.2	7.8	7.5	7.0
56.0					7.7	6.3				7.7/55.2	7.2	6.8			8.1/52.1	7.3	7.0	6.5
58.0					7.2	6.2					6.7	6.3				6.9	6.5	6.1
60.0					7.1/58.3	6.1					6.3	5.9				6.6/57.5	6.1	5.7
62.0						6.0					6.2/60.6	5.5					5.7	5.3
64.0						5.8/63.8						5.2					5.4	4.9
66.0												4.9					5.2/63.0	4.6
68.0												4.8/66.1						4.3
70.0																		4.0
72.0																		3.9/68.5
Number of strands	5	4	4	3	3	2	4	4	3	3	2	2	4	3	3	3	2	2

TAB.-Nr. 5500R-80/3020/75.0/02.18 SHXWS 65



5500G Load ratings



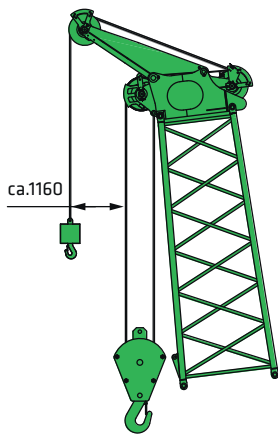
Main boom SHX 65°
with luffing fly boom WS



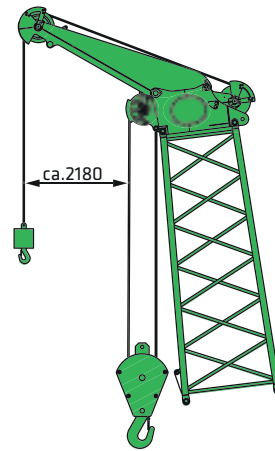
65° Outreach [m]	Main boom length [m]																	
	41.1						46.7						52.3					
	Fly boom length [m]																	
	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3	24.3	29.9	35.5	41.1	46.7	52.3
34.0	15.6/34.2																	
36.0	14.5	13.2/37.4					13.3/36.2											
38.0	13.5	12.9					12.5	11.0/39.7						10.8/38.9				
40.0	12.5	12.0	11.1/40.6				11.6	10.6						10.3				
42.0	11.7	11.2	10.6	9.6/43.8			10.8	10.3	9.1/42.9					9.7	8.8/42.1			
44.0	11.0/43.5	10.4	9.8	9.2			10.1	9.6	8.6					9.2	8.4	7.1/45.3		
46.0		9.7	9.2	8.9	7.8/47.0		9.5/45.8	8.9	8.2	7.8/46.2				8.5	7.8	7.0		
48.0		9.1	8.6	8.3	7.4			8.3	7.7	7.2	6.2/49.4			8.0	7.3	6.5	6.0/48.5	
50.0		8.8/48.9	8.0	7.8	7.1	6.4/50.2		7.8	7.2	6.8	6.1			7.9/48.2	6.9	6.1	5.7	4.5/51.7
52.0			7.5	7.3	6.7	5.9		7.4/51.3	6.8	6.4	5.6	4.9/52.6		6.5	5.7	5.3	4.3	
54.0			7.0	6.8	6.2	5.6			6.3	6.0	5.3	4.6		6.1/53.7	5.3	4.9	4.2	3.3/54.9
56.0			6.9/54.4	6.4	5.8	5.2			5.9	5.7	4.9	4.3			5.0	4.6	3.8	3.1
58.0				5.9	5.4	4.9			5.7/56.8	5.3	4.6	3.9			4.7	4.3	3.6	2.9
60.0				5.6/59.9	5.1	4.6				4.9	4.3	3.6			4.6/59.2	4.0	3.6	2.6
62.0					4.7	4.3				4.6	4.0	3.4				3.8	3.3	2.4
64.0					4.4	4.0				4.5/62.3	3.7	3.1				3.5	3.0	2.1
66.0					4.2/65.4	3.7					3.5	2.9				3.4/64.6	2.8	1.9
68.0						3.4					3.3/67.7	2.6					2.6	1.7
70.0						3.1						2.4					2.4	1.5
72.0						3.0/70.9						2.3					2.2	1.4
74.0												2.2/73.2					2.1/70.1	
Number of strands	3	3	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2

