SENNEBOGEN

100 t TELESCOPIC CRAWLER CRANE

186 kW / 100 t / 46.8 m + 15 m / maXCAB

Stage V

6103 E

The versatile.

Specially developed for applications requiring both high load capacities and Pick & Carry capabilities, the 100 ton 6103 E telescopic crawler crane is ideal for a wide range of applications.

Whether in prefabricated concrete parts assembly, large-scale assembly, specialized civil engineering, bridge construction or rental – this all-rounder enables maximum productivity on any terrain. One highlight in terms of performance is the Pin Boom telescopic system. It is particularly light and stable, even with long boom lengths, and offers high load capacities without sacrificing flexibility.

More variety

Reach boom lengths of up to 62 m and always work optimally with load hook, heavy-duty jib, 8 m or 15 m fly jib. The innovative, hydraulic telescopic crawler undercarriage easily adapts to all construction site conditions.

Maximize productivity – anywhere

Unparalleled maneuverability and off-road mobility thanks to heavy-duty crawler tracks. 100% Pick and Carry capability and work on up to 20° slope and 4° incline.

Ultimate ease of use

With the 20° tiltable comfort Maxcab as standard, the back-friendly comfort seat, the adjustable armrests and the optimally arranged resonant control elements.

Well equipped

Maximum main boom length of 46.8 m thanks to 5-section telescopic pin boom. The selected telescopic section can also be extended further under load.

Maintenance & service

This is made easy with standard components and easy-to-access maintenance and service points.

On site and ready to use fast

The machine's self-assembly system means it can be installed in a short time without the use of an auxiliary crane. The removable crawler tracks ensure a narrow transport width.

Telescopic crawler crane with 100 t load capacity

Advanced. The E Series

LONG SERVICE LIFE, HIGH VALUE RETENTION

- Reliable and powerful thanks to its robust construction and high-quality components.

SOPHISTICATED, STATE-OF-THE-ART TECHNOLOGY

- In the 5th Generation – decades of experience in designing and constructing telescopic cranes

GREEN EFFICIENCY

SIMPLE TO MAINTAIN AND SERVICE

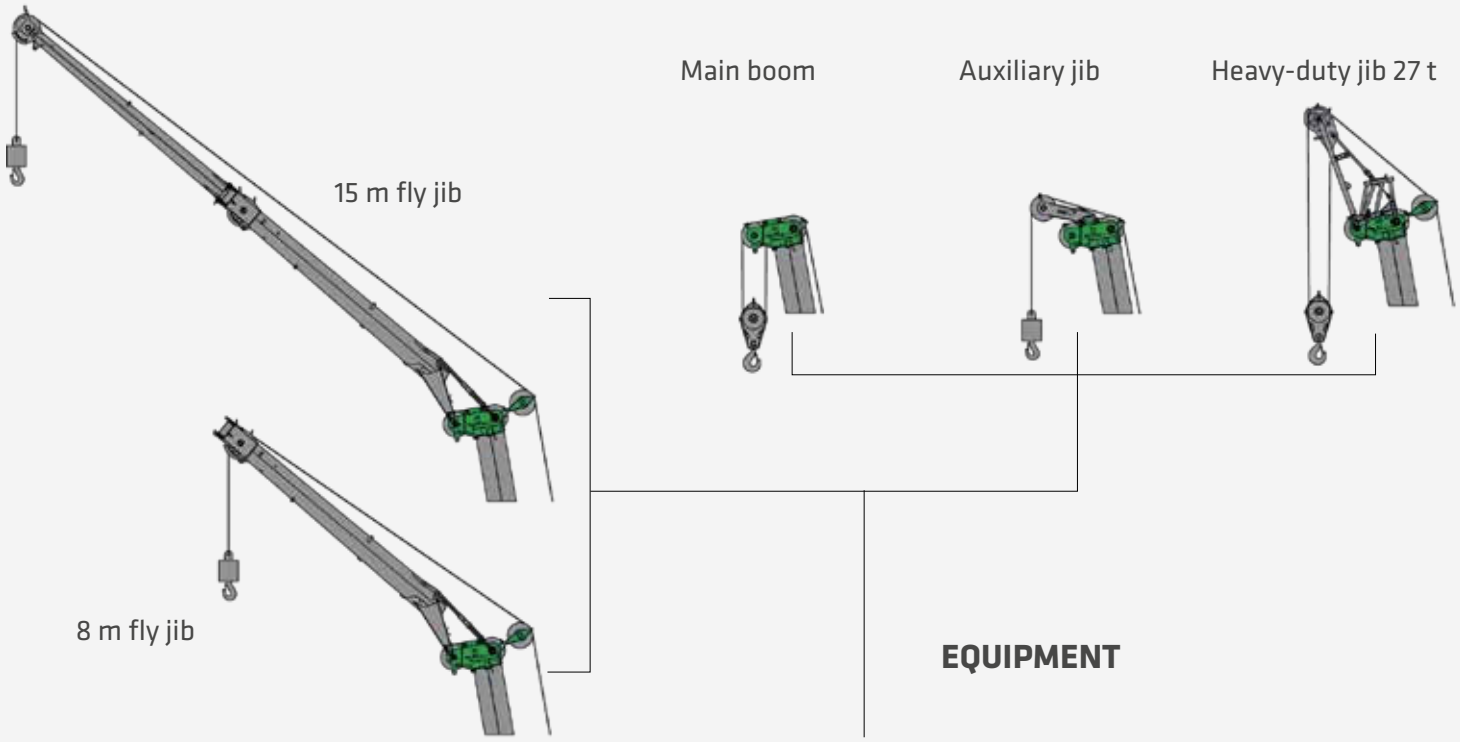
- Technology that can be mastered and no over-engineering, easy access to all components

ENVIRONMENTALLY-FRIENDLY DRIVE TECHNOLOGY

- State-of-the-art engine, drive and emission systems in line with the latest technology standards (stage V)
- Large-scale pipes and valves for maximum efficiency

A MODULAR DESIGN.
OPTIMUM EQUIPMENT OPTIONS.

EQUIPMENT

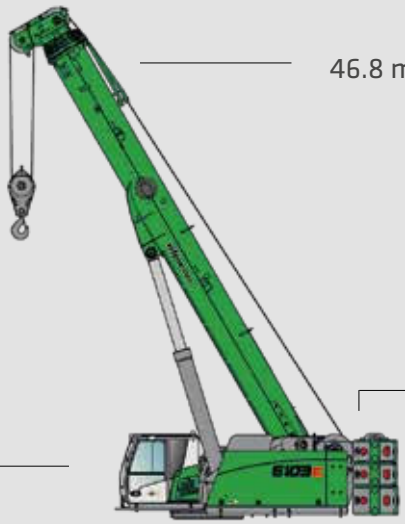


CAB

Cab elevation up to 5.60 m*
30° tilt (optional)

maXCAB

UPPERCARRIAGE



UNDERCARRIAGE

Crawler flat track shoes

Crawler with triple grouser track shoes

* Eye level

OUTSTANDING WORKING HEIGHT. **WITH THE PIN BOOM**

up to
62 m
boom length**

- Well equipped: Maximum main boom length of 46.8 m thanks to the 5-section pin boom. The selected telescopic section can also be extended further under partial load.
- Simple and user-friendly: implement optimum load capacities over the entire working range.
- Steep things: can work on inclines of up to 4°.*
- Comfortable work area: Achieve working heights and radii of more than 50 m with the optional 8 m fly jib and 15 m fly jib extension.

* with reduced load charts (optional)
** with 15 m fly jib (not shown)

PRECISE AND STRONG.
WITH MAXIMUM FLEXIBILITY

- High stability thanks to 4.20 m track width
- Excellent view when lifting loads thanks to the tiltable cab which comes as standard
- Coverage of a large work area and flexibility thanks to a wide range of equipment options
- Remote control operation as an option
- The optional multi-base (asymmetric track width adjustment) makes it easier to work on confined construction sites and enables higher capacities with narrow and medium track widths compared to standard 360° load charts

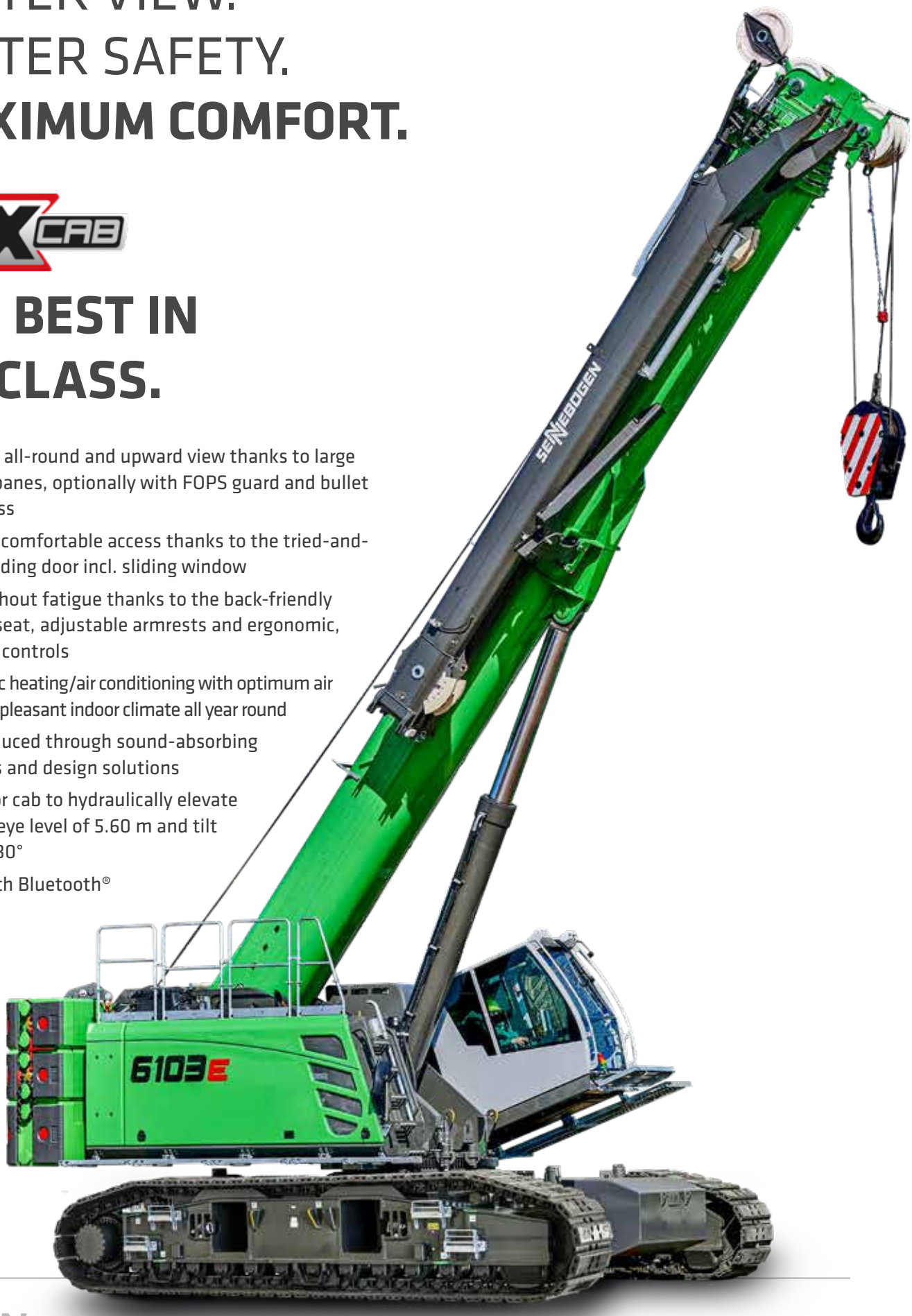
Pick & Carry operation; Germany

BETTER VIEW.
BETTER SAFETY.
MAXIMUM COMFORT.

maXCAB

THE BEST IN ITS CLASS.

- Excellent all-round and upward view thanks to large window panes, optionally with FOPS guard and bullet proof glass
- Safe and comfortable access thanks to the tried-and-tested sliding door incl. sliding window
- Work without fatigue thanks to the back-friendly comfort seat, adjustable armrests and ergonomic, resonant controls
- Automatic heating/air conditioning with optimum air flow for a pleasant indoor climate all year round
- Noise reduced through sound-absorbing materials and design solutions
- Option for cab to hydraulically elevate up to an eye level of 5.60 m and tilt by up to 30°
- Radio with Bluetooth®



TAKE FULL CONTROL WITH OUR JOYSTICKS

- Joysticks on resonant, seat-mounted consoles
- Comfortable grip thanks to ergonomic design
- Shortcuts for direct and sensitive control of all functions
- Operating comfort thanks to optimized design of buttons and switches

GERMAN DESIGN AWARD WINNER 2018

FLEXIBLE TRANSPORT.
INDEPENDENT SELF-ASSEMBLY.

