

 7700

SENEBOGEN

PRELIMINARY



7700G

Crawler crane



321 kW (Stage V)



300 t



MAXCAB

Stage V

7700G 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
- Modular construction with numerous configuration options
- Technology that can be mastered in operation and in service
- Long service life and high value stability

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 usability

Maxcab comfort cab - work in comfort
SENCON - work program selection made easy



4

Flexible operation

Operate under full load - small space requirements
Strong undercarriage traction - good off-road mobility

5

Easy to transport

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

6

Maintenance and service made easy

SENNEBOGEN control system - easy diagnosis
Simple maintenance - clear labeling

7

Consultation and support in your area

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



Also approved for
off-shore application*

7700G Technical data, equipment

MACHINE TYPE

Model (type) **7700**

ENGINE

Model	Cummins X12 (Stage V) 321 kW / 430 HP/ 436 PS at 1800 min⁻¹ 325 kW / 436 HP/ 442 PS at 1700 min⁻¹ Direct injection, turbo-charged, charge air cooling, reduced emissions
Cooling	Water-cooled
Diesel filter	Electrically heated with water separator
Air filter	Dry filter with pre-separator, automatic dust discharge, main element and safety element, contamination indicator
Fuel tank	max. 805 l (half-way up the sight glass)
DEF tank	105 l
Electr. system	24 V
Electrical installation	Easy and very clear
Batteries	2 x 180 Ah , main switch
Options	- Low temperature package with engine preheating - Electric fuel pump

UPPERCARRIAGE

Design	Torsion-resistant box design, precision crafted, bronze bushings for boom mounting arrange- ment, clear and very service-friendly concept, engine installed in the longitudinal direction, ballast support fixture
Electrical sys- tem	Central electrical distributor, battery disconnect switch
Lighting	LED headlights for optimal lighting of the work area
Safety	Camera monitoring of the rear area right side, uppercarriage railing right + left
Options	- Anti-corrosive maritime climate varnish - Low temperature package - Pinion tooth lubrication for slewing ring outer - Additional cameras available on customer request - Automatic central lubrication system for equipment and slewing ring

HYDRAULIC SYSTEM

Multi-circuit hydraulic system for optimum functionality and performance, all movements can be operated simultane- ously.	
Pump type	The hydraulic pumps are variable displace- ment piston pumps with individual control and energy-saving flow-on-demand control.
Pump control	The pumps only pump as much oil as will actually be used. Pressure purging, load limit control
Operating pressure	max. 330 bar
Filtration	High-performance filtration with long-term change interval, contamination indicator, SENNEBOGEN HydroClean micro-filter system with water separator, option
Hydraulic tank	max. 860 l / 765 l (half-way up the sight glass)
Control system	Proportional, precision hydraulic servo control of the movements, 2 servo joysticks for work functions, additional functions via switches and foot pedals - arranged clearly and ergo- nomically. High energy efficiency due to large-scale hydraulic valves and lines. Measurement connections in the hydraulic circuits
Safety	Hydraulic circuits with safety valves
Options	- Bio-oil filling - SENNEBOGEN HydroClean micro-filter system with water separator

SLEWING

Gearbox	3 compact planetary gears with bent-axis hydraulic motor, integrated brake valves
Swing bearing brake	Spring-loaded multi-disk brake
Slewing ring	Three-row roller-bearing slewing ring with external gear teeth
Slewing speed	0-2 min⁻¹ , 3 adjustable slewing speeds
Options	Positioning swing bearing brake

7700G Technical data, equipment

CAB

Cab type	Maxcab, tiltable 20°
Cab equipment	Sliding door, sliding window in operator door, excellent ergonomics, automatic air condi- tioning, seat heater, air-suspension comfort seat, fresh air /circulating air filter, 12 V/24 V connections, SENCON, sunblind for skylight
Options	- Auxiliary heating system with timer - 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 for roof - Radio with Bluetooth - Electric cooling box

EQUIPMENT

Design	Decades of experience and the latest com- puter simulations guarantee the greatest degree of stability and life-span
Boom adjust- ment winch	Bent-axis hydraulic motor drive with com- pact planetary gear and 2 x 165 kN tensile force; rope diameter 26 mm, adjustment speed 30° to 80° in 77 sec.
Safety brake	Spring-loaded multi-disk brake
Crane safety	Latest generation of load moment monitor- ing, display shows all important data, lifting limit switch, pressure relief valves, cable exit protection
Boom	SH boom length up to 91.5 m
Options	- Max. boom length with SHLH equipment: 113.9 m - Max. boom length with SHWS equipment: 74.7 m + 74.7 m - Auxiliary boom for load capacities up to 42 t

UNDERCARRIAGE

Design	Very strong Star-Lifter wide-gage 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 plane- tary gear on each running gear side
Parking brake	Spring-loaded multi-disk brake
Traveling gear	Maintenance-free flat track shoe traveling gear with hydraulic chain tension, 1200 mm flat track shoes
Travel speed	0 - 1.4 km/h
Options	1500 mm flat track shoes

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-main-
tenance. Holding brakes are spring-loaded, maintenance-free,
low-wear disc brakes running in the oil bath, oil-cooled.

Main winches

Cable pull max. 1st position	200 kN
Cable pull 7th position	150 kN
Cable diameter	28 mm
Drum diameter	725 mm
Cable speed	0 - 140 m/min
Cable capacity across 7 positions	610 m

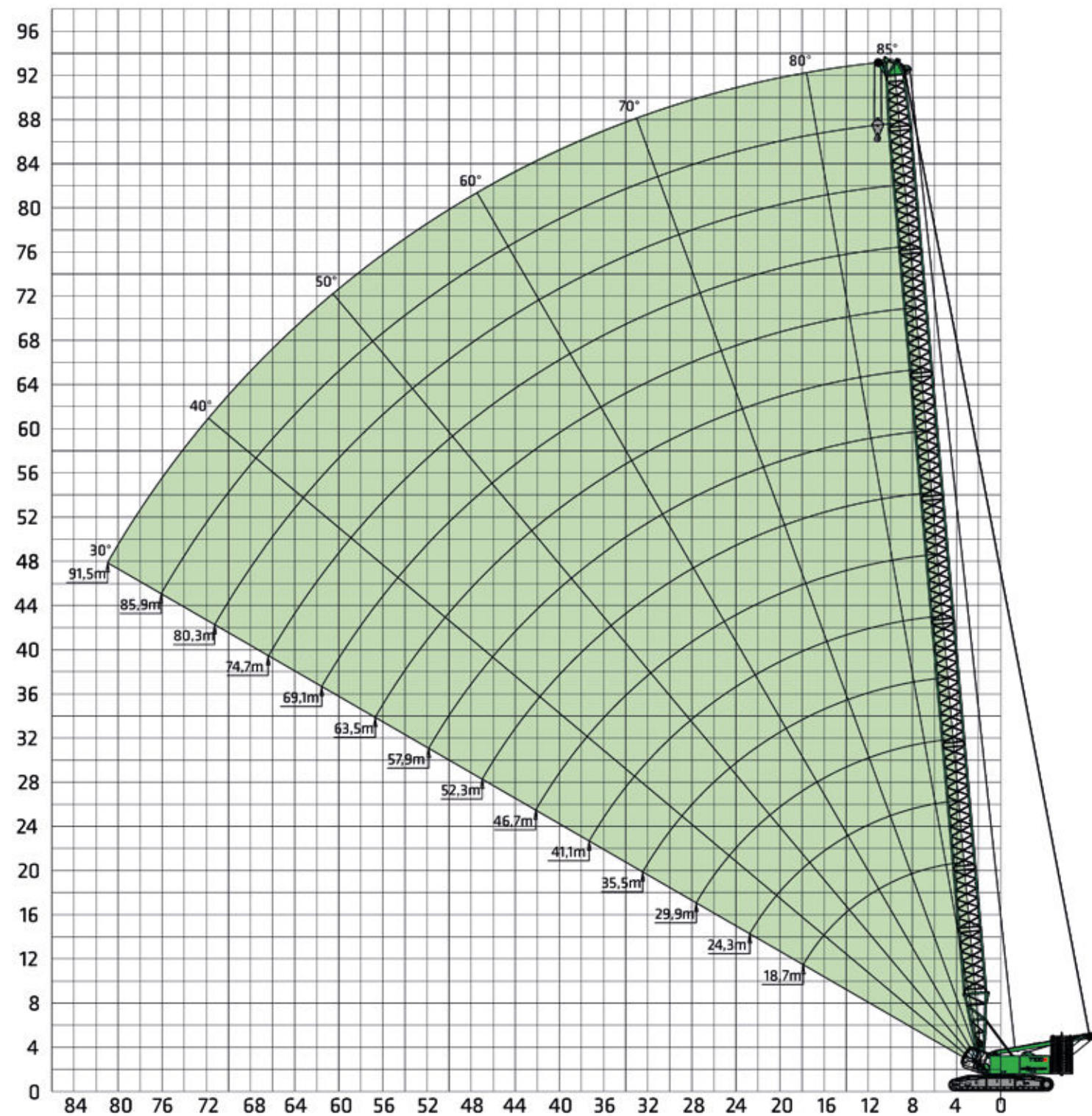
OPERATING WEIGHT

Mass	approx. 293,000 kg 7700 basic machine with 1200 mm disk drive, 2 150 kN main winches, main boom con- sisting of lower boom section, 5.6 m boom section, head piece, 135 t counter weight, 40 t undercarriage ballast, 200 t hook and 650 m hoist cable
Note	Operating weight varies by model and equipment.

7700G Crane equipment



Main boom SH



7700G Load ratings



Main boom SH



85 t 40 t Boom radius [m]	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	80.3	85.9	91.5
5.0	295.7													
6.0	249.8	249.3	248.5	227.9										
7.0	216.1	215.5	209.7	189.9	179.6	167.5								
8.0	190.1	189.7	177.7	162.4	154.9	145.5	136.8	129.0						
9.0	169.6	164.5	153.9	141.6	135.9	128.4	121.3	114.9	108.8	97.9				
10.0	151.8	144.0	135.5	125.3	120.9	114.7	108.7	103.3	98.1	93.4	79.6			
12.0	114.3	114.1	109.0	101.4	98.5	94.0	89.5	85.5	81.5	77.9	74.3	64.9	55.2	48.0
14.0	91.1	90.9	90.4	84.8	82.6	79.1	75.6	72.4	69.2	66.3	63.3	60.6	53.0	45.5
16.0	75.4	75.1	74.5	72.5	70.8	68.0	65.0	62.4	59.7	57.3	54.7	52.4	50.0	43.4
18.0	63.9	63.6	63.1	62.5	61.6	59.3	56.7	54.5	52.2	50.0	47.8	45.8	43.7	41.6
20.0		54.9	54.4	53.8	53.1	52.3	50.0	48.1	46.0	44.1	42.1	40.3	38.4	36.7
24.0			42.0	41.5	40.7	40.2	39.5	38.4	36.6	35.1	33.4	31.9	30.2	28.8
28.0			33.7	33.1	32.4	31.9	31.1	30.5	29.7	28.4	26.9	25.6	24.1	22.8
32.0				27.1	26.4	25.9	25.1	24.5	23.7	23.1	21.9	20.7	19.4	18.2
36.0					21.8	21.4	20.6	20.0	19.2	18.5	17.7	16.8	15.6	14.5
40.0						17.8	17.0	16.4	15.6	15.0	14.2	13.5	12.5	11.4
44.0							14.1	13.6	12.8	12.1	11.3	10.6	9.8	8.9
48.0								11.2	10.4	9.8	8.9	8.3	7.4	6.7
52.0								9.2	8.4	7.8	7.0	6.3	5.5	4.8
56.0									6.7	6.1	5.3	4.6	3.8	3.1
60.0										4.7	3.8	3.2		
64.0														
68.0														
Number of falls	22	19	19	17	14	13	10	10	8	7	6	5	4	4

Notes:

- The load ratings given apply when the machine is on a firm and level surface.
- The load ratings are given in tonnes and apply 360 degrees.
- The load capacities take standards DIN 15019/2 and ISO 4305 into account (tilt angle 4.5°).
- The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
- The load ratings apply for the maximum undercarriage track width.
- Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
- Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
- The load ratings apply to the SH boom (boom assembly as per operating instructions).
- The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
- The load ratings given are for reference only. Please refer to the operating instructions for the relevant applicable load ratings.
- Load ratings for tilts of 2° and 4° are also available on request.