TAB. -Nr. 5500R-80/3020/75.0/02.18 SHXWS 65

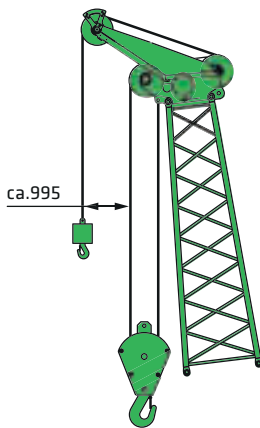
5500G Additional equipment



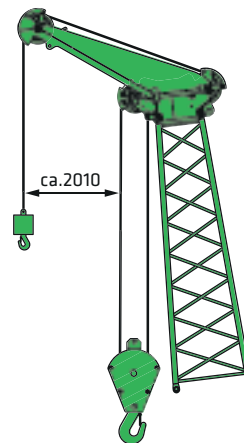
Main boom SH/SHX with auxiliary jib
S12.1 (12 t)



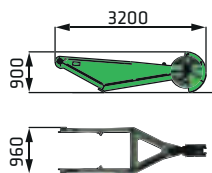
Main boom SH/SHX with auxiliary jib
S24.1 (24 t)



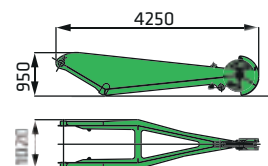
Main boom SHLH with auxiliary jib
S12.1 (12 t)



Main boom SHLH with auxiliary jib
S24.1 (24 t)



Auxiliary jib S12.1 (370 kg)
Load rating 12.0 t



Auxiliary jib S24.1 (510 kg)
Load rating 24.0 t

5500G Boom configuration

Main boom SH

Boom length [m]		18.7	24.3	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1	1	1	1	1	1
Boom section SH type 2027	5.6 m	1	2	1	2	1	2	1	2	1	2	1
Boom section SH type 2027	11.2 m			1	1	2	2	3	3	4	4	5
Boom section conical SH type 2027	5.6 m	1	1	1	1	1	1	1	1	1	1	1
Pulley head T150	0.5 m	1	1	1	1	1	1	1	1	1	1	1
Auxiliary jib S12.1	12.0 t	x	x	x	x	x	x	x	x	x	x	x
Auxiliary jib S24.1	24.0 t	x	x	x	x	x	x	x	x	x	x	x

Main boom SHX

Boom length [m]		18.7	24.3	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1	1	1	1	1	1
Lower boom section SH type 2027-V (reinforced)	11.2 m	0	1	1	2	2	2	2	2	2	2	2
Boom section SH type 2027	5.6 m	1	0	1	0	1	0 (2)	1	0 (2)	1	0 (2)	1
Boom section SH type 2027	11.2 m	0	0	0	0	0	1 (0)	1	2 (1)	2	3 (2)	3
Boom section conical SH type 2027	5.6 m	1	1	1	1	1	1	1	1	1	1	1
Pulley head T150	0.5 m	1	1	1	1	1	1	1	1	1	1	1
Auxiliary jib S12.1	12.0 t	x	x	x	x	x	x	x	x	x	x	x
Auxiliary jib S24.1 (optional)	24.0 t	x	x	x	x	x	x	x	x	x	x	x

Main boom SHFS (Main boom SH with fly jib FS)

Boom length [m]		Main boom SH							Fixed fly			
		29.9	35.5	41.1	46.7	52.3	57.9	63.5	13.1	18.7	24.3	29.9
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1	1				
Boom section SH type 2027	5.6 m	1	2	1	2	1	2	1				
Boom section SH type 2027	11.2 m	1	1	2	2	3	3	4				
Boom section conical SH type 2027	5.6 m	1	1	1	1	1	1	1				
Pulley head T150	0.5 m	1	1	1	1	1	1	1				
Fly boom lower section type 870	7.5 m								1	1	1	1
Boom section type 870	5.6 m									1	2	3
Head piece type 870	5.6 m								1	1	1	1
Combination possibilities												
Fly jib length	13.1 m	x	x	x	x	x	x	x				
	18.7 m	x	x	x	x	x	x	x				
	24.3 m	x	x	x	x	x	x	x				
	29.9 m	x	x	x	x	x	x	x				