It is not just with procurement and operating costs that companies can make cost-effective decisions and savings. Astute contractors know that simple and economical transportation between construction sites is an important factor, too.

Cost-efficient

Once the crawler tracks and ballast have been removed, the transport width is only 3.0 m

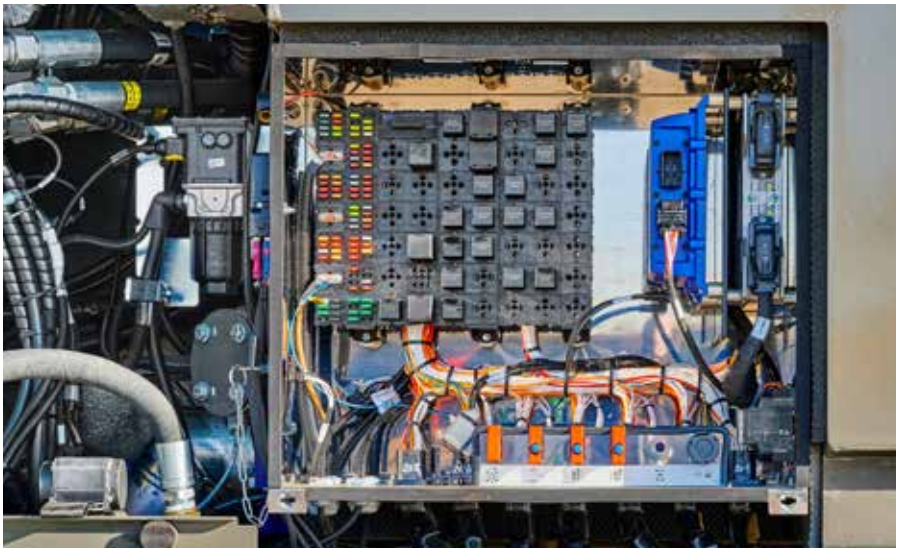
Flexible

The machine can be transported with or without crawler tracks, providing full transport flexibility

Quick

The machine is ready for use on site in a short time thanks to the innovative self-assembly system.

MAINTENANCE AND SERVICE.
MAKE IT EASY ON YOURSELF.



The SENCON control system supports you with diagnostics and makes troubleshooting easier. So your machine is back in action more quickly.

All maintenance and service points are clearly arranged and easily accessible. The clear labeling of components makes finding your way around easy.

KEEP IT SIMPLE. WITH TECHNOLOGY THAT CAN BE MASTERED.

Reliable and practical technology makes life easier. Where electronics add no value, we rely on hydraulics and electrical systems.

We make you happy, not reliant. With cost-effective components and fewer process steps, you can take care of the machine on your own.

At the central electrical distribution board, clearly arranged standard components simplify control and troubleshooting.

TECHNICAL DATA, EQUIPMENT

MACHINE TYPE

MODEL (TYPE)	6103 Crawler

ENGINE

TYPE	**Stage V:** Cummins B6.7 FR95885 Rated power: 168 kW/2200 rpm Operating point standard: 186 kW/2000 rpm Operating point ECO: 188 kW/1850 rpm **Stage IIIa:** Cummins QSB6.7 FR96045 Rated power: 164 kW/2000 rpm Operating point standard: 164 kW/2000 rpm Operating point ECO: 170 kW/1850 rpm
	both: direct injection, turbocharged, charge air cooling, reduced emissions
COOLING	Water-cooled
DIESEL FILTER	With water separator and heater
AIR FILTER	Dry filter with integrated pre-separator, automatic dust discharge, main element and safety element, contamination indicator
FUEL TANK	450 l
DEF TANK	45 l
ELECTRICAL SYSTEM	24 V
BATTERIES	2 x 155 Ah
OPTIONS	Electric fuel pump

Optional: Additional LED lights on the basic boom

UPPERCARRIAGE

DESIGN	Torsion-resistant box design, precision crafted, steel bushings for boom mountings. Service-friendly design, engine installed in the longitudinal direction
ELECTRIC	Central electrical distributor, battery disconnect switch
LIGHTING	LED headlights for optimal lighting of the work area
COOLING SYSTEM	3-circuit cooling system with high cooling output, electrically regulated fan drive for cooling water, charged air and oil
SAFETY	Camera monitoring of the area to the rear and the right side
	Uppercarriage railing
OPTIONS	Additional LED headlights
	2 warning beacons at the rear
	Additional cameras
	Sea climate resistant coating as corrosion protection
	Customized paint finish
	Low temperature package
	Automatic central lubrication for boom attachment point, luffing cylinder and live ring track
	Pinion tooth lubrication

Optional: 2nd winch

TECHNICAL DATA, EQUIPMENT

HYDRAULIC SYSTEM / HYDRAULICS

Pump unit attached directly to diesel engine, load-sensing/ LUDV hydraulic system, electro-hydraulic work functions, load limit control. Axial piston variable displacement pump. Multiple work functions can be controlled precisely simultaneously and independently from each other thanks to the independent, proportional allocation of the pump flows.

DELIVERY RATE	Up to 400 l / min
OPERATING PRESSURE	Up to 330 bar
FILTRATION	High-performance filtration with long change interval
HYDRAULIC TANK	900 l
CONTROL SYSTEM	Proportional, precision hydraulic control of the movements, 2 servo joysticks for work functions, additional functions via switches and foot pedals – arranged clearly and ergonomically
SAFETY	Hydraulic circuits with safety valves
	Pipe-fracture safety valves for luffing cylinder and telescopic cylinder
OPTIONS	Bio-oil filling
	SENNEBOGEN HydroClean micro-filter system (3 µm) with water separator
	Hydraulic tank preheating

SLEWING DRIVE

GEARBOX	2 compact planetary gears with bent-axis hydraulic engine, integrated brake valves
SLEW BRAKE	Spring-loaded multi-disk brake
SLEWING RING	Large-scale, externally geared 1-row slewing ring
SLEWING SPEED	0-2 rpm, variable

CAB

CAB TYPE	Maxcab, tiltable 20°
CAB FEATURES	Comfortable operator cab with sliding door incl. sliding window, vibration damper, tinted safety glass, opening windshield, skylight, front and rear windshield wipers, 12 V/ 24 V connections, 2 headlights integrated into the front of the roof. Air-sprung comfort operator's seat with seat heating and headrest. Sunblind for skylight. Slew brake via foot pedal.
OPTIONS	Cab adjustment type E270, hydraulically variable elevation up to 2.7 m and hydraulic backwards tilting by approx. 30°, includes platform next to cab.
	Auxiliary heating system with timer
	Activated-carbon filter for cab
	Bullet proof windshield
	Bullet proof skylight
	FOPS protective roof grating
	Radio with USB and SD connections, MP3 and Bluetooth® functions
	Work area limitation
	Customized paint finish

Optional: Work area limitation

TECHNICAL DATA, EQUIPMENT

Optional: radio remote control

Optional: 27 t heavy-duty jib

Optional: 8 m + 7 m fly jib

EQUIPMENT	
BOOM	5-section telescopic boom made from high-strength fine-grain steel, consisting of a basic boom and 4 telescopic sections, 1 telescopic cylinder, can be hydraulically telescoped under partial load. Length: 12.5 m to 46.8 m; tipping from 0-80° in 50 seconds; complete telescoping in 420 seconds.
CRANE SAFETY	Latest generation of load moment monitoring with event recorder, clear operations panel showing all important data via the SENCON display, lifting limit switch, cable exit protection, pressure relief valves and pipe fracture protection
	SENtrack telemetry system
CYLINDERS	Hydraulic cylinders with high-quality sealing and guide elements
OPTIONS	8 m fly jib, load capacity 15 t at 0°, tiltable (0°, 20°, 40°), can be set up without additional equipment, can be bolted to basic boom when not in use
	Fly jib extension to 15 m, 7 m extension, load capacity 5.9 t, tiltable (0°, 20°, 40°), can be bolted to basic boom when not in use
	Auxiliary jib: 9 t load capacity, 1-strand
	27 t heavy-duty jib
	Electro-hydraulic emergency unit
	Radio remote control
	Programmable working limit
	Additional load charts accepted for 4° incline position

TECHNICAL DATA, EQUIPMENT

UNDERCARRIAGE

DESIGN	Crawler undercarriage T107/419 with removable traveling tracks
DRIVE	Travel drive with axial piston hydraulic engine, directly attached automatically functioning brake valve and compact planetary gears on each running gear side
PARKING BRAKE	Spring-loaded multi-disk brake
TRAVELING GEAR	Maintenance-free tractor traveling gear with hydraulic track tension. Crawler carrier with 800 mm triple grouser shoes
SPEED	0 – 2.5 km/h
OPTIONS	Multi Base: Asymmetric track width adjustment
	Track shoes in the following equipment: - 800 mm flat track shoes - 900 mm triple grouser shoes - 900 mm flat track shoes

WINCH

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

100 kN tensile force (3rd position), cable speed 0-125 m/min., cable diameter 22 mm, max. cable length 205 m

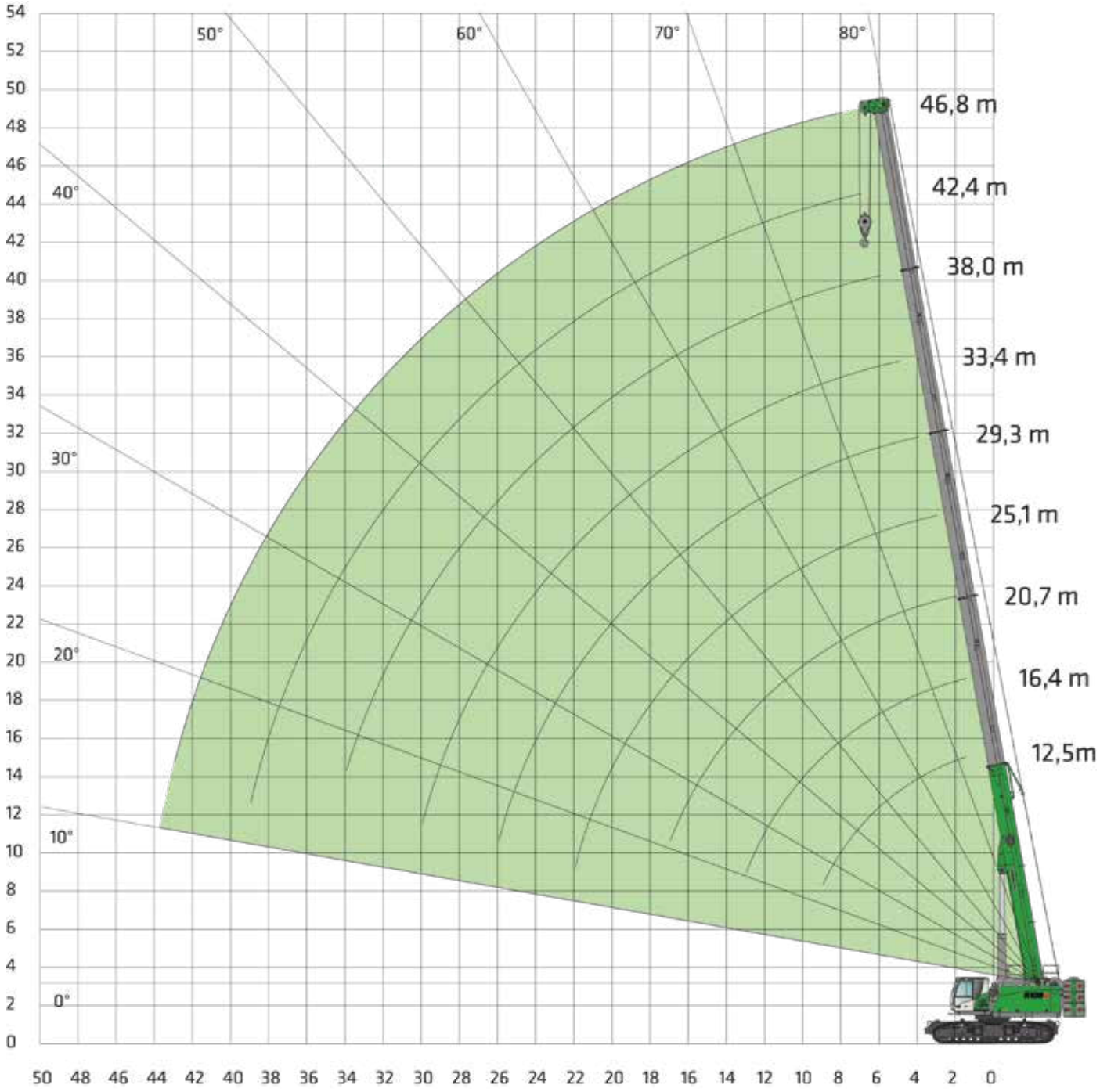
SAFETY BRAKE	Spring-loaded multi-disk brake
OPTIONS	2nd winch: 100 kN tensile force (3rd position), cable speed 0-125 m/min., cable diameter 22 mm, max. cable length 205 m

OPERATING WEIGHT

MASS	approx. 107,000 kg with telescopic boom 46.8 m, 15 m fly jib, 63 t hook, triple grouser shoes 800 mm, 2 hoist winches, with hydraulic telescoping undercarriage, 28.2 t rear ballast, 17 t undercarriage ballast
NOTE	Operating weight varies by model and equipment. Subject to technical changes.

