



6113E | Crawler

SENEBOGEN

# 120 t TELESCOPIC CRAWLER CRANE



 186 kW

 120 t

 40.2 + 12 + 15 m

 MAX CAB

Stage V

# 6113E

## The multifunctional.

With a load capacity of 120 t, the powerful SENNEBOGEN 6113 E telescopic crane is the perfect partner for a wide range of applications in the construction industry and the crane rental sector.

The versatile powerhouse demonstrates its advantages in various tasks and, thanks to its robust design, can also be used for pick and carry tasks on construction sites and in specialized below ground construction. It offers speed and flexibility thanks to the continuously variable telescopic Full-Power Boom.

### 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.

### Ultimate ease of use

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

### More flexibility

The Full-Power Boom telescopes comfortably under load at any length and safely via the joystick. You can master challenging and tight construction site environments with ease with the telescopic crawler undercarriage.

### More variety

Always work optimally with loading hook, auxiliary jib, 36 t heavy-duty jib, 8 m or fly jib extension to 15 m. Boom lengths of up to 67 m are possible in combination with the main boom extension and the fly jib.

### Maintenance & service

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

The photo shows the 6113 E restoring a coastal wall in France.

# Advanced. The E Series



## LONG SERVICE LIFE, HIGH VALUE RETENTION

- Reliable and powerful thanks to its robust construction and high-quality components
- High resale value, even after many years of use

## SOPHISTICATED, STATE-OF-THE-ART TECHNOLOGY

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

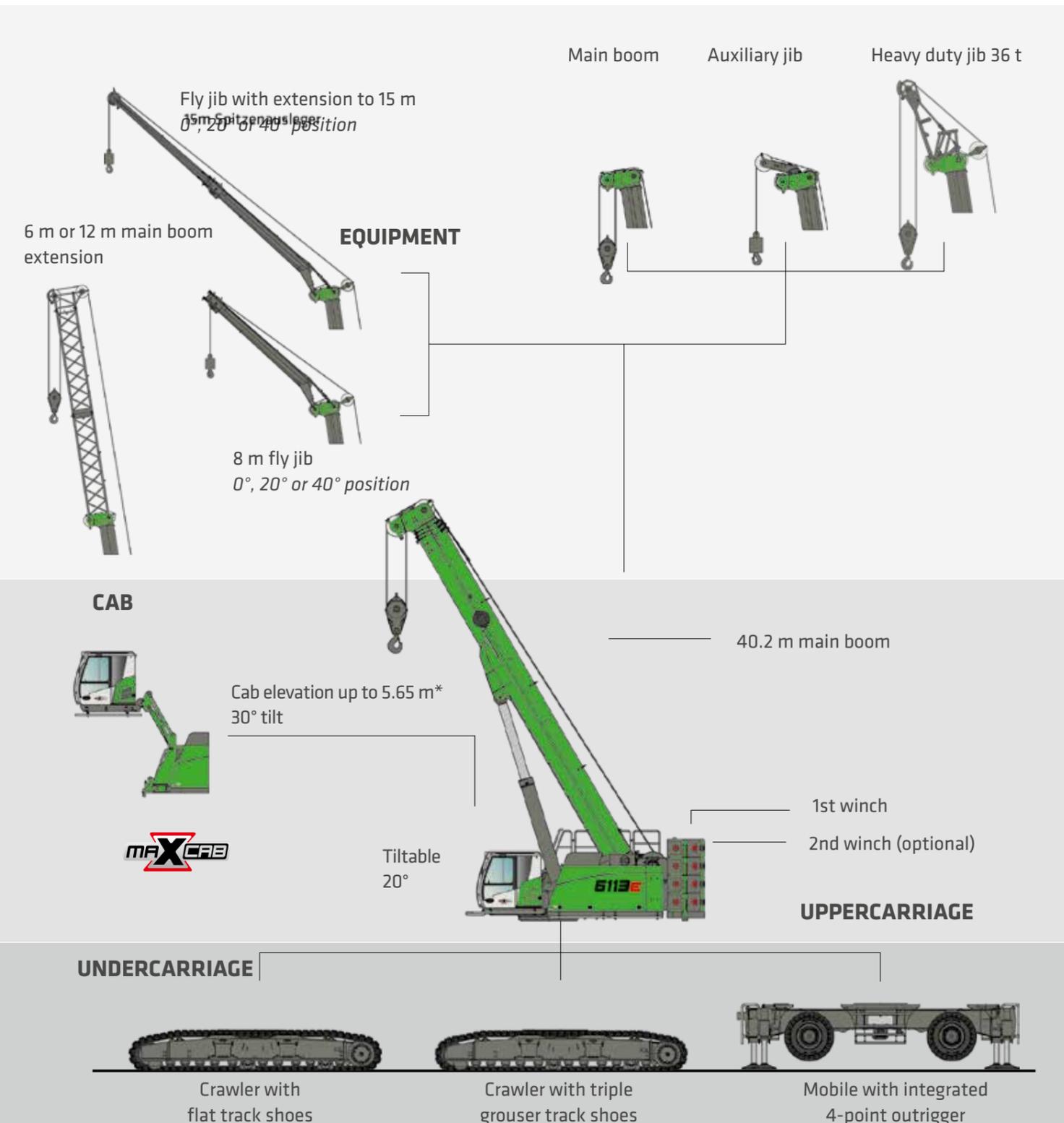
## SIMPLE TO MAINTAIN AND SERVICE

- 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.