7700G Load ratings



Main boom SH



Boom radius [m]	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	80.3	85.9	91.5
5.0	287.0													
6.0	261.8	261.3	260.5	230.0										
7.0	226.5	226.0	225.2	218.2	203.1	180.4								
8.0	199.3	198.9	198.1	186.8	177.9	167.2	157.4	130.1						
9.0	177.9	177.4	176.6	163.1	156.3	147.7	139.7	127.9	112.7	97.9				
10.0	160.5	160.0	155.7	144.5	139.1	132.1	125.4	119.3	110.7	96.0	79.6			
12.0	131.4	131.1	125.4	117.2	113.6	108.6	103.6	99.1	94.6	90.6	76.5	64.9	55.2	48.0
14.0	104.9	104.7	104.1	98.2	95.5	91.7	87.7	84.2	80.6	77.4	73.9	62.9	53.0	45.5
16.0	86.9	86.7	86.1	84.1	82.1	79.0	75.7	72.8	69.8	67.1	64.3	61.2	51.1	43.4
18.0	73.9	73.6	73.0	72.5	71.7	69.1	66.3	63.8	61.3	58.9	56.5	54.3	49.4	41.6
20.0		63.7	63.1	62.5	61.8	61.1	58.7	56.6	54.3	52.2	50.1	48.1	46.0	40.0
24.0			49.1	48.5	47.8	47.3	46.5	45.5	43.6	41.9	40.1	38.5	36.7	35.2
28.0			39.6	39.0	38.3	37.8	37.0	36.4	35.6	34.3	32.7	31.3	29.8	28.4
32.0				32.2	31.4	31.0	30.2	29.6	28.8	28.1	27.1	25.8	24.4	23.2
36.0					26.3	25.8	25.0	24.5	23.6	23.0	22.1	21.4	20.1	19.0
40.0						21.7	21.0	20.4	19.6	19.0	18.1	17.4	16.6	15.5
44.0							17.7	17.1	16.3	15.7	14.9	14.2	13.3	12.6
48.0								14.5	13.6	13.0	12.2	11.5	10.7	10.0
52.0								12.2	11.4	10.8	10.0	9.3	8.4	7.7
56.0									9.5	8.9	8.0	7.4	6.5	5.8
60.0										7.2	6.4	5.7	4.9	4.2
64.0											5.0	4.3	3.5	
68.0												3.0		
Number of falls	22	20	20	18	15	14	12	10	9	7	6	5	4	4

Table no. 7700R-80/3504/105.0/08.10 SH

Notes:

- The load ratings given apply when the machine is on a firm and level surface.
- The load ratings are given in tonnes and apply 360 degrees.
- The load capacities take standards DIN 15019/2 and ISO 4305 into account (tilt angle 4.5°).
- The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
- The load ratings apply for the maximum undercarriage track width.
- Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
- Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
- The load ratings apply to the SH boom (boom assembly as per operating instructions).
- The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
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7700G Load ratings



Main boom SH



Boom radius [m]	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	80.3	85.9	91.5
5.0														
6.0														
7.0						180.4								
8.0					198.6	177.1	158.0	130.1						
9.0				185.5	186.8	174.2	155.1	127.9	112.7	97.9				
10.0			170.5	169.9	166.5	158.3	150.4	125.9	110.7	96.0	79.6			
12.0		142.9	142.2	140.9	136.3	130.4	124.6	119.4	107.3	92.6	76.5	64.9	55.2	48.0
14.0	122.7	122.3	121.6	118.3	115.0	110.5	105.9	101.9	97.8	89.7	73.9	62.9	53.0	45.5
16.0	104.3	104.0	103.4	101.7	99.1	95.5	91.8	88.4	85.0	81.9	71.7	61.2	51.1	43.4
18.0	88.8	88.6	88.0	87.4	86.7	83.8	80.6	77.8	74.9	72.3	69.5	59.7	49.4	41.6
20.0		76.8	76.3	75.7	75.0	74.4	71.6	69.2	66.7	64.4	61.9	58.4	47.9	40.0
24.0			59.7	59.1	58.4	57.9	57.1	56.1	54.0	52.2	50.2	48.4	45.4	37.5
28.0			48.4	47.9	47.1	46.7	45.9	45.3	44.5	43.3	41.5	40.0	38.3	35.7
32.0				39.8	39.1	38.6	37.8	37.2	36.4	35.7	34.9	33.5	32.0	30.6
36.0					32.9	32.5	31.7	31.1	30.3	29.7	28.8	28.1	26.9	25.7
40.0						27.7	26.9	26.3	25.5	24.9	24.1	23.4	22.5	21.6
44.0							23.1	22.5	21.7	21.1	20.2	19.5	18.7	18.0
48.0								19.3	18.5	17.9	17.1	16.4	15.5	14.8
52.0									16.7	15.9	15.2	14.4	13.8	12.2
56.0										13.6	13.0	12.2	11.5	10.0
60.0											11.0	10.2	9.6	8.0
64.0												8.5	7.9	7.0
68.0													6.4	5.6
Number of falls	9	11	13	14	15	14	12	10	9	7	6	5	4	4

Table no. 7700R-80/3504/135.0/08.10 SH

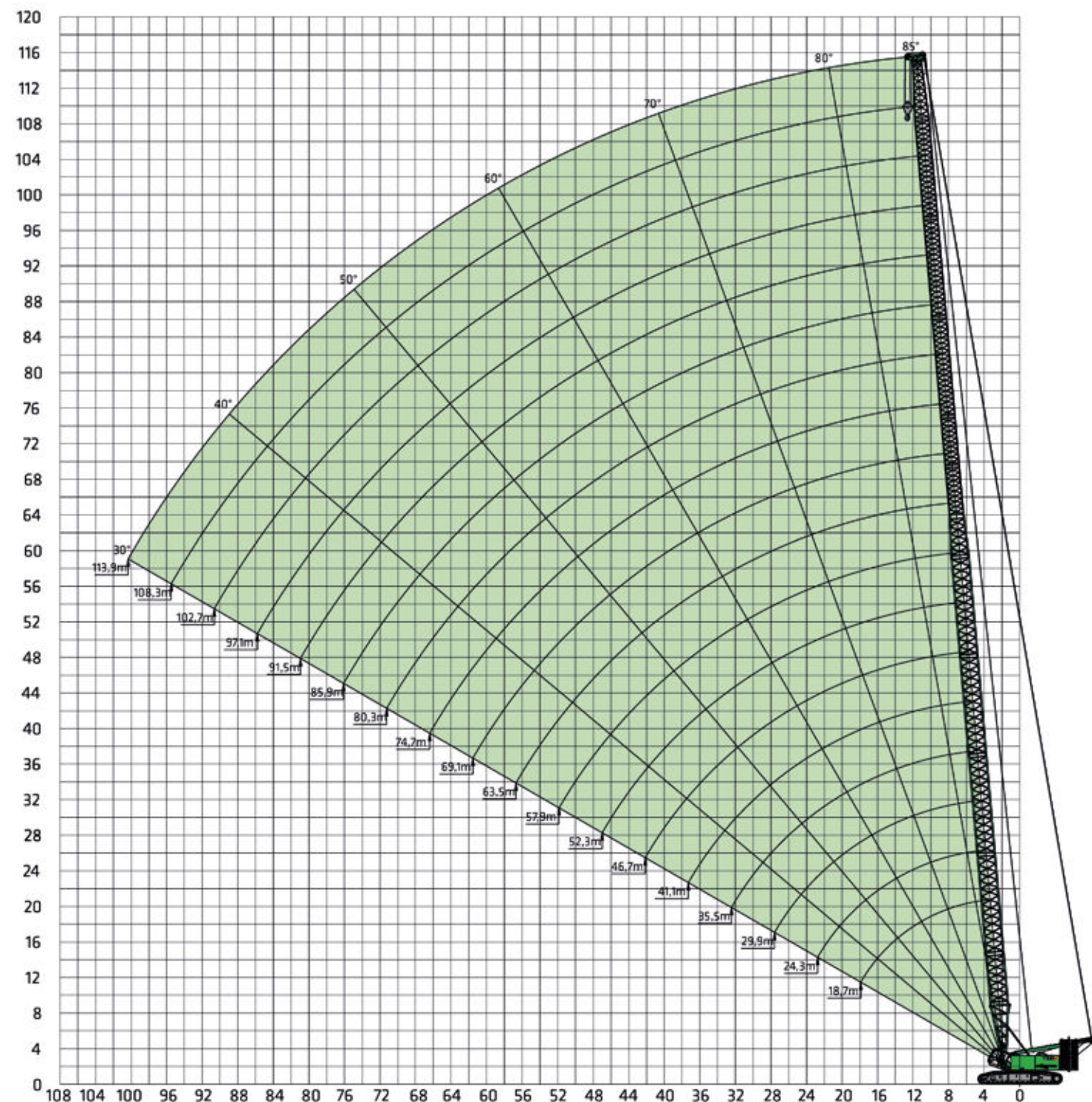
Notes:

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- The load ratings apply for the maximum undercarriage track width.
- Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
- Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
- The load ratings apply to the SH boom (boom assembly as per operating instructions).
- The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
- The load ratings given are for reference only. Please refer to the operating instructions for the relevant applicable load ratings.
- Load ratings for tilts of 2° and 4° are also available on request.

7700G Crane equipment



Main boom SHLH



7700G Load ratings



Main boom SHLH



85 t 40 t	Boom length [m]								
	69.1	74.7	80.3	85.9	91.5	97.1	102.7	108.3	113.9
9.0	87.0								
10.0	83.9	73.0							
12.0	77.9	67.4	60.0	49.7	41.0	34.5			
14.0	68.5	62.3	56.2	46.6	38.7	32.9	26.8	23.5	19.0
16.0	59.5	57.7	52.6	43.7	36.6	31.4	25.7	22.6	18.5
18.0	52.4	50.8	49.2	41.0	34.6	29.9	24.6	21.7	17.9
20.0	46.5	45.2	44.0	38.5	32.7	28.5	23.6	20.8	17.4
24.0	37.4	36.4	35.6	33.9	29.4	25.9	21.7	19.3	16.3
28.0	30.8	30.0	29.3	28.5	26.4	23.5	19.9	17.8	15.2
32.0	25.1	24.9	24.5	23.8	23.2	21.3	18.3	16.4	14.1
36.0	20.6	20.4	20.3	20.0	19.6	18.9	16.7	15.1	13.1
40.0	17.1	16.9	16.8	16.5	16.3	16.0	15.3	13.8	12.0
44.0	14.2	14.0	14.0	13.7	13.5	13.2	12.9	12.5	11.0
48.0	11.9	11.7	11.6	11.4	11.2	10.8	10.6	10.2	9.9
52.0	9.9	9.7	9.7	9.4	9.2	8.9	8.7	8.3	8.0
56.0	8.2	8.1	8.0	7.8	7.6	7.3	7.0	6.7	6.4
60.0	6.7	6.6	6.6	6.3	6.2	5.9	5.6	5.3	5.0
64.0		5.3	5.3	5.1	4.9	4.6	4.4	4.0	3.8
68.0			4.2	4.0	3.8	3.5	3.3	3.0	2.7
72.0				3.0	2.8	2.5	2.3		
76.0									
Number of falls	7	6	5	4	3	3	2	2	2

Notes:

1. The load ratings given apply when the machine is on a firm and level surface.
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3. The load capacities take standards DIN 15019/2 and ISO 4305 into account (tilt angle 4.5°).
4. The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
5. The load ratings apply for the maximum undercarriage track width.
6. Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
7. Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
8. The load ratings apply to the SHLH boom (boom assembly as per operating instructions).
9. The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
10. The load ratings given are for reference only. Please refer to the operating instructions for the relevant applicable load ratings.
11. Load ratings for tilts of 2° and 4° are also available on request.

7700G Load ratings



Main boom SHLH



105 t 40 t	Boom length [m]								
Boom radius [m]	69.1	74.7	80.3	85.9	91.5	97.1	102.7	108.3	113.9
9.0	87.0								
10.0	83.9	73.0							
12.0	77.9	67.4	60.0	49.7	41.0	34.5			
14.0	72.1	62.3	56.2	46.6	38.7	32.9	26.8	23.5	19.0
16.0	66.4	57.7	52.6	43.7	36.6	31.4	25.7	22.6	18.5
18.0	61.0	53.5	49.2	41.0	34.6	29.9	24.6	21.7	17.9
20.0	54.6	49.6	46.0	38.5	32.7	28.5	23.6	20.8	17.4
24.0	44.3	42.8	40.0	33.9	29.4	25.9	21.7	19.3	16.3
28.0	36.7	35.8	34.5	29.7	26.4	23.5	19.9	17.8	15.2
32.0	30.2	30.0	29.6	26.0	23.7	21.3	18.3	16.4	14.1
36.0	25.0	24.9	24.7	22.6	21.3	19.3	16.7	15.1	13.1
40.0	20.4	20.9	20.7	19.6	19.0	17.4	15.3	13.8	12.0
44.0	16.9	17.6	17.5	16.8	16.9	15.7	13.9	12.6	11.0
48.0	14.3	15.0	14.5	14.2	14.4	14.0	12.6	11.4	10.0
52.0	12.6	12.7	11.9	11.9	12.2	11.9	11.4	10.3	9.0
56.0	11.0	10.8	9.7	9.8	10.3	10.0	9.8	9.1	8.1
60.0	9.3	9.2	8.0	8.0	8.7	8.4	8.2	7.8	7.2
64.0		7.7	7.0	6.5	7.3	7.0	6.8	6.4	6.1
68.0			6.4	5.4	6.1	5.8	5.5	5.2	4.9
72.0			5.3	4.7	4.9	4.7	4.4	4.1	3.8
76.0			4.3	4.1	4.0	3.7	3.5	3.1	2.9
Number of falls	7	6	5	4	3	3	2	2	2

Table no. 7700R-80/3504/105.0/08.10 SHLH

Notes:

- The load ratings given apply when the machine is on a firm and level surface.
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- The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
- The load ratings apply for the maximum undercarriage track width.
- Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
- Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
- The load ratings apply to the SHLH boom (boom assembly as per operating instructions).
- The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
- The load ratings given are for reference only. Please refer to the operating instructions for the relevant applicable load ratings.
- Load ratings for tilts of 2° and 4° are also available on request.