CRANE EQUIPMENT

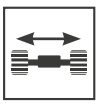
MAIN BOOM
HA 46.8 m



LOAD RATINGS

MAIN BOOM
HA 46.8 m

BALLAST
28.2 t



TRACK WIDTH
4.2 m

MAX. INCLINATION
0.6 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
RADIUS [m]	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5	100.0	65.0	61.5						
3.0	97.0	65.0	60.0	54.0					
4.0	85.0	65.0	58.0	50.0	40.5				
5.0	75.0	63.0	54.6	46.5	38.0	30.4			
6.0	65.0	58.9	50.2	43.5	35.7	28.7	23.0		
7.0	51.5	52.6	46.5	40.5	33.7	27.0	21.5	15.5	
8.0	41.5	42.8	42.9	38.0	31.8	25.5	20.1	15.5	12.0
9.0	35.0	35.9	36.0	34.7	30.1	24.5	18.9	15.2	12.0
10.0		31.3	31.6	30.2	28.0	23.3	17.9	14.8	12.0
12.0		24.1	24.3	23.8	22.5	20.7	16.0	13.4	11,8
14.0		18.6	19.7	19.4	18.4	17.0	14.4	12.0	11.2
16.0			16.0	16.0	15.4	14.0	12.5	10.9	10.6
18.0			12.8	13.4	13.2	11.9	10.7	9.9	9.7
20.0				11.8	11.4	10.2	9.3	9.0	9.0
22.0				10.7	9.8	9.4	8.4	8.0	8.3
24.0					9.0	8.7	7.6	7.0	7.7
26.0					7.9	8.0	7.0	6.2	7.1
28.0						7.1	6.4	5.6	6.5
30.0						6.3	5.9	5.1	5.7
32.0							5.5	4.6	5.0
34.0							5.0	4.3	4.4
36.0								4.0	3.8
38.0								3.7	3.3
40.0									2.9
42.0									2.4
Number of falls	12	8	8	8	6	4	4	2	2

Tab.no.: 6103R-75_2170_28.2+17.0_03.21_HA_0.6°

Notes:
1. Load ratings are given in tonnes.
2. The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
3. The load ratings apply for the bolted boom.
4. 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.
5. Permissible cable pull per strand in crane mode for cable diameter 22 mm - 9,000 kg.
6. The load ratings and boom lengths given are for reference only. Please refer to the charts in the operating instructions for the relevant applicable load ratings and boom lengths.
7. Load charts for inclines > 1.5° should be requested separately.
8. The specifications on p. 20 for the reduction of the load capacity with the 15 m fly jib folded to the side apply to all HA charts. Capacity reductions for other equipment options should be requested separately.

LOAD RATINGS

MAIN BOOM
HA 46.8 m

BALLAST
28.2 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
1.5 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
RADIUS [m]	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5	80.0	47.0	39.0						
3.0	75.0	48.3	44.3	39.0					
4.0	65.0	47.0	42.2	36.8	28.9				
5.0	59.0	46.7	39.5	34.5	27.6	22.7			
6.0	55.0	46.0	37.0	32.8	26.4	21.8	17.3		
7.0	50.4	43.2	34.8	31.1	25.2	20.9	16.8	11.7	
8.0	41.0	40.2	32.8	29.5	23.8	20.2	16.2	11.7	8.6
9.0	34.1	35.3	31.0	28.1	22.8	19.4	15.7	11.7	8.6
10.0		30.5	29.1	26.8	21.8	18.7	15.2	11.5	8.6
12.0		23.4	23.2	22.3	20.1	16.4	14.3	10.9	8.6
14.0		17.5	19.1	18.5	17.3	14.7	13.0	10.4	8.5
16.0			15.7	15.1	14.5	12.2	10.9	10.0	8.1
18.0			12.5	13.2	12.4	10.5	9.6	9.0	7.8
20.0				11.3	10.8	9.3	8.4	8.0	7.4
22.0				10.2	9.6	8.4	7.4	6.9	7.1
24.0					8.7	7.7	6.7	6.1	6.7
26.0					7.6	7.1	6.1	5.5	6.3
28.0						6.8	5.7	5.0	6.0
30.0						6.1	5.4	4.5	5.6
32.0							5.0	4.2	4.9
34.0							4.6	3.9	4.2
36.0								3.7	3.7
38.0								3.5	3.2
40.0									2.7
42.0									2.3
Number of falls	10	6	6	6	4	4	2	2	2
The load ratings must be reduced if there's a 15 m fly jib folded to the side of the main boom.									
Load capacity reduction [kg]	719	548	434	358	307	269	236	212	192

Tab.no.: 6103R-75_2170_28.2+17.0_07.20_HA_1.5°

Subject to technical changes. See page 19 for notes on load charts.

LOAD RATINGS

MAIN BOOM
HA 46.8 m

BALLAST
14.3 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
1.5 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
RADIUS [m]	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5	80.0	47.0	39.0						
3.0	73.0	48.3	44.3	39.0					
4.0	68.8	47.0	42.2	36.8	28.9				
5.0	61.9	46.7	39.5	34.5	27.6	22.7			
6.0	48.6	46.0	37.0	32.8	26.4	21.8	17.3	11.7	
7.0	37.5	38.6	34.8	31.1	25.2	20.9	16.8	11.7	8.6
8.0	30.1	31.7	32.0	29.5	23.8	20.2	16.2	11.7	8.6
9.0	24.9	26.4	26.9	26.4	22.8	19.4	15.7	11.7	8.6
10.0		22.4	23.0	23.0	21.8	18.7	15.2	11.5	8.6
12.0		16.9	17.4	17.4	17.4	16.4	14.3	10.9	8.6
14.0		11.7	13.8	14.4	14.0	13.3	13.0	10.4	8.5
16.0			11.5	11.7	11.6	11.8	10.9	10.0	8.1
18.0			8.5	9.7	10.1	9.8	9.6	9.0	7.8
20.0				8.2	8.4	8.3	8.4	8.0	7.4
22.0				7.0	7.1	7.0	6.9	6.5	7.1
24.0					6.1	6.0	5.9	5.6	5.8
26.0					5.3	5.2	5.1	4.8	5.0
28.0						4.5	4.4	4.1	4.1
30.0						3.8	3.7	3.4	3.4
32.0							3.2	2.8	2.8
34.0							2.7	2.3	2.3
36.0								1.9	1.9
38.0								1.5	1.4
40.0									1.1
42.0									0.8
Number of falls	10	6	6	6	4	4	2	2	2

Tab.no.: 6103R-75_2170_14.3+17.0_09.20_HA_1.5°

LOAD RATINGS

MAIN BOOM
HA 46.8 m

BALLAST
28.2 t

TRACK WIDTH
3.44 m

MAX. INCLINATION
1.5 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
RADIUS [m]	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5									
3.0									
4.0									
5.0									
6.0	52.1								
7.0	41.1	41.0	34.2						
8.0	33.6	35.1	32.1	27.3					
9.0	28.2	29.6	30.2	25.9	22.8	19.4			8.6
10.0		25.5	26.0	26.0	21.8	18.7		11.5	8.6
12.0		19.6	20.1	20.0	19.7	17.5	14.3	10.9	8.6
14.0		14.1	16.1	16.0	16.5	15.9	13.0	10.4	8.5
16.0			13.2	13.6	13.7	13.2	10.9	10.0	8.1
18.0			10.4	11.6	11.5	11.1	9.6	9.0	7.8
20.0				9.9	9.8	9.4	8.4	8.0	7.4
22.0				8.5	8.4	8.4	7.4	6.9	7.1
24.0					7.8	7.7	6.7	6.1	6.7
26.0					6.6	6.5	6.1	5.5	5.9
28.0						5.7	5.7	5.0	5.1
30.0						5.9	4.9	4.5	4.4
32.0							4.3	4.2	3.7
34.0							3.8	3.4	3.2
36.0								2.9	2.7
38.0								2.5	2.2
40.0									1.8
42.0									1.5
Number of falls	6	6	4	4	4	4	2	2	2

Tab. no.: 6103R-75_1790_28.2+170_09.20_HA_1.5°

Subject to technical changes. See page 19 for notes on load charts.

LOAD RATINGS

MAIN BOOM
HA 46.8 m

BALLAST
14.3 t

TRACK WIDTH
3.44 m

MAX. INCLINATION
1.5 °

EN

UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
RADIUS [m]	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5	80.0	47.0	39.0						
3.0	73.0	48.3	44.3	39.0					
4.0	66.7	47.0	42.2	36.8	28.9				
5.0	49.8	46.7	39.5	34.5	27.6	22.7			
6.0	38.1	38.4	36.5	32.8	26.4	21.8	17.3	11.7	
7.0	29.8	31.3	30.5	28.9	25.2	20.9	16.8	11.7	8.6
8.0	24.1	25.6	25.9	24.6	23.8	20.2	16.2	11.7	8.6
9.0	19.9	21.4	21.9	21.4	20.4	19.4	15.7	11.7	8.6
10.0		18.2	18.7	19.4	17.7	16.7	15.2	11.5	8.6
12.0		13.7	14.6	14.8	14.1	14.8	13.2	10.9	8.6
14.0		9.2	11.5	11.8	11.9	11.7	11.3	10.4	8.5
16.0			9.3	9.5	9.7	9.6	9.2	8.6	8.1
18.0			6.7	7.9	8.0	7.9	7.7	7.0	6.8
20.0				6.6	6.7	6.6	6.4	5.8	5.6
22.0				5.5	5.7	5.6	5.4	4.9	4.7
24.0					4.8	4.7	4.6	4.1	3.9
26.0					4.1	4.0	3.9	3.4	3.2
28.0						3.3	3.2	2.9	2.6
30.0						2.8	2.7	2.3	2.1
32.0							2.2	1.9	1.6
34.0							1.7	1.4	1.2
36.0								1.0	0.8
38.0								0.7	
40.0									
42.0									
Number of falls	10	6	6	6	4	4	2	2	2

Tab. no.: 6103R-75_1790_14.3+17.0_09.20_HA_1.5°

LOAD RATINGS

MAIN BOOM
HA 46.8 m

BALLAST
14.3 t

TRACK WIDTH
2.68 m

MAX. INCLINATION
1.5 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

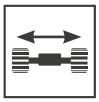
	BOOM LENGTH [m]								
RADIUS [m]	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5									
3.0									
4.0	49.9	45.9	41.4						
5.0	37.9	36.9	33.8	30.9					
6.0	29.3	29.8	28.5	26.9	24.7	20.5			
7.0	23.1	24.5	23.9	23.4	21.8	20.4	16.8	11.7	8.6
8.0	18.7	20.1	20.8	20.1	18.6	18.4	16.2	11.7	8.6
9.0	15.5	16.9	17.7	17.5	17.0	16.2	15.0	11.7	8.6
10.0		14.4	15.2	15.4	15.0	14.3	13.6	11.5	8.6
12.0		10.8	11.6	11.8	11.8	11.3	10.7	10.0	8.6
14.0		6.8	9.1	9.3	9.4	9.0	8.5	7.9	7.5
16.0			7.3	7.5	7.7	7.3	6.9	6.3	6.0
18.0			4.9	6.1	6.3	6.0	5.6	5.0	4.8
20.0				5.0	5.2	5.0	4.6	4.1	3.9
22.0				4.1	4.3	4.2	3.8	3.3	3.1
24.0					3.5	3.4	3.2	2.6	2.4
26.0					2.9	2.8	2.6	2.1	1.8
28.0						2.2	2.1	1.6	1.3
30.0						1.7	1.6	1.2	0.9
32.0							1.2	0.9	
34.0							0.8	0.5	
36.0									
38.0									
40.0									
42.0									
Number of falls	6	6	6	4	4	4	2	2	2

Tab. no.: 6103R-75_1410_14.3+17.0_09.20_HA_1.5°

Subject to technical changes. See page 19 for notes on load charts.