5500G Boom configuration

Main boom SHLH

Boom length [m]		29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7	80.3
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1	1	1	1	1
Boom section SH type 2027	5.6 m	1	2	2	1	1	2	2	1	1	2
Boom section SH type 2027	11.2 m				1	1	1	1	2	2	2
Boom section, conical SH type 2027	5.6 m	1	1	1	1	1	1	1	1	1	1
Boom section LH type 1608	5.6 m	1	1	2	2	1	1	2	2	1	1
Boom section LH type 1608	11.2 m					1	1	1	1	2	2
Boom section conical LH type 1608	5.6 m	1	1	1	1	1	1	1	1	1	1
Pulley head T70	0.5 m	1	1	1	1	1	1	1	1	1	1
Auxiliary jib S12.1	12.0 t	x	x	x	x	x	x	x	x	x	x
Auxiliary jib S24.1	24.0 t	x	x	x	x	x	x	x	x	x	x

SHLHFS (Main boom SHLH with fly jib FS)

Boom length [m]		Main boom									Fixed fly				
		29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7	13.1	18.7	24.3	29.9	
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1	1	1	1					
Boom section SH type 2027	5.6 m	1	2	2	1	1	2	2	1	1					
Boom section SH type 2027-V	11.2 m				1	1	1	1	2	2					
Boom section, conical SH type 2027	5.6 m	1	1	1	1	1	1	1	1	1					
Boom section LH type 1608	5.6 m	1	1	2	2	1	1	2	2	1					
Boom section LH type 1608	11.2 m					1	1	1	1	2					
Boom section conical LH type 1608	5.6 m	1	1	1	1	1	1	1	1	1					
Pulley head T70	0.5 m	1	1	1	1	1	1	1	1	1					
Fly boom lower section type 870	7.5 m										1	1	1	1	
Boom section type 870	5.6 m											1	2	3	
Head piece type 870	5.6 m										1	1	1	1	
Combination possibilities															
Fly jib length	13.1 m	x	x	x	x	x	x	x	x	x					
	18.7 m	x	x	x	x	x	x	x	x	x					
	24.3 m	x	x	x	x	x	x	x	x						
	29.9 m	x	x	x	x	x	x	x	x						

5500G Additional equipment

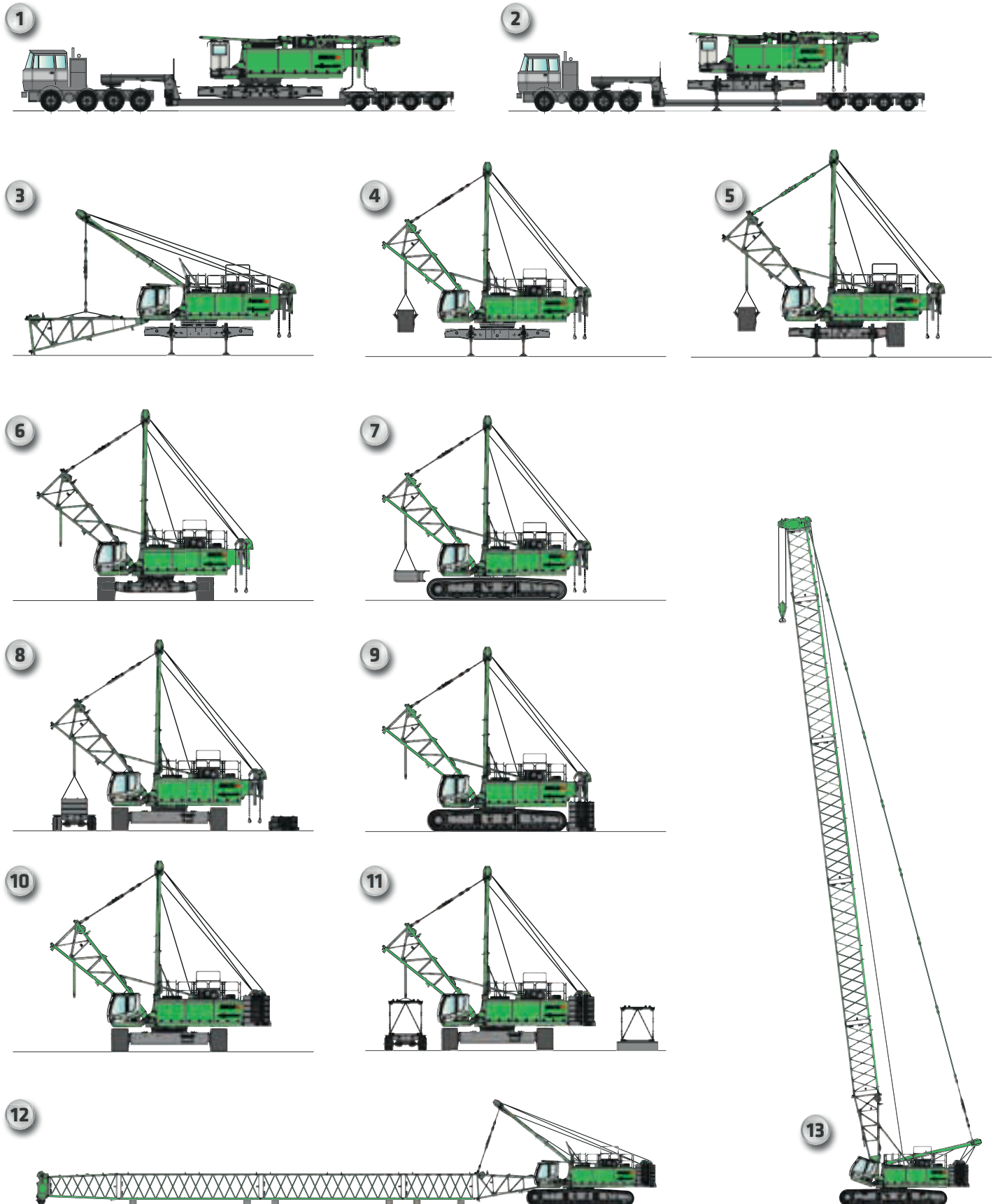
Luffing jib SHWS (Main boom SH with luffing fly boom WS)