7700G Load ratings



Main boom SHLH



135 t 40 t	Boom length [m]								
Boom radius [m]	69.1	74.7	80.3	85.9	91.5	97.1	102.7	108.3	113.9
9.0	87.0								
10.0	83.9	73.0							
12.0	77.9	67.4	60.0	49.7	41.0	34.5			
14.0	72.1	62.3	56.2	46.6	38.7	32.9	26.8	23.5	19.0
16.0	66.4	57.7	52.7	43.7	36.6	31.4	25.7	22.6	18.5
18.0	61.0	53.5	49.2	41.0	34.6	29.9	24.6	21.7	17.9
20.0	55.8	49.6	46.0	38.5	32.7	28.5	23.6	20.8	17.4
24.0	46.0	42.8	40.0	33.9	29.4	25.9	21.7	19.3	16.3
28.0	37.3	37.0	34.5	29.7	26.4	23.5	19.9	17.8	15.2
32.0	30.9	30.7	29.6	26.0	23.7	21.3	18.3	16.4	14.1
36.0	25.0	25.7	25.1	22.6	21.3	19.3	16.7	15.1	13.1
40.0	20.4	21.8	21.2	19.6	19.0	17.4	15.3	13.8	12.0
44.0	16.9	18.7	17.6	16.8	16.9	15.7	13.9	12.6	11.0
48.0	14.3	16.0	14.5	14.2	14.9	14.0	12.6	11.4	10.0
52.0	12.6	13.4	11.9	11.9	12.9	12.5	11.4	10.3	9.0
56.0	11.5	11.1	9.7	9.8	11.1	10.9	10.2	9.1	8.1
60.0	10.2	9.5	8.0	8.0	9.4	9.2	9.0	8.0	7.2
64.0		8.6	7.0	6.5	7.9	7.8	7.5	7.0	6.3
68.0			6.6	5.4	6.6	6.5	6.3	5.9	5.5
72.0				4.8	5.7	5.4	5.1	4.8	4.5
76.0				4.7	4.6	4.3	4.1	3.8	3.5
80.0					3.6	3.4	3.2	2.8	2.6
Number of falls	7	6	5	4	3	3	2	2	2

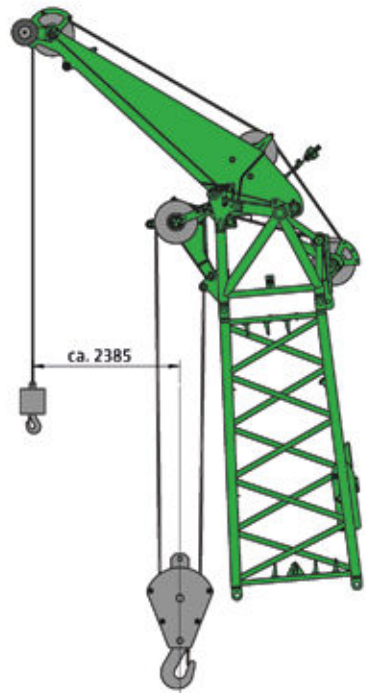
Table no. 7700R-80/3504/135.0/08.10 SHLH

Notes:

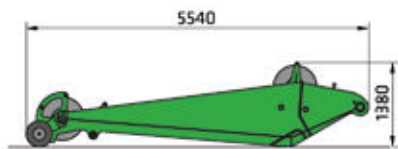
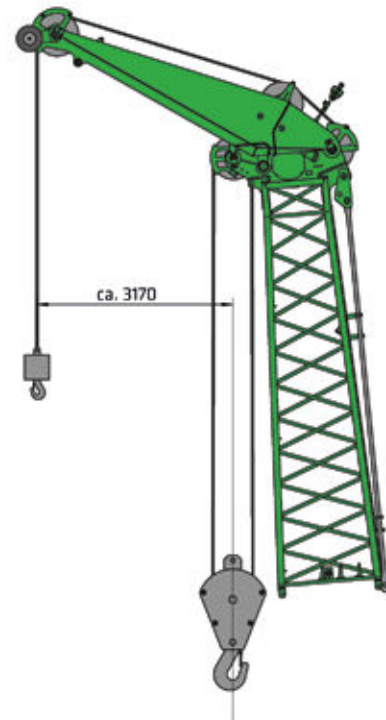
- The load ratings given apply when the machine is on a firm and level surface.
- The load ratings are given in tonnes and apply 360 degrees.
- The load capacities take standards DIN 15019/2 and ISO 4305 into account (tilt angle 4.5°)
- The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
- The load ratings apply for the maximum undercarriage track width.
- Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
- Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
- The load ratings apply to the SHLH boom (boom assembly as per operating instructions).
- The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
- The load ratings given are for reference only. Please refer to the operating instructions for the relevant applicable load ratings.
- Load ratings for tilts of 2° and 4° are also available on request.

7700G Additional equipment

Main boom SH with S 42.1 auxiliary boom
max. load capacity 42.0 t



Main boom SHLH with S 42.1 auxiliary boom
max. load capacity 20.0 t



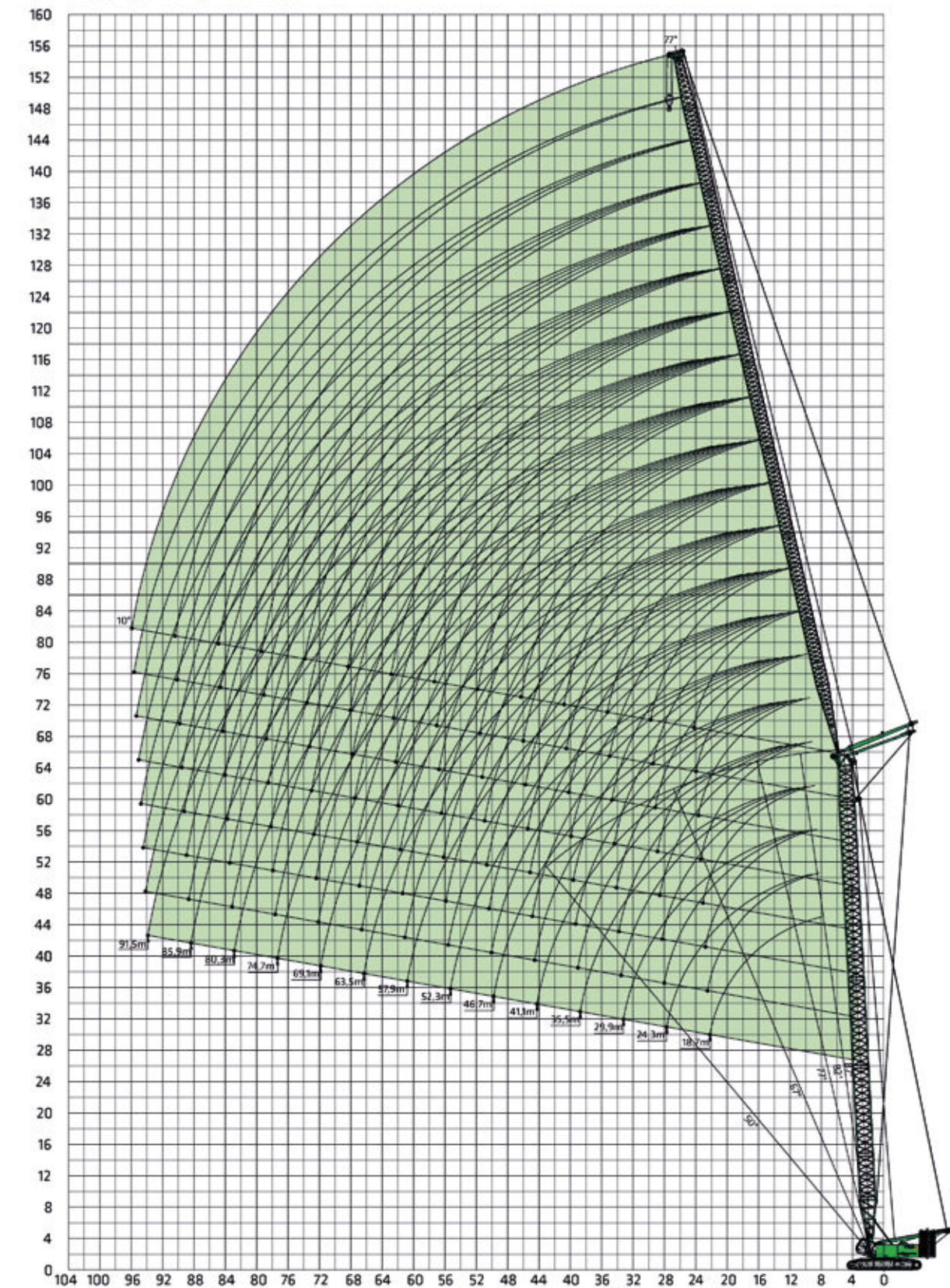
S 42.1 auxiliary boom
Weight: 1300 kg
Load capacity: max. 42.0 t



7700G Crane equipment



**Main boom SH
with tiltable WS fly boom**



7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 87° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0	95.0							92.5						
	12.0	91.5							89.4						
	14.0	88.6	81.0						86.7	76.8					
	16.0	86.0	76.2	61.4					83.7	73.1	57.1				
	18.0	78.3	71.9	58.2	36.6				75.5	69.5	54.7	33.8			
	20.0	68.2	65.6	55.2	35.8	23.7			67.0	63.5	52.4	33.1	22.7		
	24.0		54.2	50.0	34.0	22.8	14.5			52.8	48.1	31.8	21.7	14.1	
	28.0		44.4	43.9	32.3	21.8	13.9	5.9		44.3	42.7	30.6	20.8	13.6	5.1
	32.0		36.9	37.1	30.7	20.8	13.3	5.6		36.9	36.6	29.5	20.0	13.0	4.8
	36.0			31.8	29.4	19.9	12.7	5.4		31.7	28.5	19.3	12.4	4.6	
	40.0				27.5	19.0	12.1	5.1			27.5	18.6	11.9	4.4	
	48.0					20.8	17.5	4.6				20.8	17.4	11.0	4.0
	56.0						16.0	4.1					16.0	10.2	3.5
	64.0							12.7						9.5	3.1
	72.0													8.9	2.6
	80.0														
	84.0														
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	1

Table no. 7700R-80/3504/105.0/08.10 SHWS 87

105 t 40 t 87° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0	92.5							83.6						
	12.0	89.4							81.4	61.8					
	14.0	86.7	68.5						78.3	59.8					
	16.0	83.7	66.1						70.0	57.3	48.7	29.5			
	18.0	75.5	63.5	52.8	31.0				63.4	54.3	46.8	29.1			
	20.0	67.0	59.4	51.2	30.4	21.7				47.9	45.2	28.0	19.5	12.8	
	24.0		49.8	49.5	29.5	20.6	13.8			41.4	42.3	27.2	18.7	12.4	4.4
	28.0		42.7	46.2	28.8	19.8	13.2	4.3		36.1	38.9	26.4	18.1	11.9	4.1
	32.0		37.1	41.5	28.3	19.2	12.7	4.0		31.7	35.2	25.6	17.4	11.4	3.9
	36.0		32.0	36.2	27.7	18.7	12.2	3.8			31.0	24.7	16.9	10.8	3.6
	40.0			31.6	26.6	18.2	11.7	3.6				20.7	15.7	9.9	3.2
	48.0				27.7	20.9	17.2	10.9	3.3				16.8	14.6	9.1
	56.0					16.9	16.0	10.1	3.0					12.7	8.4
	64.0						13.1	9.5	2.7						7.9
	72.0														
	80.0														
	88.0														
Number of falls		7	6	4	3	2	1	1	6	5	4	3	2	1	1

Notes:

- The load ratings given apply when the machine is on a firm and level surface.
- The load ratings are given in tonnes and apply 360 degrees.
- The load capacities take standards DIN 15019/2 and ISO 4305 into account (tilt angle 4.5°).
- The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
- The load ratings apply for the maximum undercarriage track width.
- Load capacities must be limited or reduced in adverse conditions such as soft or uneven ground, slopes, wind, side loads, swinging loads, jolts or sudden stopping of loads, personnel and operators not experienced in handling loads.
- Permissible cable pull per strand in crane mode for cable diameter 28 mm - 14,500 kg.
- The load ratings apply to the SHWS boom (boom assembly as per operating instructions).
- The load ratings apply for optimal boom assembly and pulley head with plastic rollers.
- Load ratings for tilts of 2° and 4° are also available on request.
- The load ratings given are for reference only. Please refer to the operating instructions for the relevant applicable load ratings.