MAIN BOOM
HA 46.8 m

BALLAST
0.0 t



TRACK WIDTH
3.44 m

MAX. INCLINATION
1.5 °

EN

UNDERCARRIAGE BALLAST
0.0 T

RADIUS [m]	BOOM LENGTH [m] 12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5	72.5	47.0	39.0						
3.0	50.9	47.0	42.1	37.7					
4.0	33.4	32.3	30.6	28.2	28.0				
5.0	24.1	24.0	23.3	21.9	20.6				
6.0	18.3	18.7	18.5	17.6	16.7				
7.0	14.1	15.0	14.9	14.4	13.8				
8.0	10.9	12.2	12.1	11.8	11.5				
9.0	8.6	10.0	10.1	9.8	9.5				
10.0		8.2	8.5	8.2	8.0				
12.0		5.7	6.1	6.0	5.8				
14.0		2.1	4.6	4.5	4.3				
16.0			3.4	3.4	3.2				
18.0			1.3	2.6	2.4				
20.0				1.9	1.8				
22.0				1.2	1.3				
24.0					0.9				
Number of falls	10	6	6	6	4				

Tab. no.: 6103R-75_1790_0.0+0.0_10.20_HA_1.5°

MAIN BOOM
HA 46.8 m

BALLAST
0.0 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
1.5 °

EN

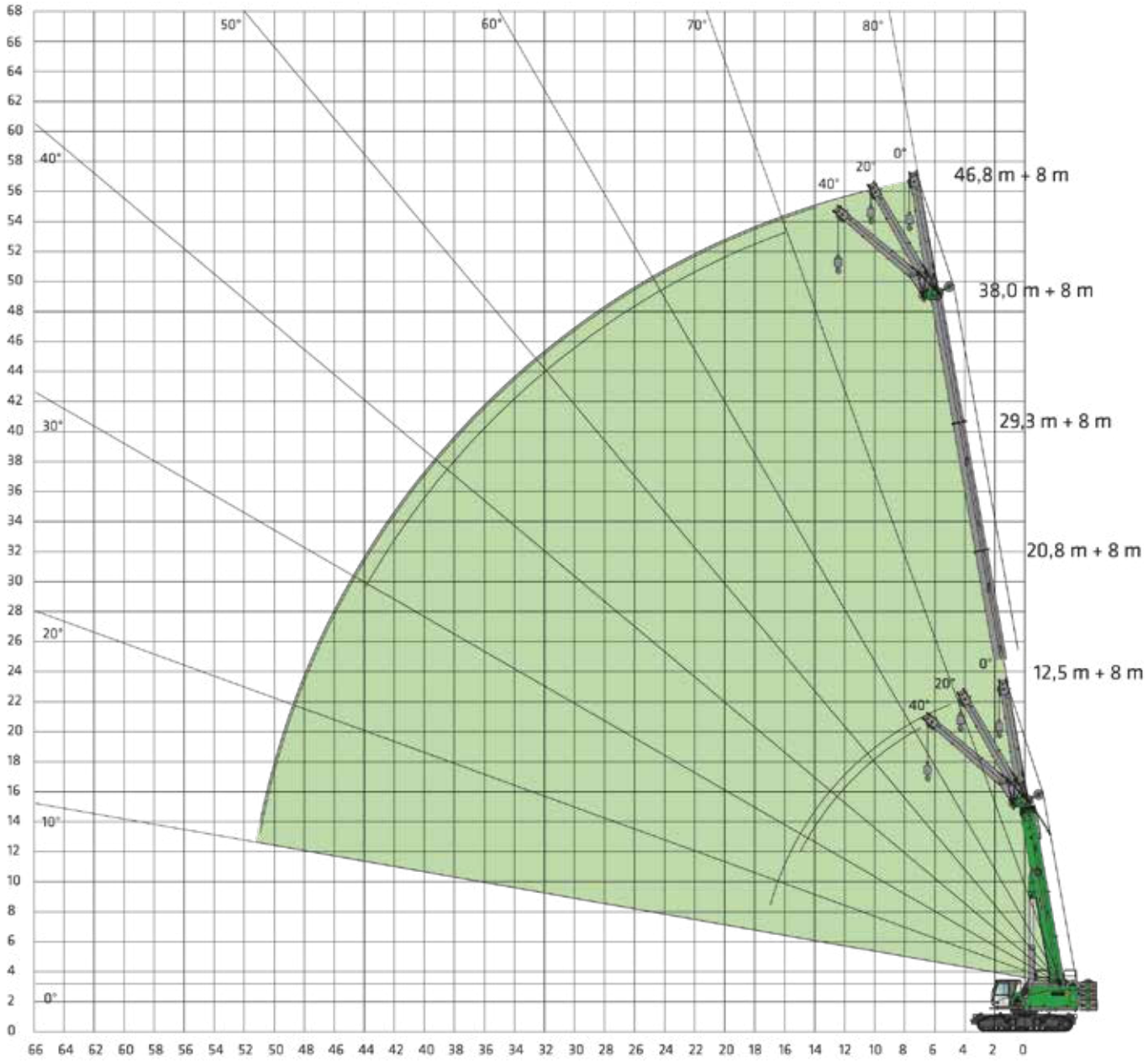
UNDERCARRIAGE BALLAST
0.0 T

RADIUS [m]	BOOM LENGTH [m] 12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
2.5	80.0	47.0	39.0						
3.0	73.0	48.3	44.3	39.0					
4.0	46.1	43.6	40.1	36.8	28.9				
5.0	32.6	31.9	30.0	28.7	26.6				
6.0	24.7	24.7	24.2	22.9	22.0				
7.0	18.8	19.8	19.7	18.8	18.1				
8.0	14.6	16.1	16.2	15.7	15.2				
9.0	11.6	13.1	13.5	13.2	12.9				
10.0		10.8	11.4	11.1	10.9				
12.0		7.7	8.5	8.3	8.1				
14.0		3.8	6.4	6.3	6.2				
16.0			4.9	5.0	4.8				
18.0			2.5	3.9	3.8				
20.0				3.0	3.0				
22.0				2.2	2.4				
24.0					1.8				
26.0					1.2				
Number of falls	10	6	6	6	4				

Tab. no.: 6103R-75_2170_0.0+0.0_10.20_HA_1.5°

CRANE EQUIPMENT

FLY JIB
SA 8 m



LOAD RATINGS

FLY JIB
SA 8 m

BALLAST
28.2 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
0.6 °

EN

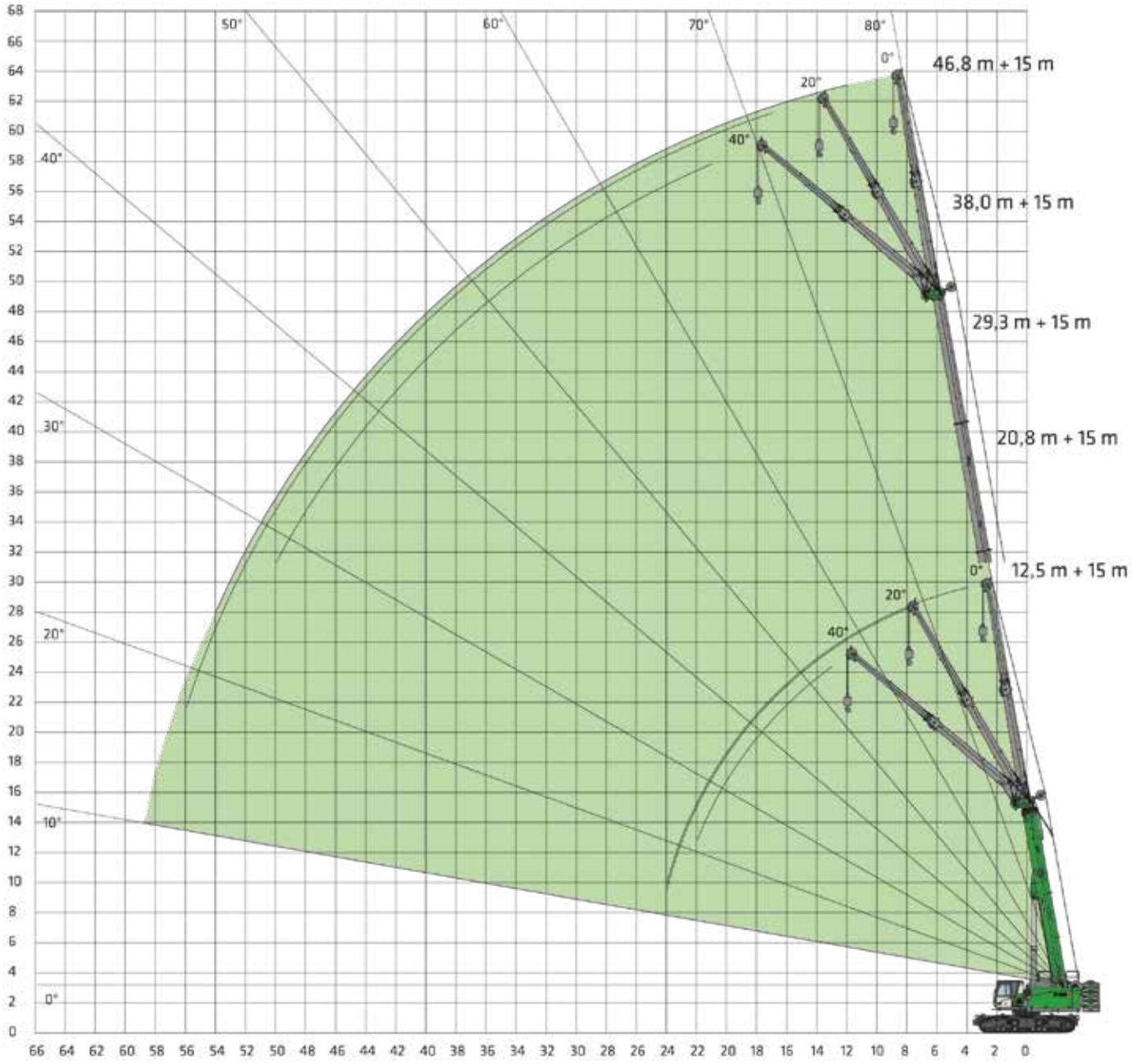
UNDERCARRIAGE BALLAST
17.0 T

RADIUS [m]	BOOM LENGTH [m]														
	12.5			20.8			29.3			38.0			46.8		
	8.0			8.0			8.0			8.0			8.0		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
4.0	15.0			15.0											
5.0	14.0	10.2		14.5											
6.0	12.9	9.6		13.7	9.8		12.8								
7.0	11.9	9.0	7.2	12.9	9.4		12.3								
8.0	10.9	8.5	6.9	12.2	9.0	6.9	11.8			10.4					
9.0	10.2	8.0	6.7	11.5	8.6	6.7	11.3	8.6		10.2					
10.0	9.5	7.6	6.5	10.9	8.3	6.5	10.9	8.3		10.0			7.0		
12.0	8.2	6.9	6.1	9.9	7.7	6.2	10.1	7.9	6.4	9.5	7.7		7.0		
14.0	7.2	6.4	5.8	9.0	7.2	6.0	9.4	7.4	6.1	9.1	7.3	6.0	7.0	6.9	
16.0	6.4	6.1	5.6/15 m	8.2	6.7	5.8	8.8	7.0	5.9	8.6	7.0	5.8	7.0	6.7	5.6
18.0	6.0/17 m	6.0/17 m		7.5	6.4	5.6	8.0	6.7	5.7	8.1	6.7	5.7	7.0	6.5	5.5
20.0				6.9	6.1	5.4	7.3	6.4	5.5	7.4	6.5	5.5	7.0	6.3	5.4
22.0				6.4	5.9	5.2	6.7	6.1	5.4	6.7	6.2	5.4	6.7	6.1	5.2
24.0				6.0	5.7		6.2	5.9	5.2	6.1	6.0	5.2	6.2	5.9	5.1
26.0				5.8/25 m	5.6/25 m		5.7	5.6	5.1	5.6	5.6	5.1	5.8	5.7	5.0
28.0							5.3	5.2	5.1	5.2	5.2	5.0	5.5	5.4	4.9
30.0							4.9	4.8	5.0/29 m	4.8	4.8	4.8	5.1	5.1	4.8
32.0							4.2	4.5		4.4	4.4	4.5	4.8	4.7	4.7
34.0							3.9/33 m	4.0/33 m		4.0	4.1	4.1	4.5	4.5	4.5
36.0										3.4	3.8	3.7	3.8	4.2	4.2
38.0										2.8	3.0		3.3	3.5	3.9
40.0										2.4	2.5		2.9	3.0	3.2
42.0										2.0	2.1		2.5	2.6	2.7
44.0													2.1	2.2	2.3
46.0													1.8	1.9	
48.0													1.4	1.5	
50.0													1.2	1.2	
52.0													1.0/51 m	1.0/51 m	
Number of falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Tab.no.: 6103R-75/217D/28.2+17.0/05.20 SA8