Boom length [m]		Main boom SH						Fly boom WS							
		24.3	29.9	35.5	41.1	46.7	52.3	13.1	18.7	24.3	29.9	35.5	41.1	46.7	52.3
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1								
Boom section SH type 2027	5.6 m	2	1	2	1	2	1								
Boom section SH type 2027	11.2 m		1	1	2	2	3								
Boom section, conical SH type 2027	5.6 m	1	1	1	1	1	1								
Pulley head T150	0.5 m	1	1	1	1	1	1								
Fly boom lower section LH type 1608	7.0 m							1	1	1	1	1	1	1	1
Boom section LH type 1608	5.6 m								1	2	1	2	1	2	1
Boom section LH type 1608	11.2 m										1	1	2	2	3
Boom section conical LH type 1608	5.6 m							1	1	1	1	1	1	1	1
Pulley head T70	0.5 m							1	1	1	1	1	1	1	1
Combination possibilities															
Fly boom length	13.1 m	x													
	18.7 m	x	x	x											
	24.3 m	x	x	x	x	x	x								
	29.9 m	x	x	x	x	x	x								
	35.5 m	x	x	x	x	x	x								
	41.1 m	x	x	x	x	x	x								
	46.7 m	x	x	x	x	x	x								
	52.3 m	x	x	x	x	x	x								