7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 87° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	12.0	80.0							76.7						
	14.0	78.0	61.8						73.3	57.0					
	16.0	75.2	59.0	44.6					69.3	54.3	40.7				
	18.0	67.4	56.7	42.4					63.7	52.0	38.7				
	20.0	61.1	54.7	40.8	27.7				58.8	49.8	37.2	25.5			
	24.0		48.2	38.4	26.6	18.5	11.9			44.5	34.8	24.3	17.4	11.2	
	28.0		41.6	36.4	25.5	17.7	11.5	4.5		39.6	32.8	23.2	16.7	10.9	4.5
	32.0		36.6	34.2	24.5	17.0	11.0	4.2		35.4	30.9	22.2	15.9	10.4	4.2
	36.0			30.3	23.6	16.2	10.5	3.9			28.1	21.3	15.1	9.8	3.9
	40.0			27.2	22.7	15.5	10.0	3.6			25.8	20.5	14.3	9.3	3.6
	48.0				20.5	14.2	8.9	3.1				18.7	12.9	8.2	3.0
	56.0				16.6	13.2	8.1	2.7					11.9	7.3	
	64.0					12.2	7.4						10.9	6.5	
	72.0						6.8							5.8	
	80.0														
Number of falls		6	5	4	2	2	1	1	6	4	3	2	2	1	1

Table no. 7700R-80/3504/105.0/08.10 SHWS 87

105 t 40 t 87° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	12.0	73.5							63.7						
	14.0	68.5	52.2						58.8	44.7					
	16.0	63.5	49.7	36.7					55.1	42.7					
	18.0	60.0	47.2	35.0					52.5	40.5	30.2				
	20.0	56.6	44.9	33.6	23.2				49.7	38.7	28.5	20.1			
	24.0	48.0	40.8	31.2	22.0	16.4			43.0	35.6	26.3	18.4	14.1		
	28.0		37.6	29.3	21.0	15.7	10.4	4.5		32.9	24.7	17.0	13.1	8.8	
	32.0		34.3	27.6	20.0	14.8	9.8	4.3		30.1	23.3	15.8	12.1	8.2	
	36.0			26.0	19.1	13.9	9.2	3.9			21.8	14.8	11.1	7.6	
	40.0			24.4	18.2	13.0	8.6	3.5			20.4	13.9	10.2	7.0	
	48.0				16.9	11.6	7.5	2.8				12.6	8.8	5.9	
	56.0				16.0	10.6	6.5					11.5	7.9	5.0	
	64.0					9.6	5.7						7.0	4.2	
	72.0						4.9							3.5	
	76.0						4.3							3.2	
Number of falls		6	4	3	2	2	1	1	5	4	3	2	1	1	1

105 t 40 t 87° SH		Main boom length 69.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	12.0	54.0						
	14.0	49.0						
	16.0	46.7	35.8					
	18.0	45.0	33.8	25.3				
	20.0	42.8	32.5	23.5	17.0			
	22.0	40.2	31.4	22.2	15.8			
	24.0	38.0	30.4	21.3	14.7	11.8		
	28.0		28.1	20.0	13.0	10.5	7.2	
	32.0		25.9	18.9	11.6	9.3	6.5	
	36.0			17.7	10.5	8.3	5.9	
	40.0			16.4	9.7	7.4	5.3	
	48.0				8.4	6.0	4.3	
	56.0				7.0	5.1	3.5	
	64.0					4.3	2.7	
	72.0							
Number of falls		4	3	2	2	1	1	

7700G Load ratings



Main SH boom
with tiltable WS fly boom



105 t 40 t 82° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	14.0	93.1							86.7						
	16.0	85.3							81.3						
	18.0	75.6	67.4						72.2	66.0					
	20.0	66.9	63.3	51.3					64.5	60.7					
	24.0	53.0	52.6	45.9	33.0				52.4	50.6	45.8	31.5			
	28.0		43.3	42.3	31.8	21.2			42.5	40.7	30.6	20.5			
	32.0		36.7	35.8	30.5	20.4	13.1		36.1	35.0	29.6	19.9	13.0		
	36.0			30.9	29.2	19.6	12.5			30.4	28.5	19.2	12.5		
	40.0			27.0	25.9	18.9	11.9	5.6		26.5	25.4	18.5	11.9	5.2	
	48.0				20.3	17.6	10.9	4.6		19.9	17.2	10.9	4.4		
	56.0				16.4	15.5	10.0	3.8			16.1	15.2	10.0	3.7	
	64.0					12.7	9.2	3.3				12.4	9.2	3.1	
	72.0						8.5	2.7					8.5	2.6	
	80.0														
	88.0														
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	1

Table no. 7700R-80/3504/105.0/08.10 SHWS 82

105 t 40 t 82° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	16.0	77.3							73.4						
	18.0	68.8	64.5						65.5						
	20.0	62.0	58.2						59.2	55.6					
	24.0	51.7	48.7	45.7					49.5	46.5	43.7				
	28.0		41.7	39.1	29.5				39.9	37.5	28.2				
	32.0		35.6	34.1	28.6	19.4	12.9		34.5	32.7	27.1	18.3			
	36.0		30.7	29.8	27.8	18.8	12.5		30.1	28.7	26.1	17.5	11.5		
	40.0			26.1	24.9	18.1	12.1	4.8		25.4	23.8	16.7	11.0	4.4	
	48.0			20.6	19.5	16.7	11.2	4.2		20.1	19.0	15.2	10.0	3.9	
	56.0				15.7	14.8	10.3	3.7			15.3	13.8	9.1	3.6	
	64.0					12.1	9.4	3.2				11.7	8.3	3.2	
	72.0						8.8	2.7					7.7	2.7	
	80.0						7.5						6.7		
	88.0														
Number of falls		7	6	4	3	2	1	1	6	5	4	3	2	1	1

7700G Load ratings



Main SH boom
with tiltable WS fly boom



105 t 40 t 82° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	16.0	69.6													
	18.0	62.2							59.0						
	20.0	56.3	52.9						53.4						
	24.0	47.2	44.4	41.6					44.9	42.2	38.0				
	28.0		38.2	35.8	27.0					36.4	34.0	24.5			
	32.0		33.4	31.2	25.5	17.2				31.8	29.7	22.7	16.0		
	36.0		29.6	27.6	24.3	16.1	10.6			28.2	26.3	21.3	15.0	10.1	
	40.0			24.7	22.7	15.2	9.9	4.0			23.5	19.9	14.1	9.6	3.8
	48.0			19.7	18.4	13.7	8.8	3.7			19.0	16.7	12.6	8.6	3.5
	56.0				14.9	12.7	7.9	3.4				14.0	11.5	7.9	3.2
	64.0					11.3	7.2	3.2					10.4	7.2	3.0
	72.0						6.6	2.8					9.0	6.6	2.7
	80.0						5.9							5.9	
	88.0														
	92.0														
Number of falls		6	5	4	2	2	1	1	6	4	3	2	2	1	1

Table no. 7700R-80/3504/105.0/08.10 SHWS 82

105 t 40 t 82° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	18.0	55.7													
	20.0	50.5							47.7						
	24.0	42.6	40.1						40.2	37.8					
	28.0	36.8	34.5	32.2	22.0				34.8	32.6	29.2				
	32.0		30.3	28.2	19.8	14.7				28.6	25.9	18.4			
	36.0		26.9	25.0	18.3	13.8	9.5			25.4	23.0	16.6	12.3	8.4	
	40.0		24.3	22.3	17.0	12.9	9.2			23.0	20.6	15.2	11.4	8.1	
	48.0			18.3	15.0	11.5	8.5	3.3			17.1	12.8	9.8	7.2	
	56.0				13.1	10.4	7.8	3.0				10.5	8.5	6.3	
	64.0					9.4	7.2	2.8					7.2	5.4	
	72.0					8.4	6.6	2.6					6.1	4.6	
	80.0						5.9							3.8	
	88.0														
	92.0														
Number of falls		6	4	3	2	2	1	1	5	4	3	2	1	1	

105 t 40 t 82° SH		Main boom length 69.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	20.0	44.8						
	24.0	37.9	35.6					
	28.0	32.8	30.8	26.2				
	32.0		27.0	23.6	16.9			
	36.0		24.0	21.1	15.0	10.8		
	40.0		21.6	19.0	13.4	9.8	7.0	
	48.0			15.9	10.6	8.1	5.9	
	56.0				8.0	6.6	4.8	
	64.0					5.0	3.7	
	72.0					3.7	2.6	
Number of falls		4	3	2	2	1	1	

7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 77° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	18.0	73.2							67.7						
	20.0	65.1							61.9						
	24.0	51.6	51.0						50.3	48.5					
	28.0		42.0	41.0					40.7	38.9					
	32.0		35.5	34.6	33.1				34.6	33.4	31.4				
	36.0		30.6	29.8	28.6	23.2			29.9	28.9	27.4	22.7			
	40.0			26.0	24.9	22.0	15.3			25.3	24.1	21.7	15.1		
	48.0			20.5	19.5	18.5	13.7	5.8		19.9	18.8	17.8	13.6	5.4	
	56.0				15.7	14.8	12.0	5.0			15.1	14.2	12.0	4.7	
	64.0					12.0	10.3	4.4				11.5	10.2	4.1	
	72.0						8.8	3.8					8.5	3.6	
	80.0						7.4	3.4					7.0	3.0	
	88.0							3.0							
	96.0							2.6							
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	1

Table no. 7700R-80/3504/105.0/08.10 SHWS 77

105 t 40 t 77° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	20.0	58.8													
	24.0	48.9	46.1						46.0						
	28.0	40.5	39.4	36.9					38.7	37.2					
	32.0		33.7	32.1	29.8				32.2	30.3					
	36.0		29.1	28.1	26.2				28.1	26.6	24.6				
	40.0		25.4	24.5	23.3	21.3			24.6	23.5	21.9	19.6			
	48.0			19.3	18.1	17.1	13.5	5.0		18.6	17.3	16.0	12.1		
	56.0				14.6	13.6	12.0	4.4			13.9	12.9	10.7	3.8	
	64.0					11.0	10.0	3.9				10.4	9.2	3.5	
	72.0					9.1	8.1	3.3				8.5	7.6	3.1	
	80.0						6.6	2.7					6.1	2.7	
	88.0														
	96.0														
Number of falls		7	6	4	3	2	1	1	6	5	4	3	2	1	

7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 77° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	24.0	47.0							40.5						
	28.0	36.9	35.1						34.8	32.6					
	32.0		30.6	28.5					30.4	28.6	26.4				
	36.0		27.1	25.2	23.1					25.3	23.4	20.7			
	40.0		23.8	22.4	20.5	17.8				22.4	20.9	18.9			
	48.0			17.9	16.5	15.0	10.7				16.8	15.2	13.7	10.6	
	56.0				13.3	12.1	9.5	3.3				12.3	11.0	9.0	
	64.0				10.8	9.8	8.5	3.1				10.1	8.9	7.6	
	72.0					8.0	7.0	2.9					7.3	6.1	
	80.0						5.6	2.7						4.9	
	88.0													3.2	
	96.0														
Number of falls		6	5	4	2	2	1	1	6	4	3	2	2	1	

Table no. 7700R-80/3504/105.0/08.10 SHWS 77

105 t 40 t 77° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	24.0	37.9													
	28.0	32.6							30.1						
	32.0	28.5	26.6						26.3	24.5					
	36.0		23.5	21.7						21.7	19.9				
	40.0		21.1	19.3	17.4					19.4	17.7	15.7			
	48.0			15.7	13.9	12.4	10.5				14.3	12.5	11.0	8.0	
	56.0			13.0	11.3	9.9	8.6				11.8	10.1	8.7	7.2	
	64.0				9.4	8.0	6.7					8.3	7.0	5.6	
	72.0					6.5	5.3						5.6	4.3	
	80.0						4.1							3.2	
	88.0						3.2								
Number of falls		6	4	3	2	2	1		5	4	3	2	1	1	