CRANE EQUIPMENT

FLY JIB
SA 15 m



LOAD RATINGS

FLY JIB
SA 15 m

BALLAST
28.2 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
0.6 °

EN

360°

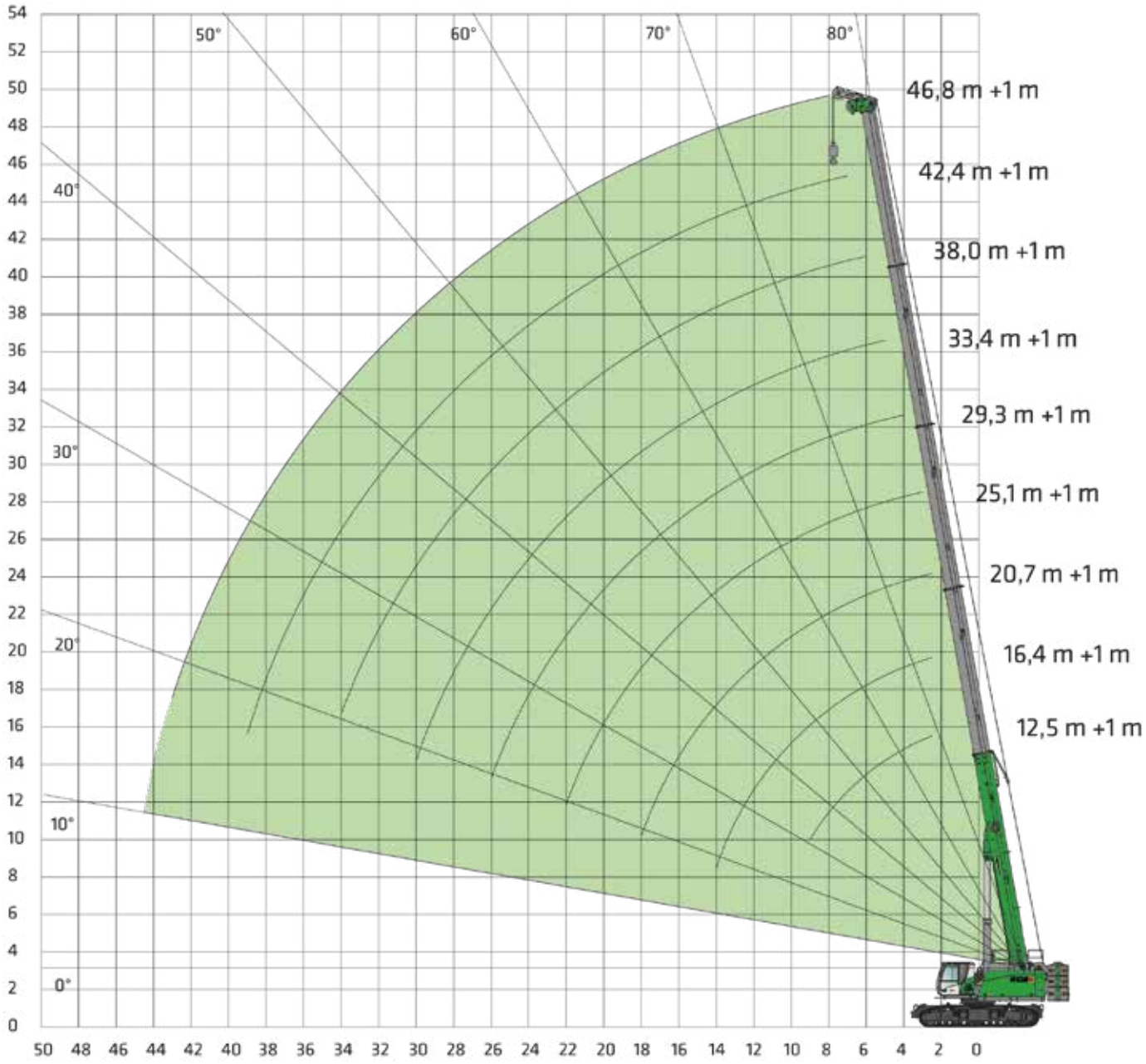
UNDERCARRIAGE BALLAST
17.0 T

RADIUS [m]	BOOM LENGTH [m]														
	12.5			20.8			29.3			38.0			46.8		
	15.0			15.0			15.0			15.0			15.0		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
4.0	5.9														
5.0	5.7			5.3											
6.0	5.4			5.2											
7.0	5.1			5.1			4.7								
8.0	4.8	3.8		5.0			4.6								
9.0	4.5	3.7		4.8			4.5			4.0					
10.0	4.2	3.5		4.6	3.5		4.5			4.0					
12.0	3.7	3.2	2.6/13 m	4.2	3.3		4.3	3.3/13 m		4.0			3.1		
14.0	3.4	3.0	2.5	3.8	3.0	2.5	4.1	3.2		3.9	3.0/15 m		3.1		
16.0	3.1	2.8	2.4	3.5	2.9	2.4	3.8	3.0	2.5	3.8	3.0		3.1	2.9/17 m	
18.0	2.8	2.6	2.3	3.2	2.7	2.4	3.6	2.9	2.4	3.6	2.9	2.3	3.1	2.8	
20.0	2.6	2.5	2.2	3.0	2.6	2.3	3.3	2.8	2.3	3.5	2.7	2.3	3.1	2.7	2.2/21 m
22.0	2.4	2.4	2.2	2.8	2.5	2.2	3.1	2.6	2.2	3.3	2.6	2.3	3.1	2.6	2.2
24.0	2.2	2.2		2.6	2.4	2.2	3.0	2.5	2.2	3.1	2.5	2.2	3.0	2.5	2.2
26.0				2.5	2.3	2.1	2.8	2.4	2.1	3.0	2.5	2.2	2.9	2.4	2.1
28.0				2.3	2.2	2.1	2.7	2.3	2.1	2.8	2.4	2.1	2.9	2.4	2.1
30.0				2.2	2.2		2.5	2.3	2.1	2.7	2.3	2.1	2.8	2.3	2.1
32.0				2.1/31 m	2.1		2.4	2.2	2.1	2.6	2.2	2.0	2.7	2.2	2.0
34.0							2.3	2.1	2.1	2.5	2.2	2.0	2.6	2.2	2.0
36.0							2.2	2.1	2.1	2.4	2.1	2.0	2.5	2.1	2.0
38.0							2.1	2.1		2.3	2.1	2.0	2.4	2.1	1.9
40.0							2.1	2.1		2.2	2.0	2.0	2.3	2.0	1.9
42.0										2.1	2.0	2.0	2.2	2.0	1.9
44.0										2.1	2.0		2.1	2.0	1.9
46.0										2.0	2.0		2.1	1.9	1.9
48.0										1.5	1.7		2.0	1.9	1.9
50.0										1.4/49 m			1.5	1.9	1.9
52.0													1.3	1.5	
54.0													1.0	1.2	
56.0														0.9	
Number of falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Tab.no.: 6103R-75/2170/28.2+17.0/05.20 SA15

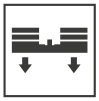
CRANE EQUIPMENT

AUXILIARY JIB
HA-S



LOAD RATINGS

AUXILIARY JIB
HA-S



BALLAST
28.2 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
0.6 °

EN

360°

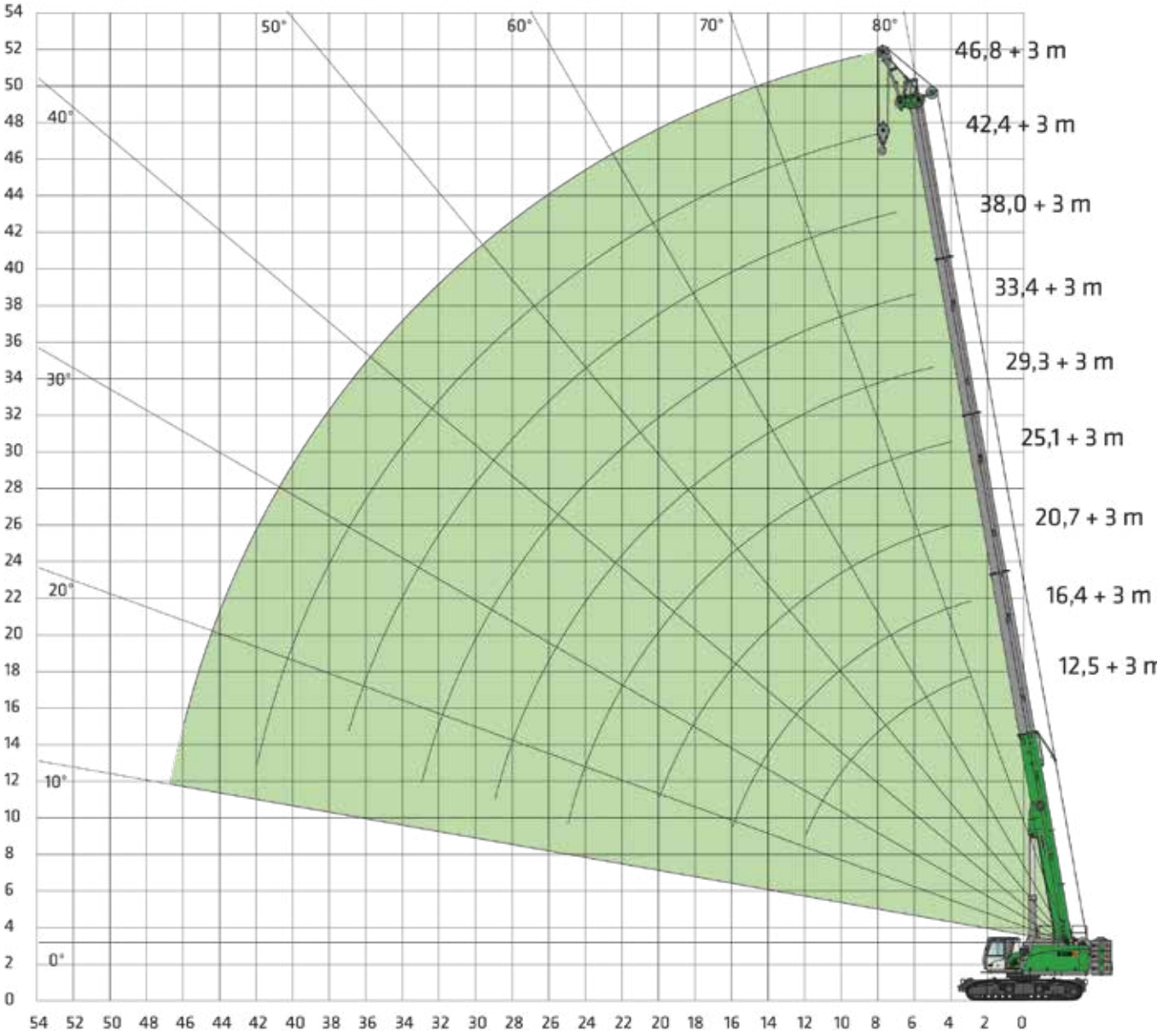
UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
RADIUS [m]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5	9.0	9.0	9.0						
3.0	9.0	9.0	9.0	9.0	9.0				
4.0	9.0	9.0	9.0	9.0	9.0	9.0			
5.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0		
6.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
7.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
8.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
10.0		9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
12.0		9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
14.0		9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
16.0			9.0	9.0	9.0	9.0	9.0	9.0	9.0
18.0			9.0	9.0	9.0	9.0	9.0	9.0	9.0
20.0				9.0	9.0	9.0	9.0	9.0	9.0
22.0				9.0	9.0	9.0	8.4	8.0	8.3
24.0					9.0	8.7	7.6	7.0	7.7
26.0					7.9	8.0	7.0	6.2	7.1
28.0						7.1	6.4	5.6	6.5
30.0						6.3	5.9	5.1	5.7
32.0							5.5	4.6	5.0
34.0							5.0	4.3	4.4
36.0								4.0	3.8
38.0								3.7	3.3
40.0									2.9
42.0									2.4
Number of falls	1	1	1	1	1	1	1	1	1

Tab. no.: 6103R-75_2170_28.2+17.0_07.20_HA-S_0.6°

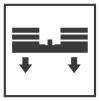
CRANE EQUIPMENT

MAIN BOOM
HA 46.8 m + SLS (heavy-duty jib)