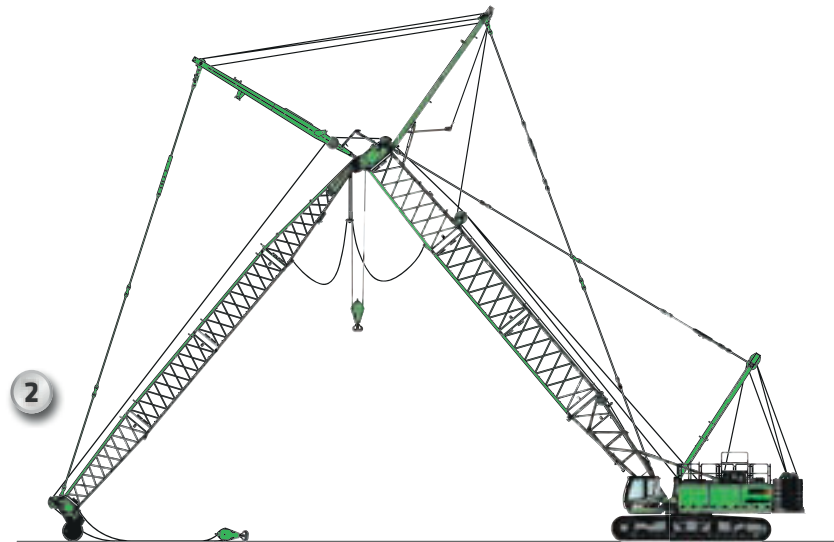
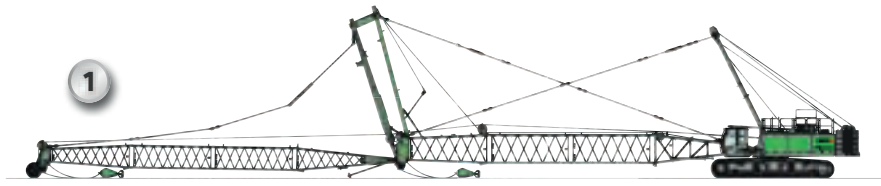
Luffing jib SHXWS (Main boom SHX with luffing fly boom WS)

Boom length [m]		Main boom SHX						Fly boom WS							
		24.3	29.9	35.5	41.1	46.7	52.3	13.1	18.7	24.3	29.9	35.5	41.1	46.7	52.3
Lower boom section SH type 2027	7.0 m	1	1	1	1	1	1								
Lower boom section SH type 2027-V (reinforced)	11.2 m	1	1	2	2	2	2								
Boom section SH type 2027	5.6 m	0	1	0	1	0 (2)	1								
Boom section SH type 2027	11.2 m	0	0	0	0	1 (0)	1								
Boom section, conical SH type 2027	5.6 m	1	1	1	1	1	1								
Pulley head T150	0.5 m	1	1	1	1	1	1								
Fly boom lower section LH type 1608	7.0 m							1	1	1	1	1	1	1	1
Boom section LH type 1608	5.6 m								1	2	1	2	1	2	1
Boom section LH type 1608	11.2 m										1	1	2	2	3
Boom section LH type 1608	5.6 m							1	1	1	1	1	1	1	1
Pulley head T70	0.5 m							1	1	1	1	1	1	1	1
Combination possibilities															
Fly boom length	13.1 m														
	18.7 m														
	24.3 m	x	x	x	x	x	x								
	29.9 m	x	x	x	x	x	x								
	35.5 m	x	x	x	x	x	x								
	41.1 m	x	x	x	x	x	x								
	46.7 m	x	x	x	x	x	x								
	52.3 m	x	x	x	x	x	x								

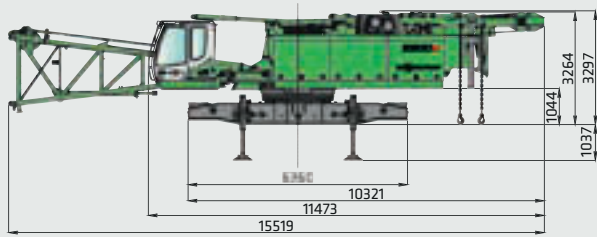
5500G Self-assembly system



5500G Hoisting the boom SHWS/SHXWS

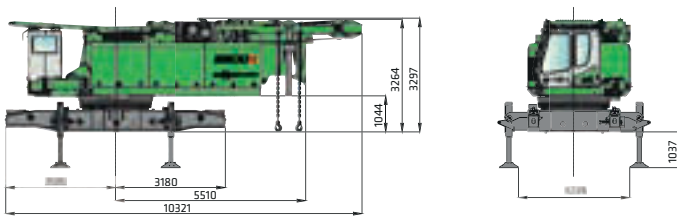


5500G Transport dimensions



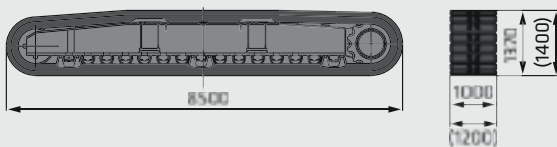
5500 G basic machine with lower boom section