105 t 40 t 77° SH		Main boom length 69.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	28.0	27.6						
	32.0	24.2	22.5					
	36.0	21.5	19.8	18.0				
	40.0		17.7	16.0				
	48.0			12.9	11.1	9.7		
	56.0			10.6	8.9	7.6		
	64.0				7.3	5.9		
	72.0					4.7		
Number of falls		4	3	2	2	1		

7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 67° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	24.0	48.7							38.3						
	28.0	40.1							32.3	31.7					
	32.0		33.3							27.3					
	36.0		28.7	27.7						23.9	22.8				
	40.0		25.1	24.2							17.9	16.7			
	48.0			19.0	17.8	16.8						13.3	12.3	9.4	
	56.0				14.3	13.3	10.0					10.9	9.9	8.4	
	64.0					10.8	8.9	3.0				8.0	7.1		
	72.0					8.8	7.9	2.8							
	80.0						6.4	2.6							
	88.0														
	96.0														
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	

Table no. 7700R-80/3504/105.0/08.10 SHWS 67

105 t 40 t 67° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	28.0	36.5													
	32.0	30.9							29.0						
	36.0		25.9						25.0	24.2					
	40.0		22.6	21.5						21.1					
	48.0			16.8	15.5						15.6				
	56.0			13.6	12.4	11.3					12.5	11.2	10.1		
	64.0				10.0	9.0	7.9				9.0	8.0	6.8		
	72.0					7.3	6.2					6.4	5.3		
	80.0						4.9					5.0	4.1		
	88.0						3.8						3.1		
	92.0												2.7		
Number of falls		7	6	4	3	2	1		6	5	4	3	2	1	



Main boom SH
with tiltable WS fly boom



105 t 40 t 67° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	34.0	25.2													
	38.0	21.8							19.8						
	40.0		19.6												
	48.0		15.4	14.3						13.9	12.6				
	56.0			11.4	10.1						10.1	8.6			
	64.0				8.1	7.0	5.7					6.8	5.6		
	72.0				6.5	5.5	4.4					5.4	4.3	3.0	
	80.0					4.3	3.2						3.2		
Number of falls		6	5	4	2	2	1		6	4	3	2	2	1	

7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 67° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	38.0	17.9													
	40.0	16.8							14.4						
	48.0		12.4							10.4					
	56.0			8.8	7.0					8.4	7.0				
	64.0			7.1	5.5	4.2					5.6	4.0			
	72.0				4.3	3.0						2.9			
	80.0														
	Number of falls	6	5	4	2	2	1		5	4	3	2			

Table no. 7700R-80/3504/105.0/08.10 SHWS 67

105 t 40 t 67° SH		Main boom length 69.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	42.0	11.3						
	50.0		8.0					
	58.0		6.4	5.0				
	60.0			4.7				
	66.0			3.8				
	70.0							
	80.0							
	Number of falls	6	3	2				



Main boom SH
with tiltable WS fly boom



105 t 40 t 50° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	34.0	28.4													
	38.0								22.6						
	42.0		21.1												
	50.0									15.1					
	58.0			12.8							11.3				
	66.0				9.4							8.1			
	74.0					6.8							5.5		
	82.0						4.5						4.3	3.2	
	90.0						3.5								
	94.0														
Number of falls		7	7	5	3	2	2		7	6	5	3	2	1	

Table no. 7700R-80/3504/105.0/08.10 SHWS 50

105 t 40 t 50° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	42.0	17.9													
	50.0		13.5												
	58.0			9.9						8.7					
	66.0										6.5				
	74.0				5.3							4.0			
	82.0					3.2									
	86.0					2.8									
	Number of falls	7	6	4	3	2			6	5	4	3			

7700G Load ratings



Main boom SH
with tiltable WS fly boom



105 t 40 t 50° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	48.0	11.2													
	56.0														
	64.0									4.8					
	72.0			4.2											
	78.0														
Number of falls		6		4						4					

105 t 40 t 50° SH		Main boom length 57.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	56.0	5.0						
	64.0		3.0					
	68.0		2.6					
Number of falls		6	4					

Table no. 7700R-80/3504/105.0/08.10 SHWS 50

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 87° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0	95.0							92.5						
	12.0	91.5	86.3						89.4	80.1					
	14.0	88.6	81.0						86.7	76.8					
	16.0	86.0	76.2	61.4					83.7	73.1	57.1				
	18.0	78.3	71.9	58.2	36.6				75.5	69.5	54.7	33.8			
	20.0	68.2	65.6	55.2	35.8	23.7			67.0	65.8	52.4	33.1	22.7		
	24.0		54.2	50.0	34.0	22.8	14.5			54.6	48.1	31.8	21.7	14.1	
	28.0		44.4	43.9	32.3	21.8	13.9	5.9		44.4	42.7	30.6	20.8	13.6	5.1
	32.0		36.9	37.1	30.7	20.8	13.3	5.6		36.9	36.6	29.5	20.0	13.0	4.8
	36.0			31.8	29.4	19.9	12.7	5.4			31.7	28.5	19.3	12.4	4.6
	40.0			27.5	27.1	19.0	12.1	5.1			27.5	26.8	18.6	11.9	4.4
	48.0				20.8	17.5	11.1	4.6				20.8	17.4	11.0	4.0
	56.0					13.4	7.6	16.3					16.0	10.2	3.5
	64.0					12.7	9.6	3.4					12.7	9.5	3.1
	72.0						8.9	2.8						8.9	2.6
	80.0														
	84.0														
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	1

Table no. 7700R-80/3504/135.0/08.10 SHWS 87

135 t 40 t 87° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0	90.0													
	12.0	87.2							83.6						
	14.0	84.7	72.7						81.4	67.3					
	16.0	82.0	70.0	52.8					79.0	64.5	48.7				
	18.0	79.0	67.0	51.2	31.0				76.5	61.9	46.8	29.5			
	20.0	75.3	63.9	49.5	30.4	21.7			73.7	59.3	45.2	29.1	20.3		
	24.0		57.5	46.2	29.5	20.6	13.8			54.0	42.3	28.0	19.5	12.8	
	28.0		48.5	43.1	28.8	19.8	13.2	4.3		47.2	39.7	27.2	18.7	12.4	4.4
	32.0		40.3	40.1	28.3	19.2	12.7	4.0		40.3	37.2	26.4	18.1	11.9	4.1
	36.0			34.6	27.7	18.7	12.2	3.8			33.3	25.6	17.4	11.4	3.9
	40.0			29.9	27.1	18.2	11.7	3.6			29.8	24.9	16.9	10.8	3.6
	48.0				22.7	17.2	10.9	3.3				22.0	15.7	9.9	3.2
	52.0				20.1	16.7	10.5	3.2				20.1	15.2	9.5	3.0
	60.0					15.7	9.8	2.9					14.2	8.7	2.7
	68.0						9.3	2.6						8.2	2.5
	72.0						9.1							7.9	
	80.0														
	88.0														
Number of falls		7	6	4	3	2	1	1	6	5	4	3	2	1	1

7700G Load ratings



Main boom SH
with tiltable WS fly boom



PRELIMINARY

135 t 40 t 87° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0														
	12.0	80.0							76.7						
	14.0	78.0	61.8						73.3	57.0					
	16.0	76.0	59.0	44.6					68.3	54.3	40.7				
	18.0	74.0	56.7	42.4					67.0	52.0	38.7	25.8			
	20.0	72.0	54.7	40.8	27.7				64.9	49.8	37.2	25.5			
	24.0		50.4	38.4	26.6	18.5				45.6	34.8	24.3			
	28.0		45.8	36.4	25.5	17.7	11.5	4.5		39.9	31.9	23.2			
	32.0		42.1	34.3	24.5	17.0	11.0	4.2		38.9	30.9	22.2			
	36.0			31.9	23.6	16.2	10.5	3.9			29.0	21.3			
	40.0			29.7	22.7	15.5	10.0	3.6			27.0	20.5			
	48.0				21.3	14.2	8.9	3.1				19.1	12.9	8.2	3.0
	52.0				20.7	13.7	8.3	2.9				18.5	12.4	7.7	2.7
	60.0					12.7	7.7	2.6					11.4	6.9	
	68.0						7.1							6.2	
	76.0						6.4							5.4	
	84.0														
Number of falls		6	5	4	2	2	1	1	6	5	3	2	2	1	1

135 t 40 t 87° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0														
	12.0	73.5							63.7						
	14.0	68.5	52.2						58.8	44.7					
	16.0	63.5	49.7						55.1	42.7					
	18.0	60.0	47.2						52.5	40.5	30.2				
	20.0	57.8	44.9	33.6	23.2				50.3	38.7	28.5	20.1			
	24.0	48.0	40.8	31.2	22.0	16.4			43.0	35.6	26.3	18.4	14.1		
	28.0		37.6	29.3	21.0	15.7	10.4	4.5		32.9	24.7	17.0	13.1	8.8	
	32.0		34.4	27.6	20.0	14.8	9.8	4.3		30.1	23.3	15.8	12.1	8.2	
	36.0			26.0	19.1	13.9	9.2	3.9			21.8	14.8	11.1	7.6	
	40.0			24.4	18.2	13.0	8.6	3.5			20.4	13.9	10.2	7.0	
	48.0				16.9	11.6	7.5	2.8				12.6	8.8	5.9	
	52.0				16.4	11.0	7.0	2.6				12.1	8.3	5.4	
	60.0					10.2	6.1						7.4	4.6	
	68.0					8.8	5.3						6.3	3.9	
	76.0						4.3							3.2	
	84.0														
Number of falls		6	4	3	2	2	1	1	5	4	3	2	1	1	

Table no. 7700R-80/3504/135.0/08.10 SHWS 87

PRELIMINARY

135 t 40 t 87° SH		Main boom length 69.1 m							Main boom length 74.7 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	10.0														
	12.0	54.0							44.0						
	14.0	49.0							42.5						
	16.0	46.7	35.8						40.5	31.3					
	18.0	45.0	33.8	25.3					38.7	29.8	22.3				
	20.0	42.8	32.5	23.5	17.0				37.5	28.3	21.0	15.0			
	24.0	38.0	30.4	21.3	14.7	11.8			35.0	25.8	18.8	13.0	9.6		
	28.0		28.1	20.0	13.0	10.5	7.2			24.6	17.2	11.6	8.7	6.3	
	32.0		25.9	18.9	11.6	9.3	6.5			23.7	16.0	10.5	7.9	5.9	
	36.0			17.7	10.5	8.3	5.9				15.0	9.6	7.2	5.4	
	40.0			16.4	9.7	7.4	5.3				14.2	8.8	6.6	4.8	
	48.0				8.4	6.0	4.3					7.3	5.4	3.7	
	52.0				7.8	5.5	3.9					6.6	4.9	3.1	
	60.0					4.7	3.1						3.9		
	68.0					3.9							2.8		
	76.0														
Number of falls		6	4	3	2	2	1	1	5	4	3	2	1	1	



Main SH boom
with tiltable WS fly boom



135 t 40 t 82° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	13.0	95.0													
	15.0	91.0							93.0						
	17.0	87.0	70.0						87.4						
	19.0	84.0	65.2						81.4	65.2					
	20.0	79.9	63.3	51.3					77.5	63.3					
	24.0	60.0	57.3	45.9	33.0				61.1	57.3	46.3	31.5			
	28.0		49.5	42.3	31.8	21.2				49.5	43.5	30.6	20.5		
	32.0		40.8	39.5	30.5	20.4	13.1			40.8	40.4	29.6	19.9	13.0	
	36.0			34.6	29.2	19.6	12.5				35.6	28.5	19.2	12.5	
	40.0			29.8	28.0	18.9	11.9	5.6			30.9	27.5	18.5	11.9	5.2
	48.0				22.3	17.6	10.9	4.6				22.3	17.2	10.9	4.4
	56.0				17.4	16.3	10.0	3.8				17.4	15.9	10.0	3.7
	64.0					13.6	9.2	3.3					13.6	9.2	3.1
	72.0						8.5	2.7						8.5	2.6
	80.0														
	88.0														
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	1

135 t 40 t 82° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	15.0	95.0													
	19.0	78.8	67.6						75.4	64.4					
	20.0	75.0	67.2						71.8	64.4					
	24.0	62.3	59.1	46.7					60.0	58.5	44.3				
	28.0		50.8	44.6	30.0					48.9	41.6	28.2			
	32.0		43.2	41.2	29.5					42.2	38.4	27.1	18.3		
	36.0		37.4	36.5	28.6	19.4	12.9			36.8	34.9	26.1	17.5	11.5	
	40.0			32.0	27.8	18.8	12.5				31.5	25.1	16.7	11.0	4.4
	48.0			25.2	26.1	17.4	11.6	4.4			24.9	22.9	15.2	10.0	3.9
	56.0				21.9	16.1	10.7	3.9				19.3	14.1	9.1	3.6
	64.0					15.0	9.8	3.5					13.4	8.3	3.2
	72.0					13.7	9.1	3.0					10.2	7.7	2.7
	80.0						8.6	2.5						7.2	
	88.0														
	92.0														
Number of falls		7	6	4	3	2	1	1	6	5	4	3	2	1	1