LOAD RATINGS

MAIN BOOM
HA 46.8 m + SLS



BALLAST
28.2 t

TRACK WIDTH
4.2 m

MAX. INCLINATION
0.6 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

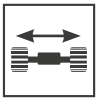
	BOOM LENGTH [m]								
	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
RADIUS [m]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3.0	27.0	27.0							
4.0	27.0	27.0	27.0	27.0					
5.0	27.0	27.0	27.0	27.0	27.0				
6.0	27.0	27.0	27.0	27.0	27.0	24.9			
7.0	26.3	27.0	27.0	27.0	27.0	23.9	18.0		
8.0	25.2	27.0	27.0	27.0	27.0	22.9	17.0	14.1	
9.0	24.3	26.2	27.0	27.0	26.8	22.0	16.0	13.8	11.0
10.0	23.6	25.4	26.5	27.0	25.9	21.2	15.1	13.5	11.0
12.0	23.0	24.0	24.1	23.7	23.9	19.2	13.6	12.7	11.0
14.0		19.2	19.8	19.7	19.3	17.0	12.3	11.4	10.7
16.0		15.7	16.3	16.2	15.8	15.1	11.3	10.3	10.0
18.0			13.6	13.6	13.2	12.9	10.3	9.4	9.2
20.0			11.6	11.5	11.2	11.8	9.5	8.5	8.5
22.0				9.9	10.1	9.9	8.8	7.8	7.9
24.0				8.5	8.9	8.6	8.2	7.2	7.3
26.0					7.8	7.5	7.6	6.6	6.7
28.0					6.8	6.6	6.6	6.1	6.3
30.0						6.2	5.8	5.6	5.8
32.0						5.4	5.1	5.2	4.8
34.0							4.5	4.4	4.1
36.0							4.0	3.8	3.6
38.0								3.3	3.0
40.0								2.8	2.6
42.0								2.4	2.2
44.0									1.8
46.0									1.4
Number of falls	3	3	3	3	3	3	3	3	3

Tab.no.: 6103R-75_2170_28.2+17.0_12.20_SLS_0.6°

LOAD RATINGS

MAIN BOOM
HA 46.8 m + SLS

BALLAST
28.2 t



TRACK WIDTH
4.2 m

MAX. INCLINATION
1.5 °

EN

360°

UNDERCARRIAGE BALLAST
17.0 T

	BOOM LENGTH [m]								
	12.5	16.5	20.8	25.1	29.3	33.5	38.0	42.4	46.8
RADIUS [m]	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3.0	27.0	27.0							
4.0	27.0	27.0	27.0	27.0					
5.0	26.3	27.0	27.0	26.7	21.9				
6.0	25.1	26.6	27.0	25.8	21.0	17.3			
7.0	24.1	25.6	26.2	24.7	20.2	16.8	13.6		
8.0	23.2	24.7	25.4	23.8	19.4	16.2	13.3	9.5	7.1
9.0	22.5	24.0	24.7	22.8	18.7	15.7	13.0	9.5	7.1
10.0	22.0	23.3	24.0	21.9	18.0	15.2	12.7	9.6	7.1
12.0	21.6	22.2	22.8	20.3	16.8	14.4	12.0	9.6	7.1
14.0		18.9	19.5	18.9	15.7	13.5	11.4	9.5	7.2
16.0		15.4	16.0	15.9	14.7	12.8	10.8	9.2	7.2
18.0			13.4	13.3	13.0	12.1	10.1	8.8	6.9
20.0			11.4	11.3	10.9	11.4	9.3	8.4	6.7
22.0				9.7	10.0	9.7	8.6	8.0	6.3
24.0				8.4	8.7	8.4	8.0	7.5	6.0
26.0					7.6	7.3	7.5	6.9	5.7
28.0					6.7	6.5	6.5	6.3	5.3
30.0						6.1	5.7	5.8	5.0
32.0						5.3	5.0	4.9	4.7
34.0							4.3	4.3	4.0
36.0							4.0	3.7	3.4
38.0								3.2	2.9
40.0								2.7	2.5
42.0								2.3	2.0
44.0									1.7
46.0									
Number of falls	3	3	3	3	3	3	3	3	3

Tab. no.: 6103R-75_2170_28.2+17.0_12.20_SLS_1.5°

Subject to technical changes. See page 19 for notes on load charts.

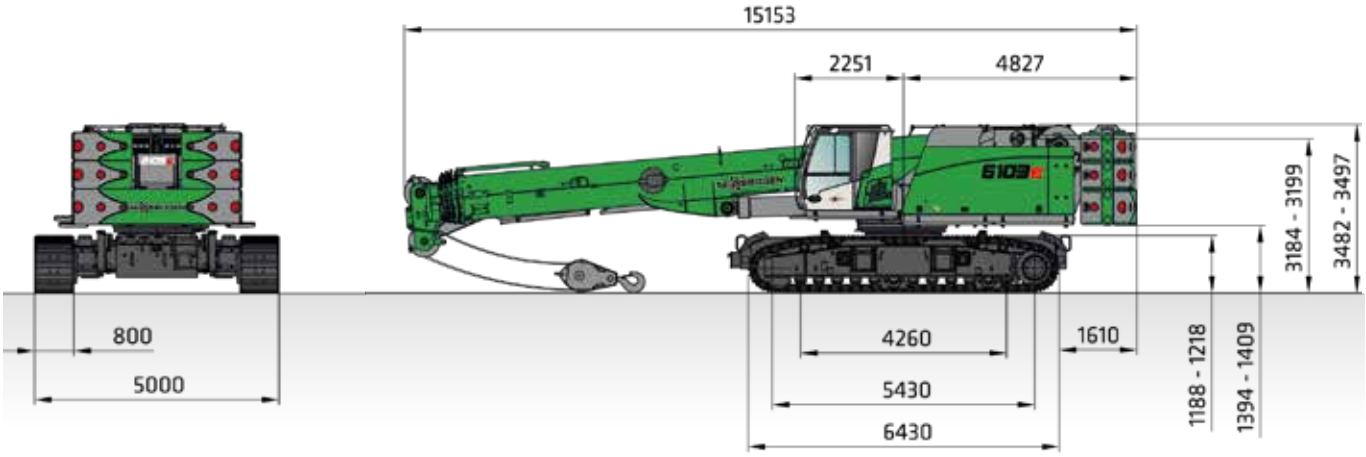
LOAD CAPACITY SCHEDULES

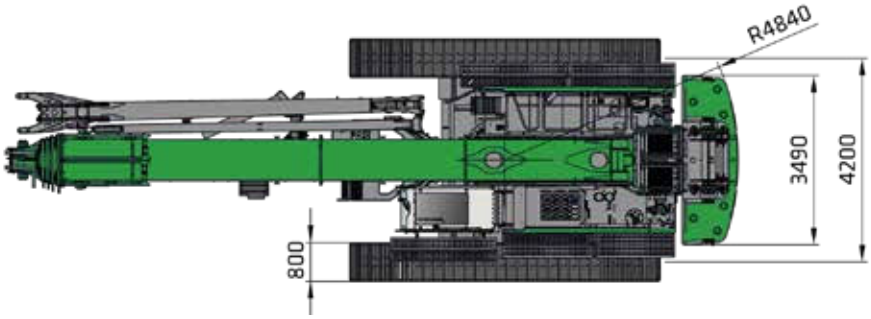
		MAIN BOOM HA			AUXILIARY JIB HA-S			HEAVY DUTY JIB SLS		
										
UNDERCARRIAGE TRACK WIDTH		4.2m	3.44m	2.68m	4.2m	3.44m	2.68m	4.2 m	3.44m	2.68m
Ballast [t]	Undercarriage ballast [t]									
28.2 t	17.0 t	360°	360°	–	360°	360°	–	360°	360°	–
14.3 t	17.0 t	360°	360°	360°	360°	360°	360°	360°	360°	360°
0 t	0 t	360°	360°	360°	360°	360°	360°	360°	360°	360°

		FLY JIB SA 8m			FLY JIB SA 15m		
							
UNDERCARRIAGE TRACK WIDTH		4.2m	3.44m	2.68m	4.2m	3.44m	2.68m
Ballast [t]	Undercarriage ballast [t]						
28.2 t	17.0 t	360°	–	–	360°	–	–
14.3 t	17.0 t	–	–	–	–	–	–
0 t	0 t	–	–	–	–	–	–

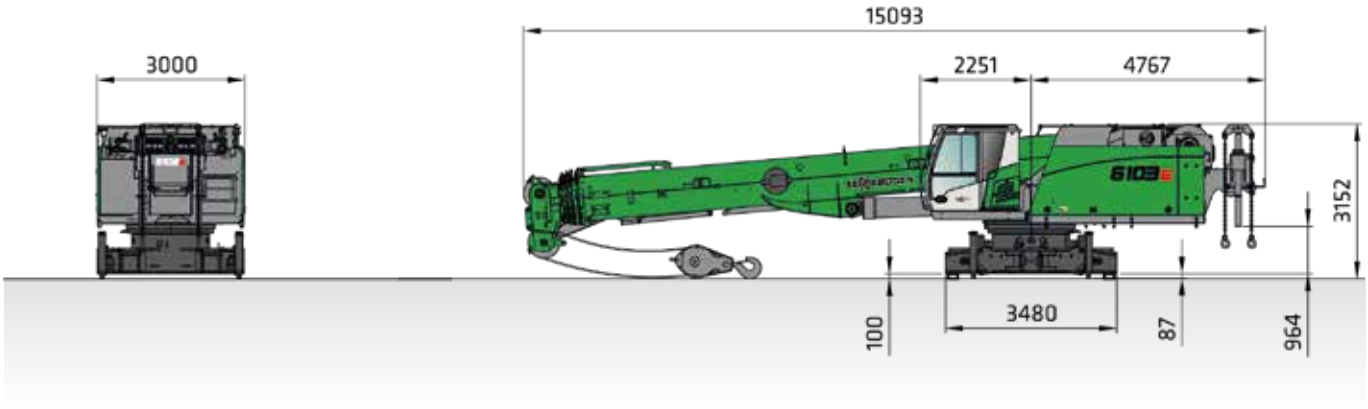
TRANSPORT DIMENSIONS

Weight: approx. 106.9 t (2 winches, 15 m fly boom, 63 t hook, 17 t central ballast, 28.2 t ballast)
Dimensions: 15.2 m x 3.5 m x 3.5 m





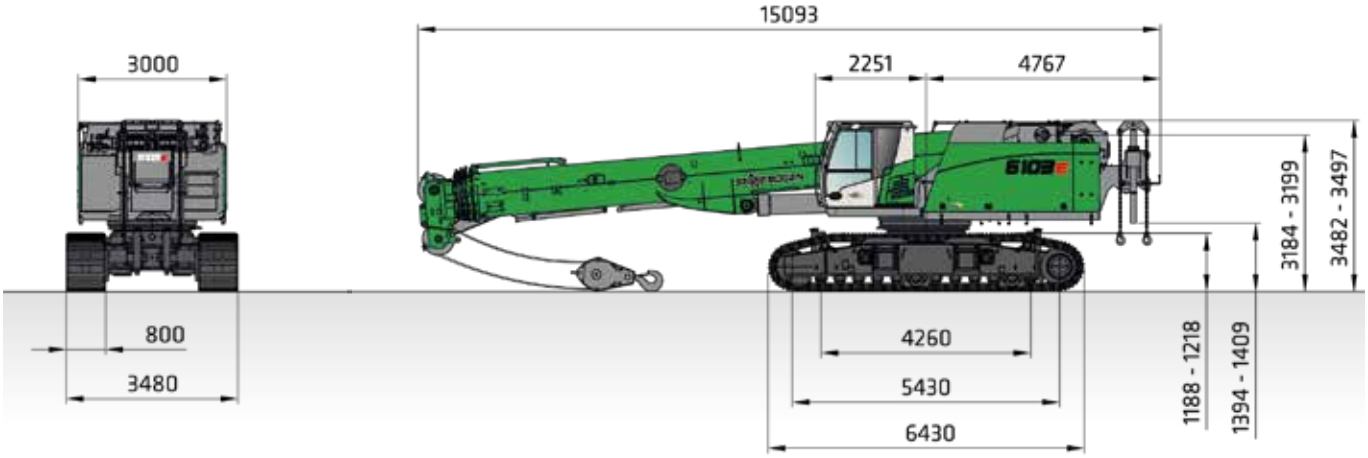
Weight: approx. 42.3 t (2 winches, 15 m fly jib, 63 t hook, without ballast, without crawler tracks, without platform)
Dimensions: 15.1 m x 3.0 m x 3.2 m

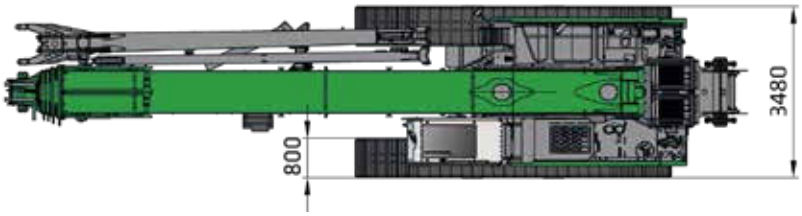


Dimensions in [mm]