Transport weight **40,000 kg**
 Transport width **3,200 mm**



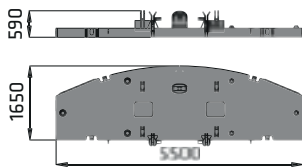
5500 G basic machine without lower boom section

Transport weight **36,100 kg**
 Transport width **3,000 mm**



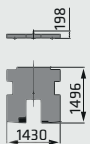
Crawler traveling gear, 2 pieces
 1,000 mm (1,200 mm) flat base plates

Weight **2 x 17,400 kg (19,560 kg)**



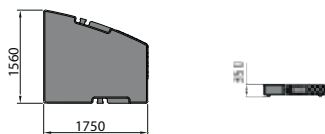
Ballastgrundplatte

Gewicht **1 x 12,000 kg**



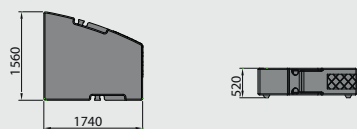
Ballast base plate

Weight **1 x 12,000 kg**



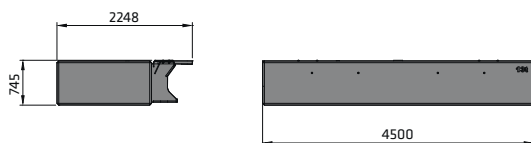
Counterweight 10 pieces

Weight **10 x 4,800 kg**



Counterweight 2 pieces (only for SHX boom version)

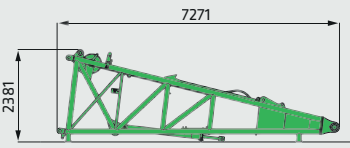
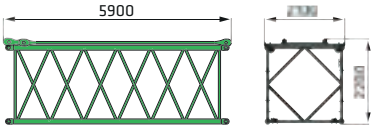
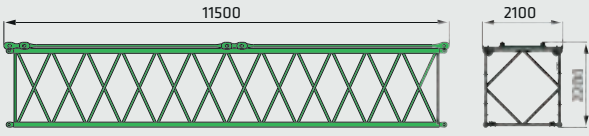

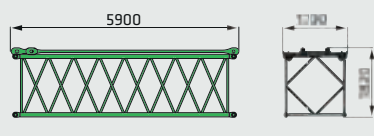
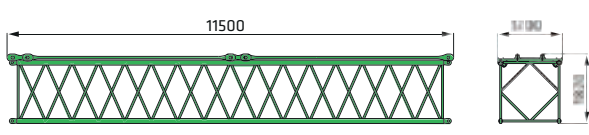
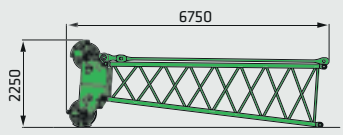
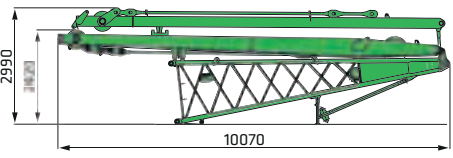
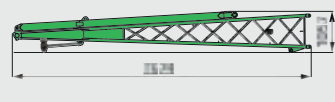
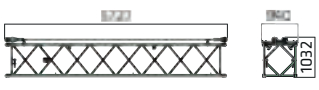