Table no. 7700R-80/3504/135.0/08.10 SHWS 82

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 82° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	16.0	84.7													
	18.0	75.8							72.3						
	20.0	68.6	61.6						65.5						
	24.0	57.8	54.0	42.0					55.2	50.6	38.2				
	28.0		47.0	38.5	27.0					44.9	35.6	24.5			
	32.0		41.3	35.7	25.5	17.2				39.6	32.8	22.7	16.0		
	36.0		36.2	33.2	24.3	16.1	10.6			35.0	30.5	21.3	15.0	10.1	
	40.0			30.9	23.3	15.2	9.9	4.0			28.1	20.2	14.1	9.6	3.8
	48.0			24.6	21.4	13.7	8.8	3.7			22.9	18.2	12.6	8.6	3.5
	56.0					19.1	12.7	7.9	3.4			16.1	11.5	7.9	3.2
	64.0					12.0	7.2	3.2					10.7	7.2	3.0
	72.0						6.6	2.8					9.1	6.6	2.7
	80.0						5.9	2.5						5.9	2.5
	92.0														
Number of falls		6	5	4	2	2	1	1	6	5	3	2	2	1	1

Table no. 7700R-80/3504/135.0/08.10 SHWS 82

135 t 40 t 82° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	18.0	68.7													
	20.0	62.4							57.4						
	24.0	52.7	47.1						48.6	42.3					
	28.0	45.8	42.8	32.6	22.0				43.1	38.0	29.4				
	32.0		37.9	29.9	19.8	14.7				33.7	26.8	18.4			
	36.0		33.8	27.7	18.3	13.8	9.5			30.6	24.4	16.6	12.3	8.4	
	40.0		30.6	25.4	17.0	12.9	9.2			28.0	22.2	15.2	11.4	8.1	
	48.0			21.2	15.0	11.5	8.5	3.3			18.5	12.8	9.8	7.2	
	56.0				13.1	10.4	7.8	3.0				10.5	8.5	6.3	
	64.0					9.4	7.2	2.8					7.2	5.4	
	72.0					8.4	6.6	2.6					6.1	4.6	
	80.0						6.1							3.9	
	88.0														
	92.0														
Number of falls		6	4	3	2	2	1	1	5	4	3	2	1	1	

135 t 40 t 82° SH		Main boom length 69.1 m							Main boom length 74.7 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	20.0	52.2							42.0						
	24.0	44.5	37.4						38.0	31.0					
	28.0	40.5	33.2	26.2					34.2	28.4	21.9				
	32.0		29.6	23.6	16.9					26.1	20.2	14.0			
	36.0		27.3	21.1	15.0	10.8				24.1	18.8	13.0	9.5		
	40.0		25.3	19.0	13.4	9.8	7.0			22.3	17.4	12.0	8.8	5.8	
	48.0			15.9	10.6	8.1	5.9				14.9	10.0	7.3	4.8	
	56.0				8.0	6.6	4.8					8.0	6.0	3.6	
	64.0					5.0	3.7					5.5	4.7	2.5	
	72.0					3.7	2.6						3.2		
	76.0														
Number of falls		4	3	2	2	1	1		4	3	2	2	1	1	

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 77° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	17.0	93.5													
	19.0	83.5							79.4						
	20.0	78.2							74.9						
	24.0	62.2	61.5						61.0	59.0					
	28.0		50.8	47.6						49.6	46.6				
	32.0		43.1	42.2	33.1					42.2	41.0	31.5			
	36.0		37.3	36.5	31.3	23.2				36.5	35.6	30.3	22.6		
	40.0			32.0	29.7	22.0	15.3				31.2	29.2	21.7	15.1	
	48.0			24.2	23.9	19.7	13.7	5.8			24.2	23.5	19.6	13.6	5.4
	56.0				18.6	17.4	12.0	5.0				18.7	17.5	12.0	4.7
	64.0					14.5	10.3	4.4					14.5	10.3	4.1
	72.0						8.8	3.8						8.8	3.6
	80.0						7.8	3.4						7.7	3.0
	88.0							3.0							2.5
	96.0							2.6							
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	1

Table no. 7700R-80/3504/135.0/08.10 SHWS 77

135 t 40 t 77° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	19.0	75.4													
	20.0	71.7													
	24.0	59.8	56.5						56.7						
	28.0	49.4	48.4	45.7					47.7	46.1					
	32.0		41.3	39.9	30.0					39.9	38.0				
	36.0		35.7	34.7	29.3					34.8	33.3	28.7			
	40.0		31.4	30.5	28.6	21.3				30.5	29.5	27.6	19.6		
	48.0			24.2	23.0	19.4	13.5	5.0			23.5	22.2	17.7	12.1	
	56.0				18.7	17.6	12.0	4.4				18.0	15.7	10.7	3.8
	64.0					14.6	10.6	3.9					13.5	9.5	3.5
	72.0					12.2	9.1	3.3					11.7	8.4	3.1
	80.0						7.7	2.7						7.3	2.7
	88.0														
	96.0														
Number of falls		7	6	4	3	2	1	1	6	5	4	3	2	1	1

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 77° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	22.0	58.3													
	26.0	49.5	47.1						47.0						
	32.0		38.4	36.0					38.3	36.3	33.8				
	36.0		33.8	31.9	28.0					32.1	30.1	24.3			
	40.0		29.7	28.6	26.5	17.8				28.5	27.0	23.4			
	48.0			22.7	21.5	15.9	10.7				21.8	20.0	15.2	10.6	
	56.0				17.4	13.9	9.5	3.3				16.6	13.2	9.4	
	64.0				14.4	12.5	8.5	3.1				13.8	11.8	8.3	
	72.0					11.2	7.6	2.9					10.6	7.4	
	80.0						6.9	2.7						6.8	
	88.0							2.5						6.1	
	96.0														
Number of falls		6	5	4	2	2	1	1	6	5	3	2	2	1	

135 t 40 t 77° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	24.0	47.9													
	28.0	41.3							38.7						
	36.0		30.4	28.3						28.4	26.4				
	40.0		27.3	25.4	20.4					25.5	23.6	18.7			
	48.0			20.8	18.5	14.5	10.5				19.4	16.2	12.4	8.0	
	56.0			17.1	15.7	12.6	9.2				16.1	13.4	10.5	7.2	
	64.0				13.1	11.1	8.1					10.7	9.0	6.2	
	72.0					10.0	7.2						7.9	5.4	
	80.0						6.6							4.8	
	88.0						6.1								
	92.0														
Number of falls		6	4	3	2	2	1		5	4	3	2	1	1	

135 t 40 t 77° SH		Main boom length 69.1 m							Main boom length 74.7 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	28.0	36.1							33.4						
	32.0	31.7	29.8						29.4						
	36.0	28.4	26.5	24.5					26.2	24.4					
	40.0		23.8	21.9						21.9	19.7				
	48.0			18.0	14.5	10.4				18.1	16.4	11.0			
	56.0			15.1	11.3	8.4					13.7	9.0			
	64.0				8.7	6.9						7.0			
	72.0					5.8									
	80.0					4.8									
	84.0														
Number of falls		4	3	2	2	1			4	3	2	2			

Table no. 7700R-80/3504/135.0/08.10 SHWS 77

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 67° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	24.0	59.3													
	28.0	48.9							47.2						
	32.0		40.9						39.9	39.3					
	36.0		35.4	34.4						34.0					
	40.0		31.0	30.1						29.8	28.8				
	48.0			23.9	22.7	18.4					22.8	21.6			
	56.0				18.4	15.6	10.0					17.5	15.5	10.3	
	58.0				17.6	15.0	9.8					16.6	14.8	10.0	
	64.0					13.7	8.9	3.0				14.4	13.0	9.2	
	72.0					12.0	7.9	2.8					11.2	7.9	
	80.0						7.3	2.6						7.2	
	88.0							2.5							
	96.0														
Number of falls		7	7	5	3	2	2	1	7	6	5	3	2	1	

135 t 40 t 67° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	28.0	45.4													
	32.0	38.5							36.7						
	36.0		32.6						31.6	30.9					
	40.0		28.5	27.4						27.1					
	48.0			21.7	20.4						20.4				
	56.0			17.7	16.5	15.4					16.6	15.3	14.1		
	64.0				13.6	12.4	9.7					12.6	11.5	9.6	
	80.0						7.1						7.8	6.6	
	88.0						6.4							5.6	
	96.0														
Number of falls		7	6	4	3	2	1		6	5	4	3	2	1	

Table no. 7700R-80/3504/135.0/08.10 SHWS 67

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 67° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	34.0	32.3													
	38.0	28.1							26.3						
	40.0		25.6												
	44.0		22.7							21.1					
	48.0		20.3	19.2						18.8	17.6				
	52.0			17.2	15.8					16.9	15.8				
	60.0			14.2	12.8	11.7					13.0	11.6	10.3		
	68.0				10.6	9.5	8.4					9.5	8.4	5.9	
	76.0					7.8	6.8						6.8	5.3	
	84.0						5.5						5.6	4.5	
	92.0						4.4							3.5	
	96.0														
Number of falls		6	5	4	2	2	1		6	5	3	2	2	1	

135 t 40 t 67° SH		Main boom length 57.9 m							Main boom length 63.5 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	38.0	24.5													
	40.0	22.9							20.6						
	44.0		19.5						18.3						
	48.0		17.4							15.5					
	52.0		15.6	14.4						14.0	12.6				
	60.0			11.8	10.3						10.3	8.7			
	68.0				8.4	7.2						7.0	5.3		
	76.0				7.0	5.8						5.7	4.2		
	84.0					4.7							3.3		
	92.0														
Number of falls		6	4	3	2	2			5	4	3	2	1		

135 t 40 t 67° SH		Main boom length 69.1 m							Main boom length 74.7 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	42.0	17.2													
	50.0		12.9						12.0	10.8					
	58.0		10.8	9.2						8.9	7.4				
	64.0			8.0	6.3						6.3				
	72.0				5.0						5.2				
	80.0				4.0										
Number of falls		4	3	2	2				4	3	2				

Table no. 7700R-80/3504/135.0/08.10 SHWS 67

7700G Load ratings



Main boom SH
with tiltable WS fly boom



135 t 40 t 50° SH		Main boom length 24.3 m							Main boom length 29.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	34.0	35.5													
	38.0								28.9						
	42.0		26.7												
	50.0									19.8					
	58.0			16.7							15.3				
	66.0				12.9							11.5			
	74.0					9.8							8.6		
	82.0						7.3						7.1	6.0	
	90.0						5.6							4.7	
	98.0														
	102.0														
Number of falls		7	7	5	3	2	2		7	6	5	3	2	1	

135 t 40 t 50° SH		Main boom length 35.5 m							Main boom length 41.1 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	42.0	23.5													
	50.0		18.1												
	58.0			13.8						12.7					
	66.0										10.0				
	74.0				8.4							7.0			
	82.0					6.0							4.4		
	90.0						3.9								
	98.0						3.0								
Number of falls		7	6	4	3	2	1			5	4	3	2		

135 t 40 t 50° SH		Main boom length 46.7 m							Main boom length 52.3 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5	18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	48.0	16.0													
	56.0														
	64.0									8.3					
	72.0			7.4							5.7				
	80.0				4.8										
	82.0				4.5										
Number of falls		6		4	2					5	3				

135 t 40 t 50° SH		Main boom length 57.9 m						
Fly boom length		18.7	29.9	41.1	52.3	63.5	74.7	91.5
Reach [m]	56.0	9.1						
	58.0	8.6						
	60.0							
	62.0							
	64.0		6.6					
	66.0		6.2					
	68.0		5.9					
Number of falls		6	4					

Table no. 7700R-80/3504/135.0/08.10 SHWS 50

T700G Boom configuration

Main boom SH

		Main boom													
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	80.3	85.9	91.5
Lower SH boom section type 2409	7.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SH boom section type 2409-V	5.6 m	1	0	1	0	1	0	1	0	1	0	1	0	1	0
SH boom section type 2409-V	11.2 m	0	1	1	2	2	2	2	2	2	2	2	2	2	2
SH boom section type 2409	11.2 m	0	0	0	0	0	1	1	2	2	3	3	4	4	5
Conical SH boom section type 2409	4.6 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T300/200 pulley head	1.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S42.1 auxiliary boom (optional)	42.0 t	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Main boom SHLH