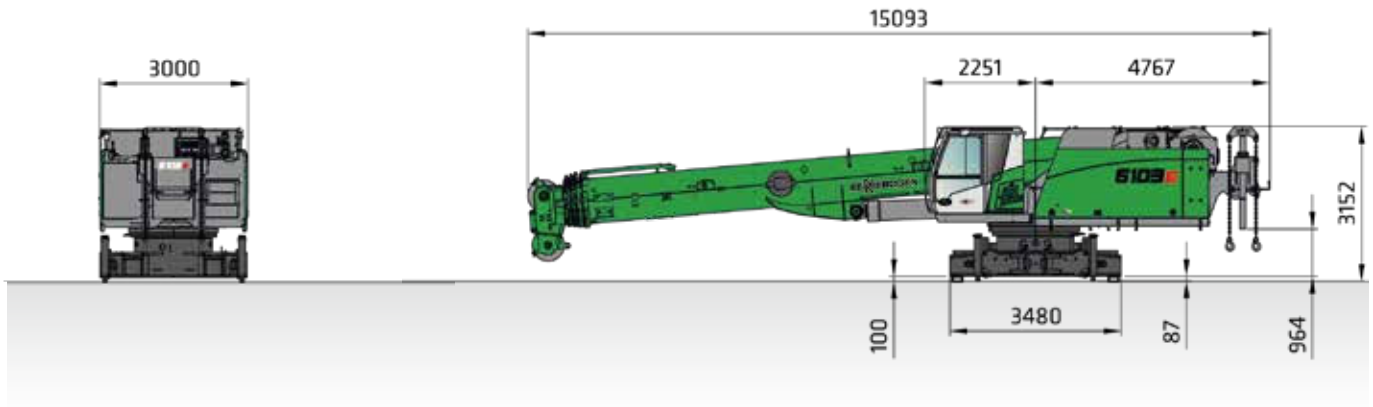
TRANSPORT DIMENSIONS

Weight: approx. 61.0 t (2 winches, 15 m fly jib, 63 t hook, without crawler tracks, without platform)
Dimensions: 15.1 m x 3.5 m x 3.5 m





Weight: approx. 39.9 t (1 winch, without 15 m fly jib, without 63 t hook, without ballast, without crawler tracks, without platform)
Dimensions: 15.1 m x 3.0 m x 3.2 m



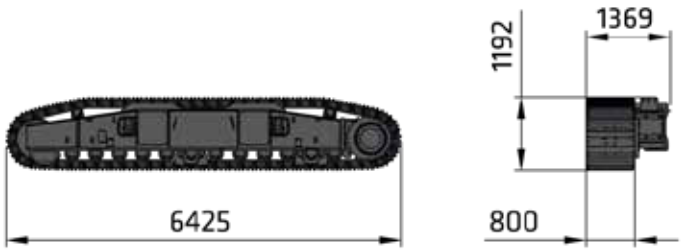
Dimensions in [mm]

TRANSPORT DIMENSIONS

CENTRAL BALLAST 2 X

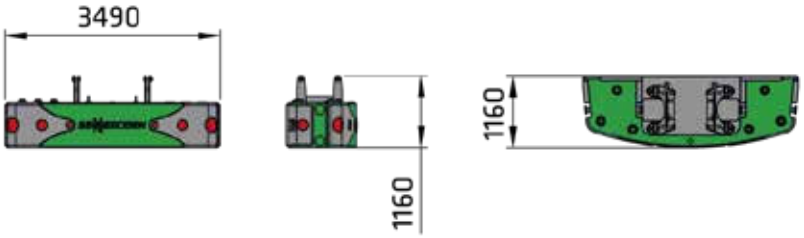
Weight:
8500 kg each

CRAWLER 2 X



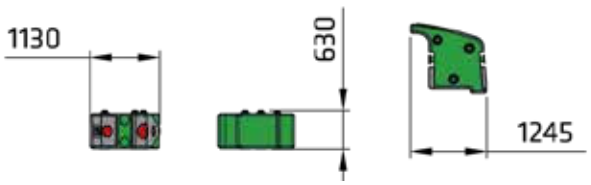
Weight:
9790 kg (800 mm / triple grouser)
10660 kg (800 mm / flat)
10140 kg (900 mm / triple grouser)
11090 kg (900 mm / flat)

BALLAST BASE PLATE



Weight: 14150 kg

BALLAST PLATE 4 X



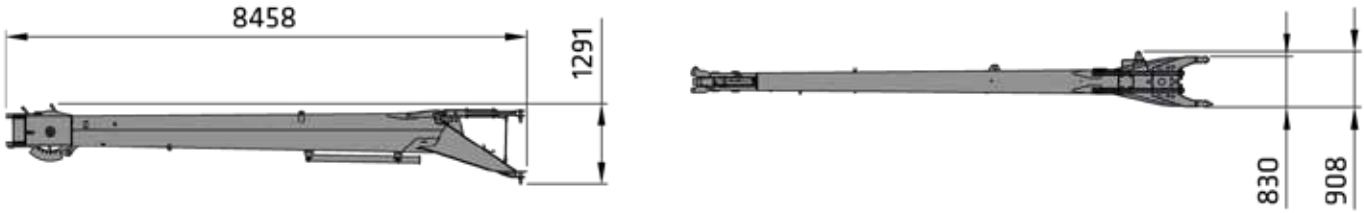
Weight: 3500 kg each

Dimensions in [mm]

TRANSPORT DIMENSIONS

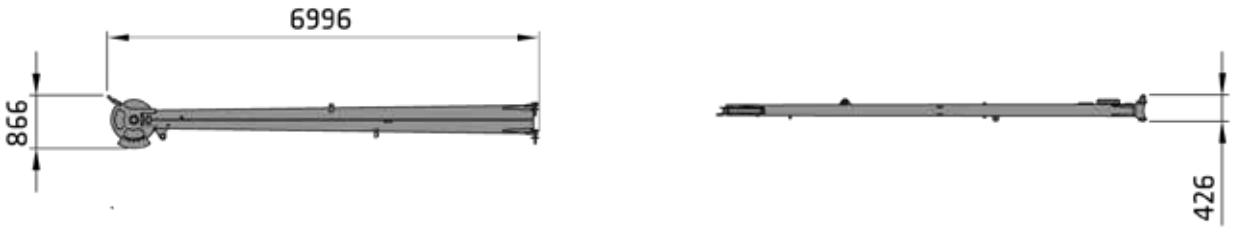
FLY JIB 8 m SA80.2

Weight: 920 kg



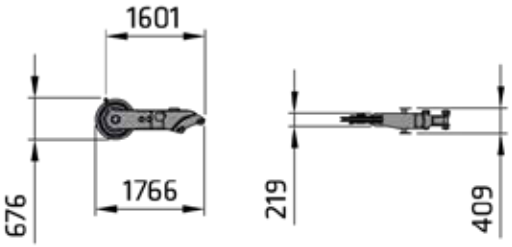
FLY JIB EXTENSION 7 m SAV70.2

Weight: 300 kg



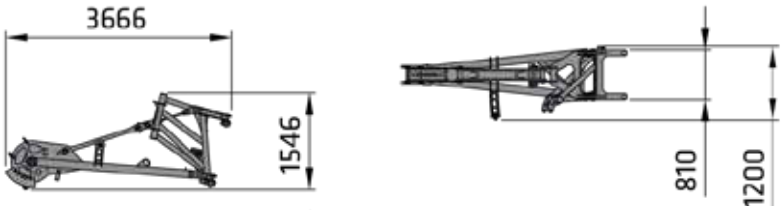
AUXILIARY JIB S10

Weight: 160 kg



HEAVY-DUTY JIB S36.3

Weight: approx. 700 kg

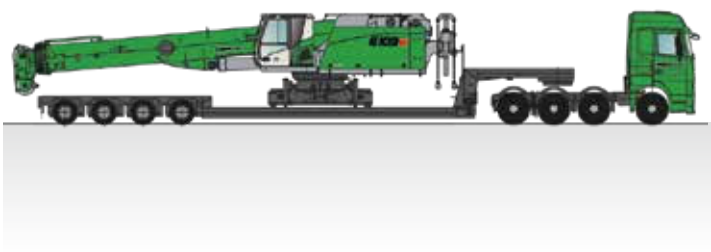


Dimensions in [mm]

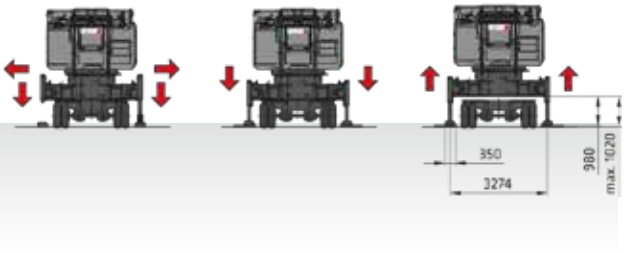
SELF-ASSEMBLY SYSTEM
WITH REMOVED CRAWLER TRACKS

Transport width: 3.0 m

1



2



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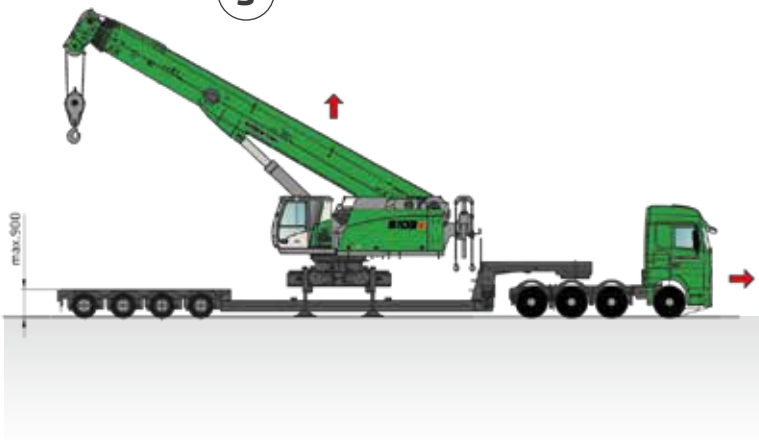

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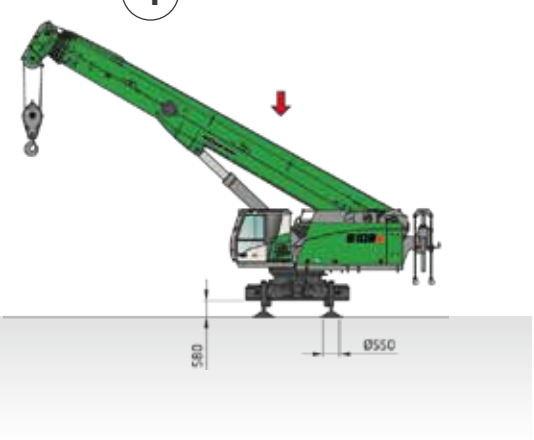

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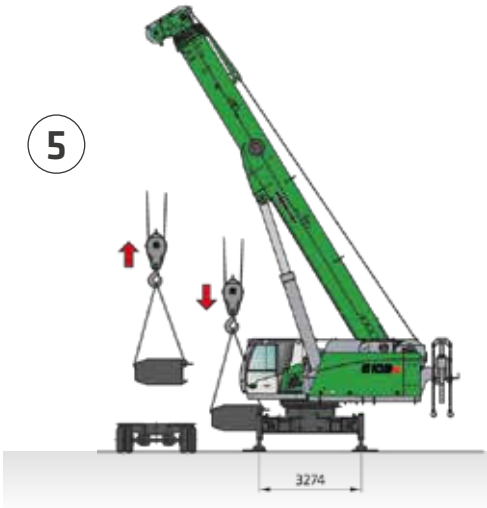