Weight **2 x 7,500 kg**



Undercarriage ballast 2 pieces

Weight **2 x 13,000 kg**

5500G Transport dimensions

	<p>Lower boom section 7 m type SH 2027 (incl. adjustment winch WS and rope)</p> <p>Weight 3,900 kg Width 2,100 mm</p>
	<p>Intermediate boom section 5.6 m type SH 2027 (with SH/SHWS guying)</p> <p>Weight 1,200/1,400 kg</p>
	<p>Intermediate boom section 11.2 m type SH 2027/SH 2027-V (with SH/SHWS guying)</p> <p>Weight (SH 2027) 2,200/2,600 kg Weight (SH 2027-V) 2,550/2,950 kg</p>
	<p>Boom head section 5.6 m type SH 2027 (with SH/SHWS guying) with pulley head T150</p> <p>Weight 1x 2,690 kg (2,940 kg) Width 2,100 mm</p>
	<p>Intermediate boom section 5.6 m type LH 1608 (with guying)</p> <p>Weight 930 kg</p>
	<p>Intermediate boom section 11.2 m type LH 1608 (with guying)</p> <p>Weight 1,730 kg</p>
	<p>Boom head section 5.6 m type LH 1608 (with guying and pulley head T70)</p> <p>Weight 1,500 kg Width 1,700 mm</p>
	<p>Lower boom section 7 m type LH 1608 (with two bracing trestles)</p> <p>Weight 5,300 kg Width 1x 1,950 mm</p>
	<p>Lower boom section 7.5 m type FS 870 (with guying)</p> <p>Weight 1,100 kg Width 1x 1,150 mm</p>
	<p>Intermediate boom section 5.6 m type FS 870 (with ropes)</p> <p>Gewicht 410 kg</p>
	<p>Boom head section 5.6 m type FS 870 (with ropes)</p> <p>Weight 620 kg Width 880 mm</p>

5500G Transport dimensions

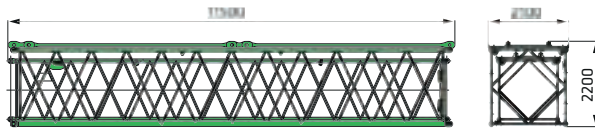
20 ft container 1CC



Intermediate boom section 5.6 m type SH 2027 incl. 5.6 m type LH 1608 with guying SH/SHWS

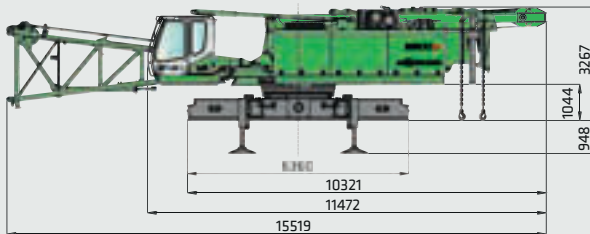
Weight 2,130 / 2,330 kg (2,540 / 2,740 kg)*
*incl. 5.6 m boom section type 870

40 ft container 1AA



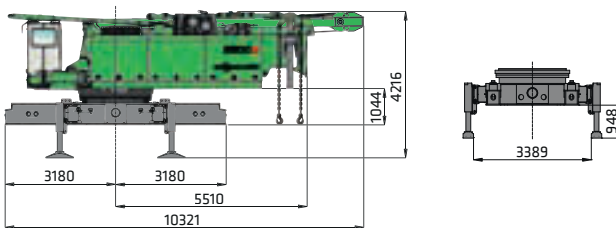
Intermediate boom section 11.2 m type SH 2027 / SH 2027-V incl. 11.2 m type LH 1608 with guying SH / SHWS

Weight (SH 2027 + LH 1608) 3,930/4,330 kg
Weight (SH 2027-V + LH 1608) 4,280/4,680 kg



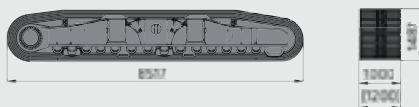
5500 G basic machine with star-lifter tele-undercarriage without lower boom

Transport weight 41,300 kg
Transport width 3,200 mm



5500 G basic machine with star-lifter tele-undercarriage and with lower boom

Transport weight 37,400 kg
Transport width 3,000 mm



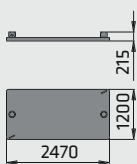
Crawler 2 pieces
1,000 mm (1,200 mm) flat shoes

Weight 2 x 17,800 kg (20,050 kg)