		Main boom								
Boom length [m]		69.1	74.7	80.3	85.9	91.5	97.1	102.7	108.3	113.9
Lower SH boom section type 2409	7.0 m	1	1	1	1	1	1	1	1	1
SH boom section type 2409-V	5.6 m	1	1	1	1	1	1	1	1	1
SH boom section type 2409-V	11.2 m	2	2	2	2	2	2	2	2	2
SH boom section type 2409	11.2 m	2	2	2	2	2	2	2	2	2
Conical SH boom section type 2409	4.6 m	1	1	1	1	1	1	1	1	1
LH boom section type 2002	5.6 m	0	1	0	1	0	1	0	1	0
LH boom section type 2002	11.2 m	0	0	1	1	2	2	3	3	4
LH/T110 head piece type 2002	7.1 m	1	1	1	1	1	1	1	1	1
S42.1 auxiliary boom (optional)	42.0 t	x	x	x	x	x	x	x	x	x

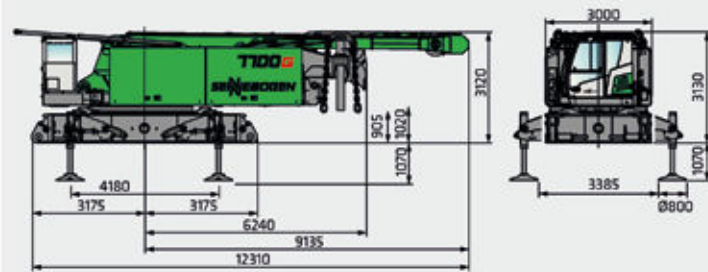
SHWS tiltable jib (Main boom SH with tiltable WS fly boom)

		Main boom										Fly boom													
Boom length [m]		24.3	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7	18.7	24.3	29.9	35.5	41.1	46.7	52.3	57.9	63.5	69.1	74.7	80.3	85.9	91.5
Lower SH boom section type 2409	7.0 m	1	1	1	1	1	1	1	1	1	1														
SH boom section type 2409-V	5.6 m	0	1	0	1	0	1	0	1	0	1														
SH boom section type 2409-V	11.2 m	1	1	2	2	2	2	2	2	2	2														
SH boom section type 2409	11.2 m	0	0	0	0	1	1	2	2	3	3														
Conical SH boom section type 2409	4.6 m	1	1	1	1	1	1	1	1	1	1														
T300/200 pulley head	1.5 m	1	1	1	1	1	1	1	1	1	1														
LH fly boom lower section type 2002	11.6 m											1	1	1	1	1	1	1	1	1	1	1	1	1	1
LH boom section type 2002	5.6 m											0	1	0	1	0	1	0	1	0	1	0	1	0	1
LH boom section type 2002	11.2 m											0	0	1	1	2	2	3	3	4	4	5	5	6	6
LH/T110 head piece type 2002	7.1 m											1	1	1	1	1	1	1	1	1	1	1	1	1	1
S42.1 auxiliary boom (optional)	42 t											x	x	x	x	x	x	x	x	x	x	x	x	x	x

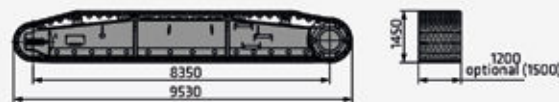
Combination options

Fly boom length	18.7 m	x	x	x	x	x	x	x	x	x	x
	24.3 m	x	x	x	x	x	x	x	x	x	x
	29.9 m	x	x	x	x	x	x	x	x	x	x
	35.5 m	x	x	x	x	x	x	x	x	x	x
	41.1 m	x	x	x	x	x	x	x	x	x	x
	46.7 m	x	x	x	x	x	x	x	x	x	x
	52.3 m	x	x	x	x	x	x	x	x	x	x
	57.9 m	x	x	x	x	x	x	x	x	x	x
	63.5 m	x	x	x	x	x	x	x	x	x	x
	69.1 m	x	x	x	x	x	x	x	x	x	x
	74.7 m	x	x	x	x	x	x	x	x	x	x
	80.3 m	x	x	x	x	x	x	x	x	x	
	85.9 m	x	x	x	x	x	x	x	x		
	91.5 m	x	x	x	x	x	x	x			

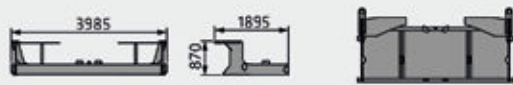
7700G Transport dimensions and weights



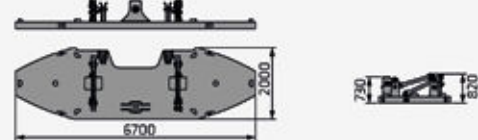
Basic machine without lower boom section
55 t incl. hoisting gear I + II, 650 m hoist cable, ballast support
46 t without hoisting gears, without ballast support



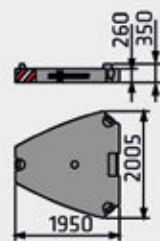
Crawler drive: **2 x**
 1200 mm (option: 1500 mm) flat track shoes
Weight: 23000 kg (option 1500 mm: 24500 kg)



Console undercarriage ballast
Weight: 900 kg **2 x**



Ballast base plate
Weight: 15000 kg **1 x**



Counter weight	Uppercarriage ballast
Weight: 5000 kg	85 t 14 x
	105 t 18 x
	135 t 24 x
	Undercarriage ballast
	40 t 8 x



SH boom lower section 7 m type 2409
Weight: 7500 kg (incl. shifting winch WS and cable)
 4700 kg (without shifting winch WS and cable) **Width:** 2460 mm

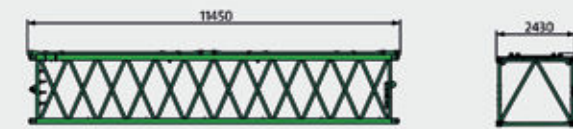


5.6 m SH boom section type 2409-V
 with SH/SHWS guying)
Weight: 2080 / 2280 kg



11.2 m SH boom section type 2409
 with SH/SHWS guying)
Weight: 3400 / 3800 kg

7700G Transport dimensions and weights



11.2 m SH boom section type 2409-V
 with SH/SHWS guying)
Weight: 3780 / 4180 kg



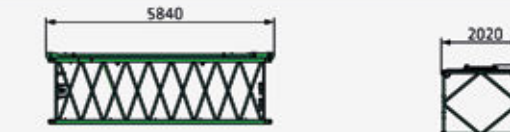
6.1 m SH boom head piece type 2409 (with guying)
 = 4.6 m SH cone + 1.5 m T300 pulley head
Weight: max. 5500 kg (incl. Roller block)
Width: 2410 mm



4.6 m SH boom cone type 2409
 (with guying)
Weight: 2100 kg (incl. Roller block)
Width: 2410 mm



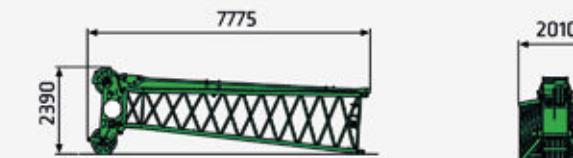
1.5 m T300 pulley head (with guying)
Weight: 3400 kg
Width: 2200 mm



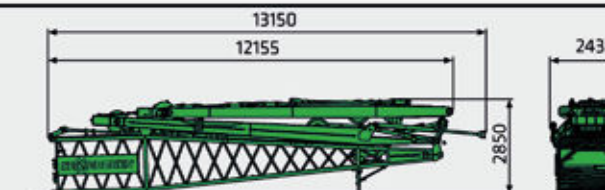
5.6 m LH boom section type 2002
 (with guying)
Weight: 970 kg



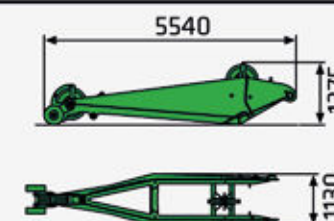
11.2 m LH boom section type 2002
 (with guying)
Weight: 1750 kg



7.1 m LH boom head piece type 2002
 (with guying)
Weight: 1940 kg
Width: 2010 mm

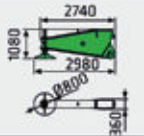
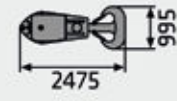
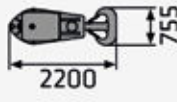
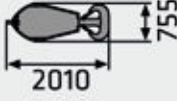
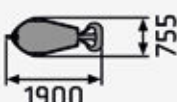
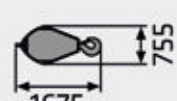
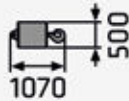


11.6 m WS lower boom section type 2002
 (with two guying frames)
Weight: 9100 kg
Width: 2440 mm

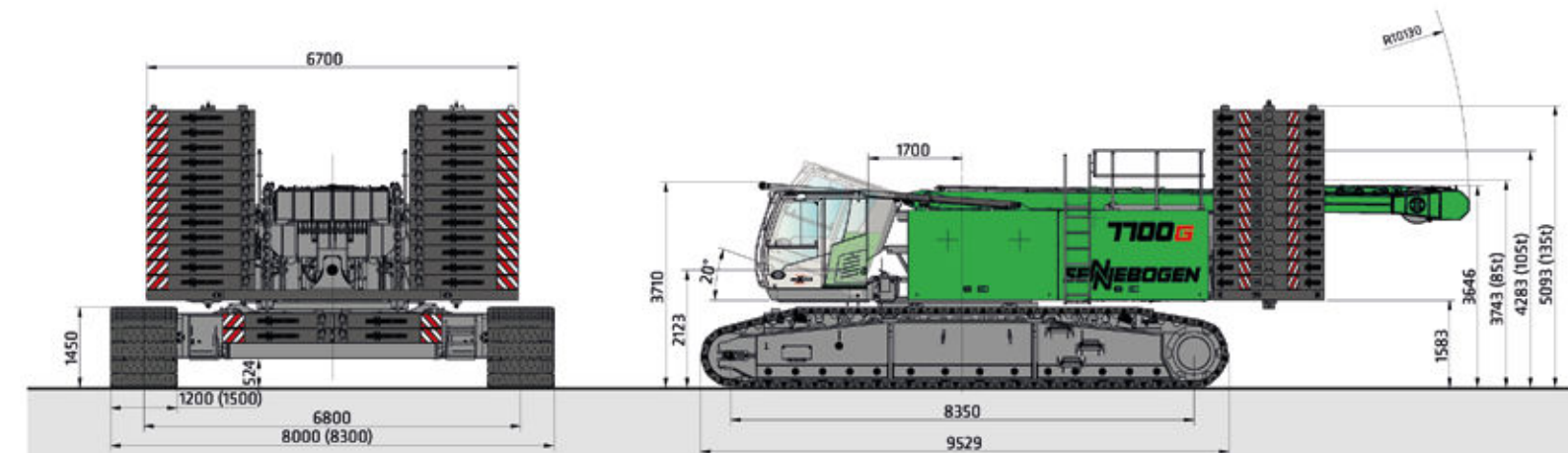


S42.1 auxiliary boom (42 t)
Weight: 1300 kg
Load capacity: 42.0 t

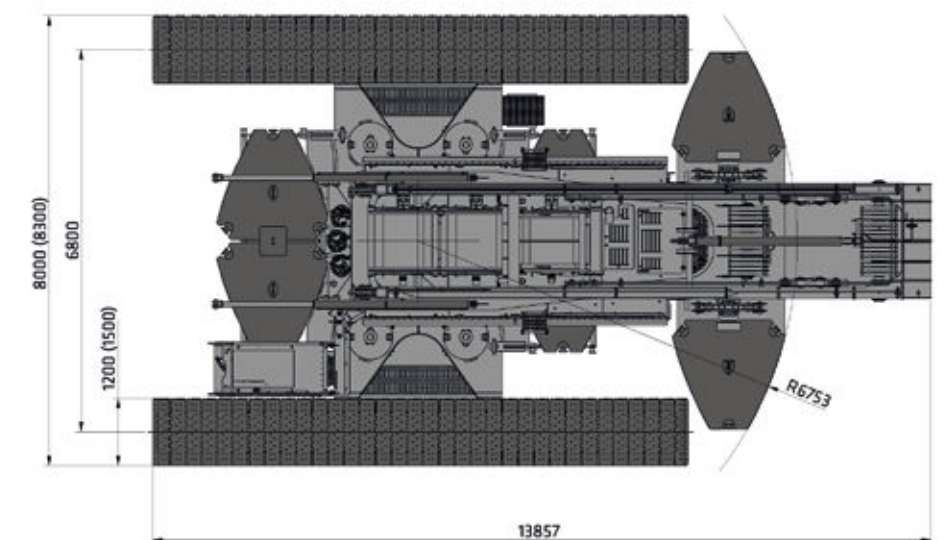
T700G Transport measurements and weights