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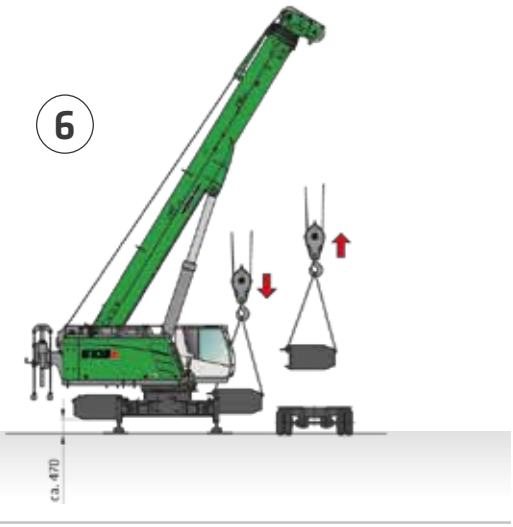
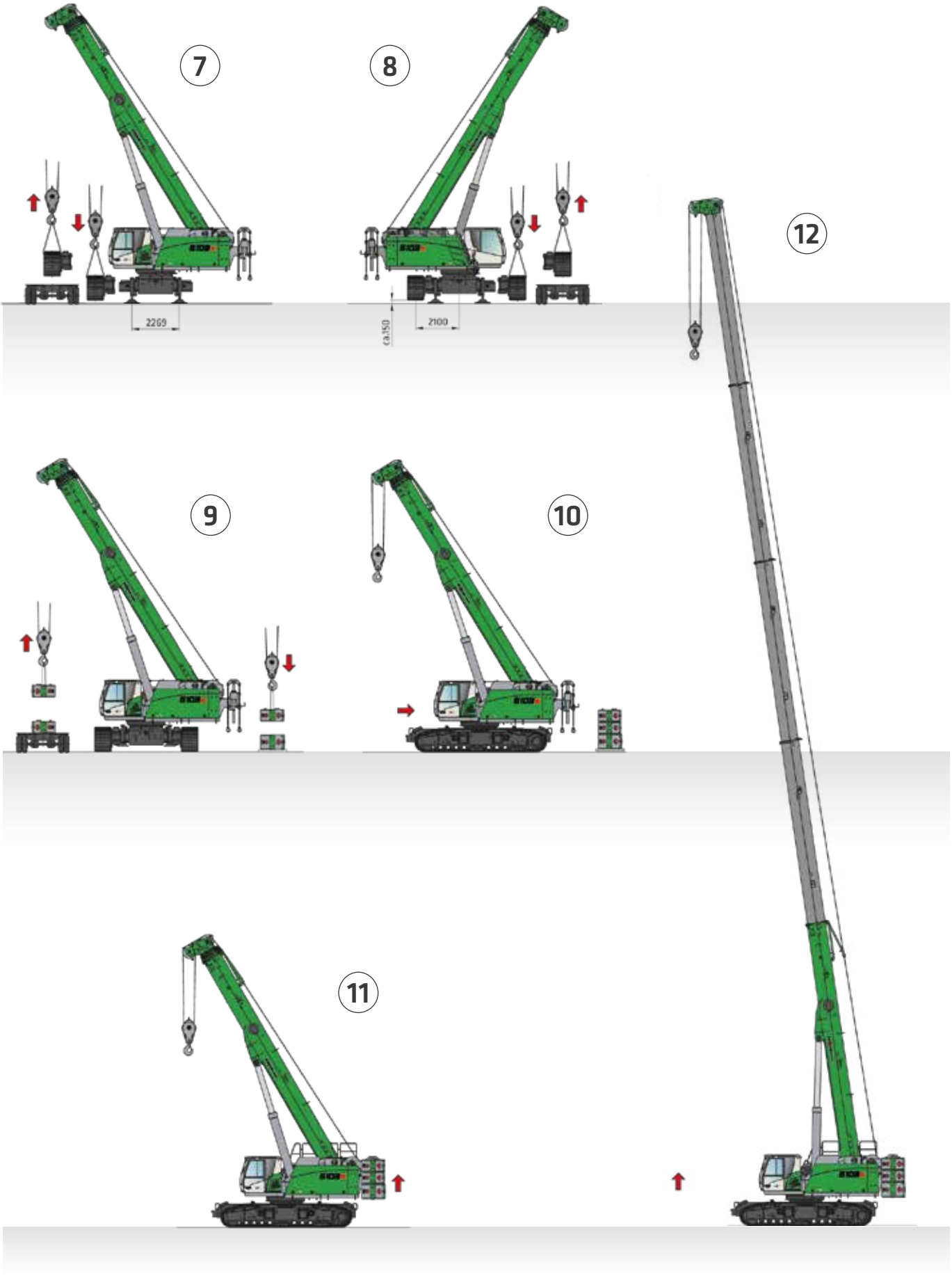
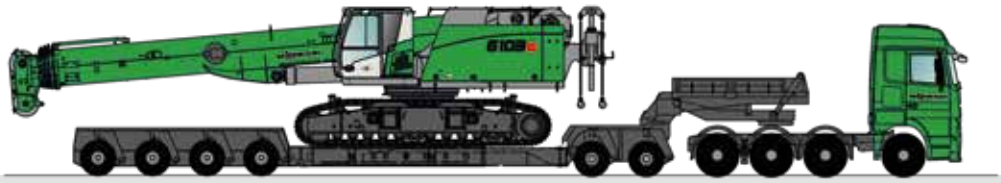



7
2269
8
ca.150
2100
12
9
10
11

SELF-ASSEMBLY SYSTEM
WITH MOUNTED CRAWLER TRACKS

Transport width: 3.5 m

1



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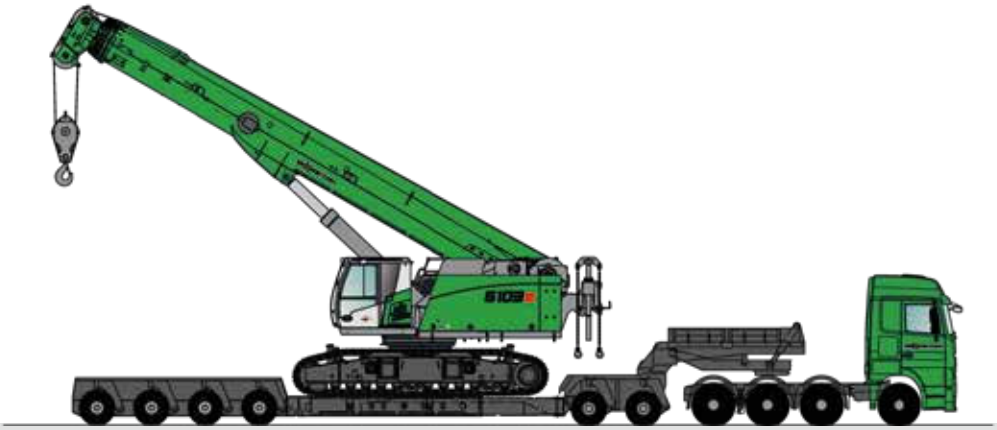

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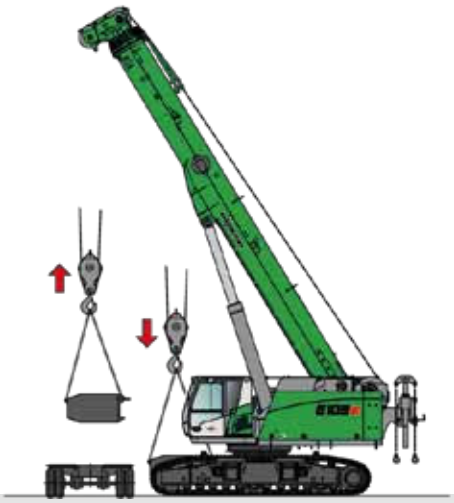

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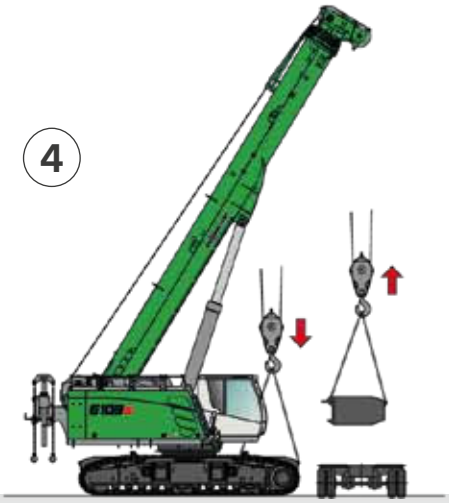

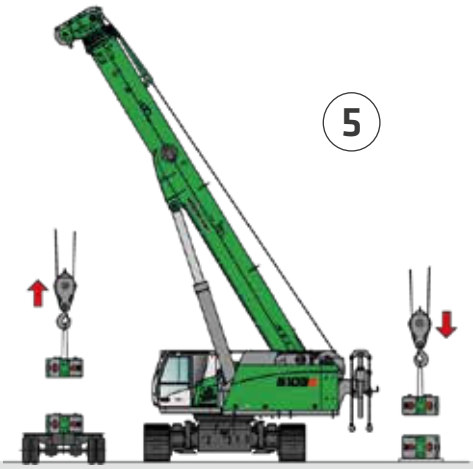
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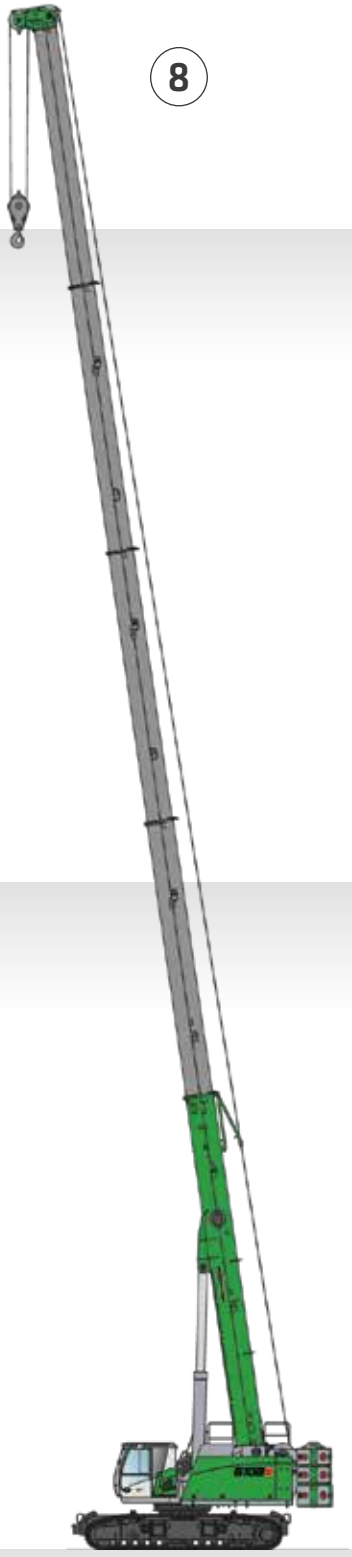
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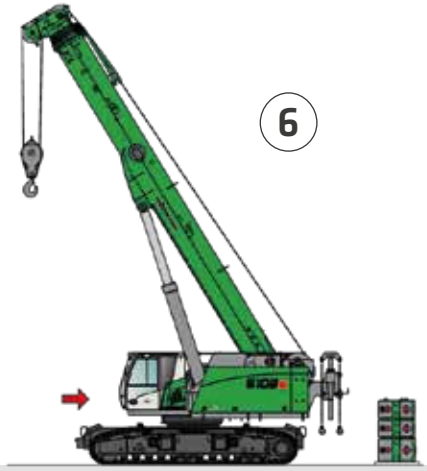
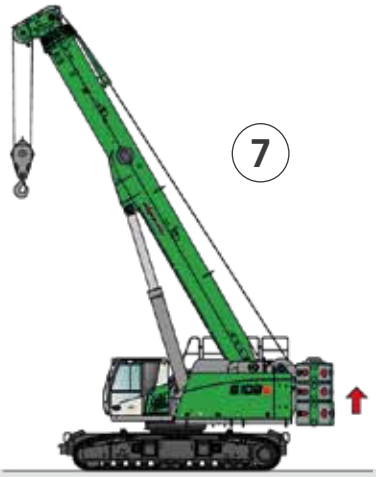

6


7

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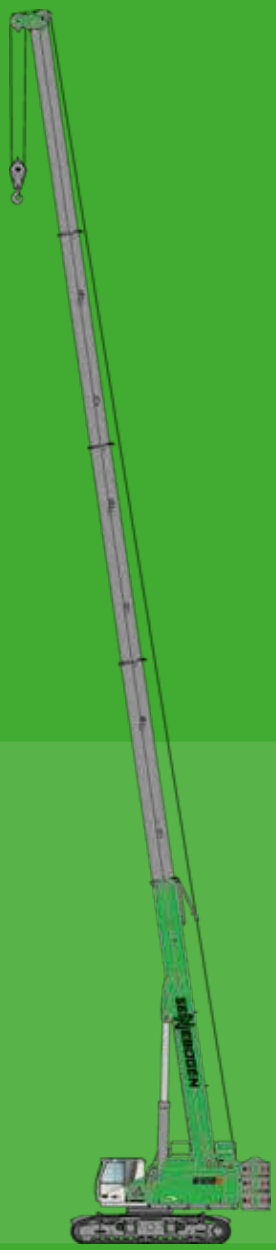
6103E | Crawler

Order no. 295485
6103R-E-012210



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