Carbody counterweight 2 pieces

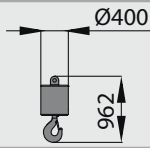
Weight 2 x 13,000 kg



Supporting pad for star-lifter tele-undercarriage

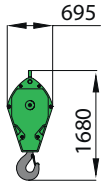
Weight 2 x 1,900 kg

5500G Transport dimensions



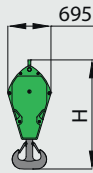
Load hook 15 t - without sheaves

Weight 450 kg



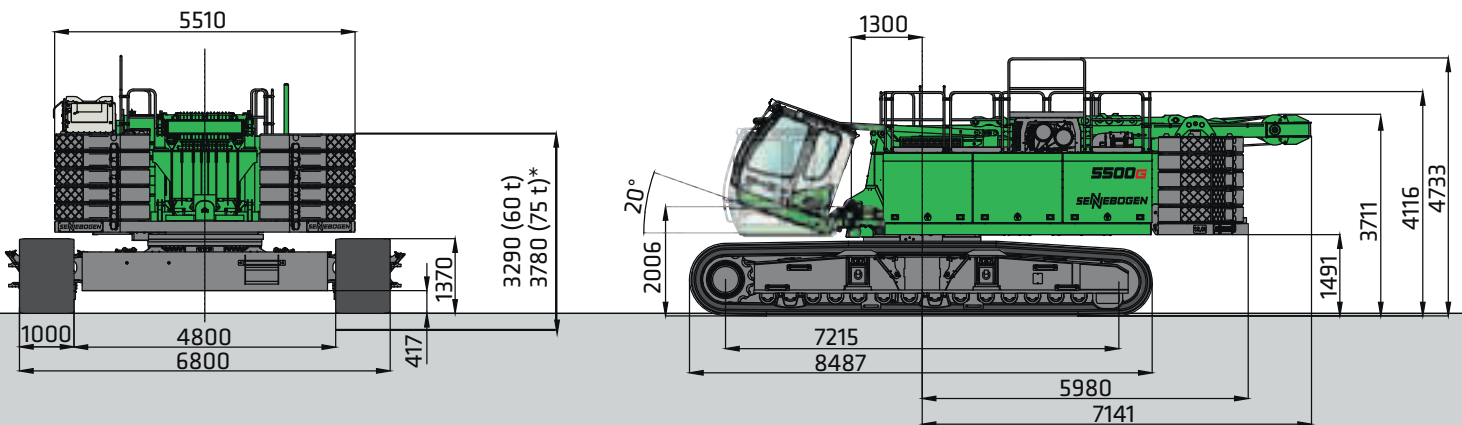
Hook block 40 t - 1 sheave

Weight 900 kg
Width 322 mm



Hook block	80 t	125 t	160 t
Number of sheaves:	3	5	7
Weight:	1350/2500 kg	1500 kg	1700 kg
Width:	322/803 mm	582 mm	682 mm
Height H:	1795 mm	1775 mm	1870 mm

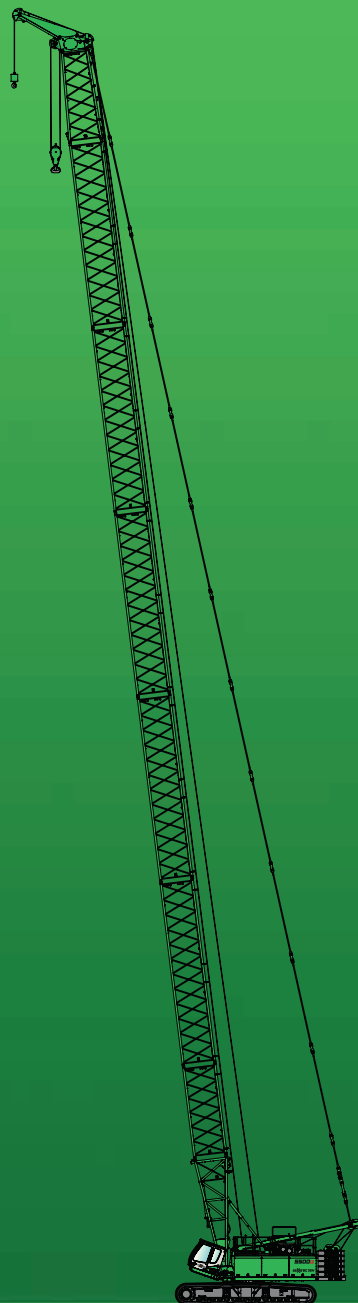
5500G Basic machine dimensions



5500 G basic machine without lower boom section and with circumferential railing**

* 200 t version ** optional

5500G



This catalog describes machine models, scopes of equipment of individual models, and configuration options (standard equipment and optional equipment) of the machines delivered by SENNEBOGEN Maschinenfabrik. Machine illustrations can contain optional equipment and supplemental equipment. Actual equipment may vary in a tolerance range depending on the country to which the machines are delivered, especially in regard to standard and optional equipment

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