	Set-up aid for long booms Weight: 1250 kg	2 x
	5.6 m SH boom section type 2409-V incl. 5.6 m LH type 2002 with guying SH/SHWS Weight: 3050/3250 kg	
	11.2 m SH boom section type 2409-V incl. 11.2 m LH type 2002 with guying SH/SHWS Weight: 5530/5930 kg	
	11.2 m SH boom section type 2409 incl. 11.2 m LH type 2002 with guying SH/SHWS Weight: 5150/5550 kg	
	300 t hook block - 11 rollers Weight: 3300/4500 kg Width: 1240/1470 mm	
	200 t hook block - 7 rollers Weight: 1800/3000/4200 kg Width: 940/1200/1460 mm	
	150 t hook block - 5 rollers Weight: 1600/2800/4000 kg Width: 940/1200/1460 mm	
	100 t hook block - 3 rollers Weight: 1400/2200/3000 kg Width: 540/720/900 mm	
	50 t hook block - 1 roller Weight: 1000/1800 kg Width: 460/570 mm	
	15 t loading hook Weight: 900 kg Width: 500 mm	

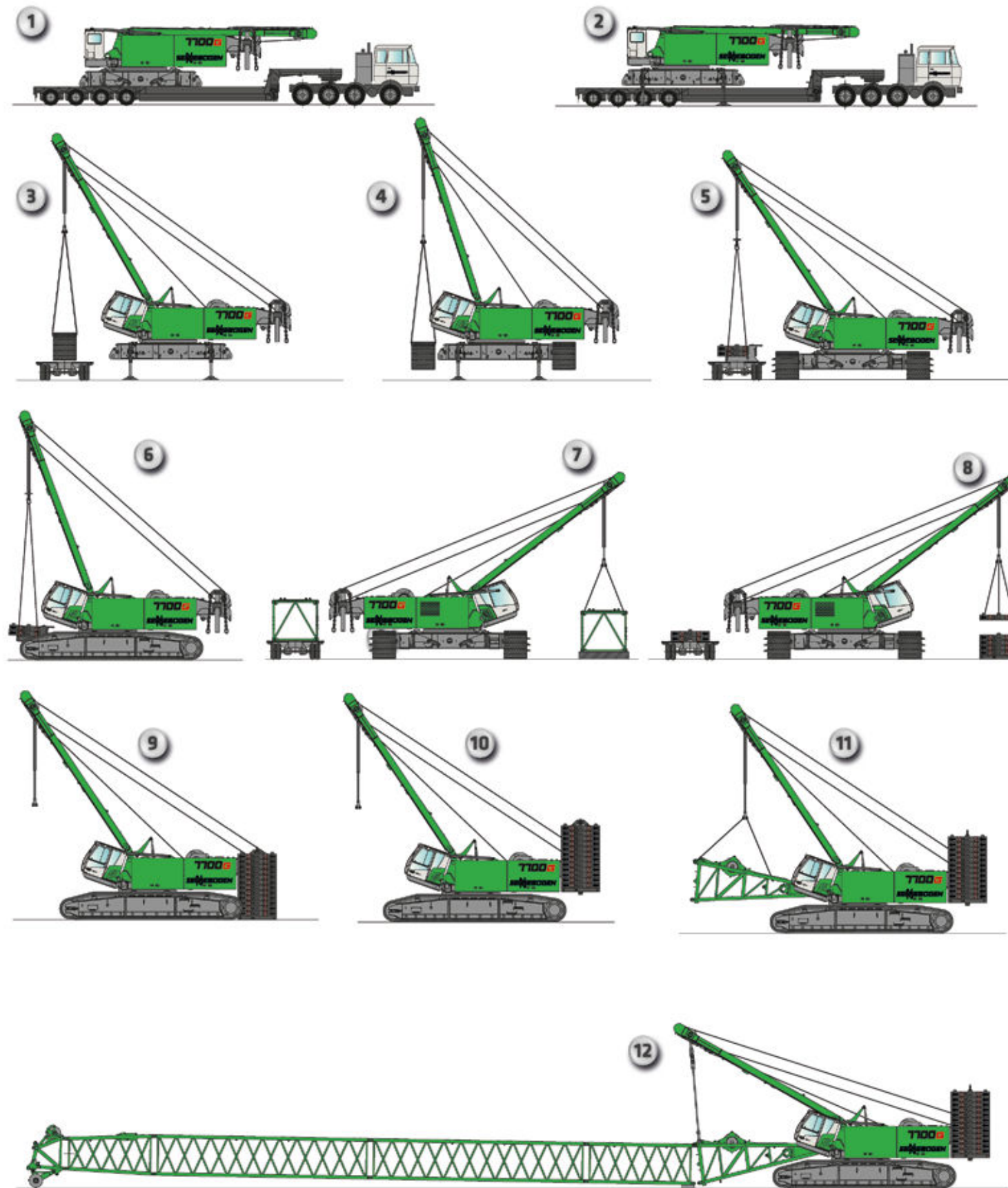
T700G Basic machine dimensions and weights



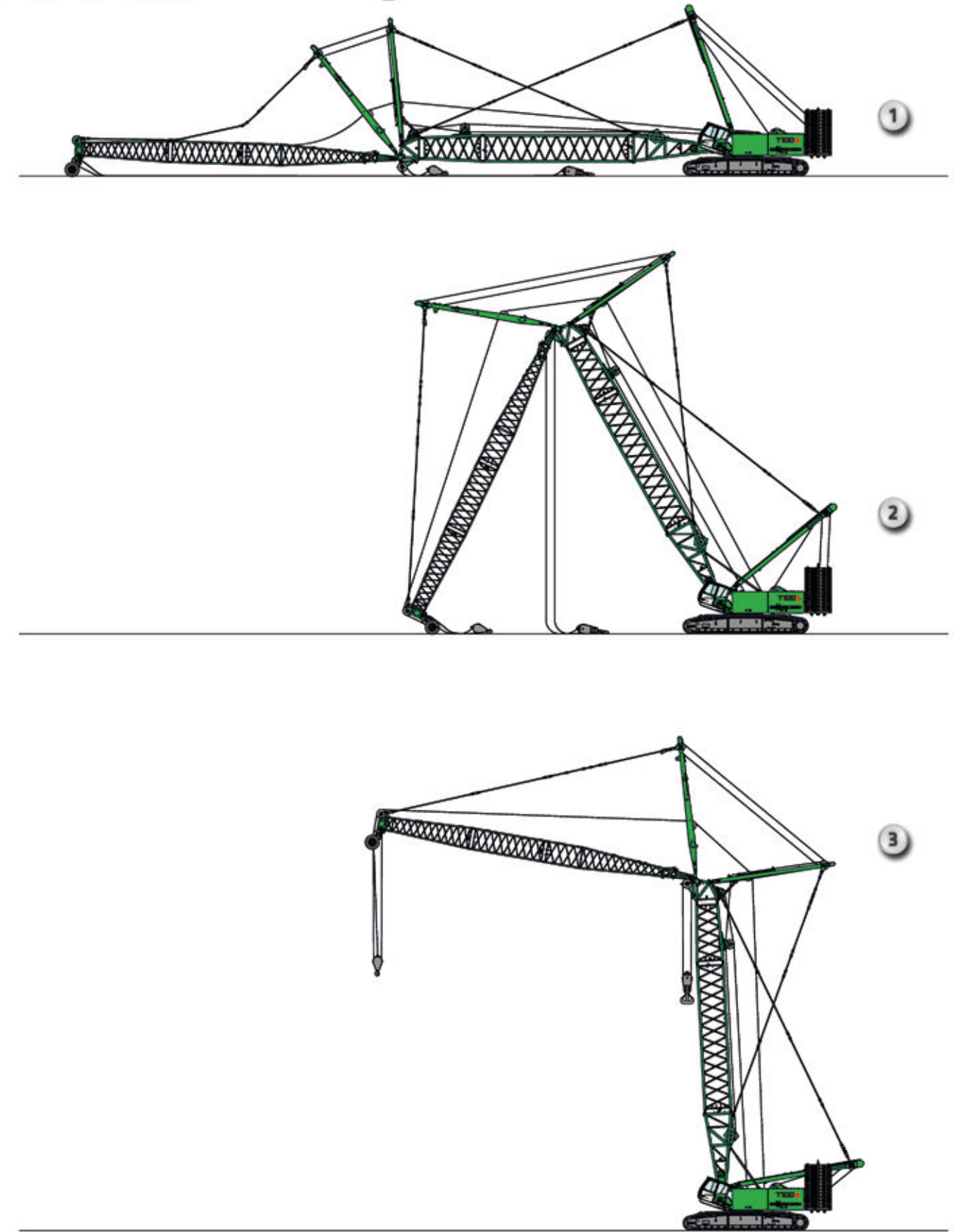
Weight: approx. 278 t consisting of basic machine with 135 t counterweight, 40 t undercarriage ballast, 1200 mm flat track shoes, ballast support, hoisting gear 1+2 with 650 m hoist cable



T700G Self-assembly system

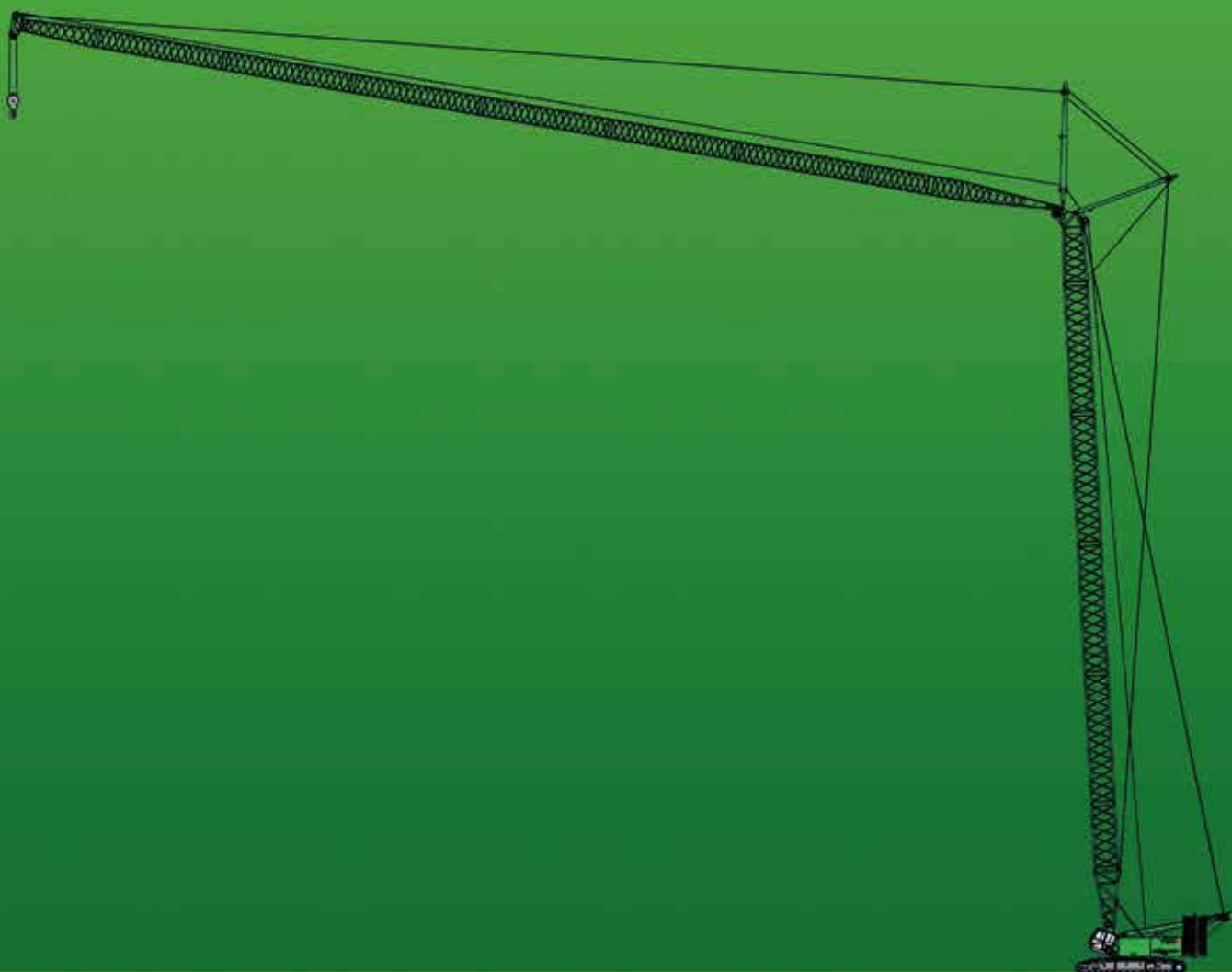


T700G Hoisting the SHWS boom





7700G



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

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