## PRECISE AND STRONG. WITH MAXIMUM FLEXIBILITY.

- Pick & Carry: Traveling with loads of up to 100 %
- High stability and optimum maneuverability even on narrow construction sites thanks to telescopic crawler undercarriage
- Optimal overview when lifting loads due to cab with 20° tilt as standard
- Coverage of a large work area and flexibility thanks to a wide range of equipment options
- Operation by radio remote control available



## 120 t MOBILE CRANE. THE MOBILE VERSION 6113 M.

- Truly mobile alternative: Design focused on optimizing stability and load capacity when moving loads with mobile undercarriage
- Ideal for particularly heavy pick & carry tasks in storage space management, industrial relocations and industrial assembly
- The 6113 Mobile is an optional special version. Detailed load charts are available on request in the event of a project.

BETTER VIEW.  
BETTER SAFETY.  
MAXIMUM COMFORT.



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 due to the tried-and-tested sliding doors 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
- Cab tiltable by 20° as standard. Option to hydraulically elevate up to an eye level of 5.65 m and tilt by up to 30°
- Radio with Bluetooth®



PANORAMIC VIEW

Tiltable up to **20°**  
as standard

Particularly spacious for maximum operator comfort (inner width: 87 cm)

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



# 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.



### Economical

Once the crawler tracks and the 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 and the self-mounting counterweight.

# 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. We rely on hydraulics, electrics and electronics only where they provide the greatest benefit.



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



At the central electrical distribution board, clearly arranged standard components simplify maintenance and service.

# TECHNICAL DATA, EQUIPMENT

MACHINE TYPE	
MODEL (TYPE)	6113 Crawler
ENGINE	
TYPE	<p><b>Stage V:</b> Cummins B6.7 FR95885 Rated power: 168 kW/2200 rpm Operating point standard: 186 kW/2000 rpm Operating point ECO: 188 kW/1850 rpm</p> <p><b>Stage IIIa:</b> Cummins QSB6.7 FR96045 Rated power: 164 kW/2000 rpm Operating point standard: 164 kW/2000 rpm Operating point ECO: 170 kW/1850 rpm</p> <p>both: direct injection, turbocharged, charge air cooling, reduced emissions</p>
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	<p>Low temperature packages</p> <p>Electric fuel pump</p>

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	<p>Camera monitoring of the area to the rear and the right side</p> <p>Folding uppercarriage railings</p>
OPTIONS	<p>Additional LED headlights</p> <p>Additional cameras</p> <p>Sea climate resistant coating as corrosion protection</p> <p>Low temperature packages</p> <p>Customized paint finish</p> <p>Automatic central lubrication for boom attachment point, luffing cylinder and live ring track</p> <p>Pinion tooth lubrication</p> <p>2 strobe lights at the rear</p>



# 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 500 l / min
OPERATING PRESSURE	Up to 330 bar
FILTRATION	High-performance filtration with long change interval
HYDRAULIC TANK	1125 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	<p>Hydraulic circuits with safety valves</p> <p>Pipe-fracture safety valves for luffing cylinder and telescopic cylinder</p>
OPTIONS	<p>Bio-oil filling</p> <p>SENNEBOGEN HydroClean micro-filter system (3 µm) with water separator</p> <p>Hydraulic tank preheating</p>

SLEWING DRIVE	
GEARS	Compact planetary gear with bent-axis hydraulic engine, integrated brake valves
SLEW BRAKE	Spring-loaded multi-disk brake
SLEWING RING	Large 1 externally geared 1-row slewing ring
SLEWING SPEED	0-2 rpm, variable

CAB	
CAB TYPE	Maxcab, tiltable 20°
CAB FEATURES	<p>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.</p>
OPTIONS	<p>Cab adjustment type E270, hydraulically variable elevation up to 2.7 m and hydraulic backwards tilting by approx. 30°</p> <p>Auxiliary heating system with timer</p> <p>Activated-carbon filter for cab</p> <p>Bullet proof windshield</p> <p>Bullet proof skylight</p> <p>FOPS protective roof grating</p> <p>FOPS protective front grating</p> <p>Radio with USB and SD connections, MP3 and Bluetooth® function</p>



## TECHNICAL DATA, EQUIPMENT



Optional: radio remote control

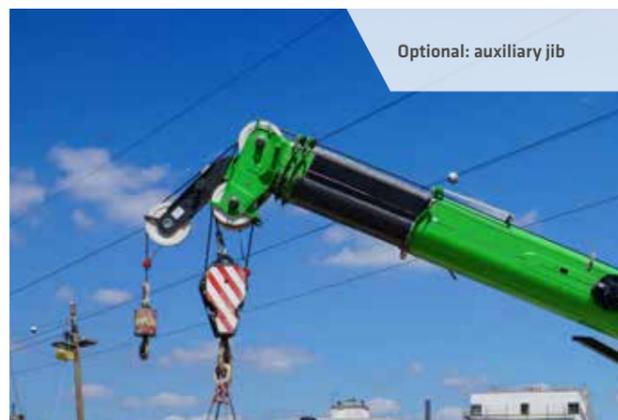
### EQUIPMENT

**BOOM** 4-section with pulley head, hydraulically telescopic end-to-end from 12.6 to 40.2 m, luffing from 0° to 80° in approx. 50 seconds; complete telescopic extension in 150 seconds.

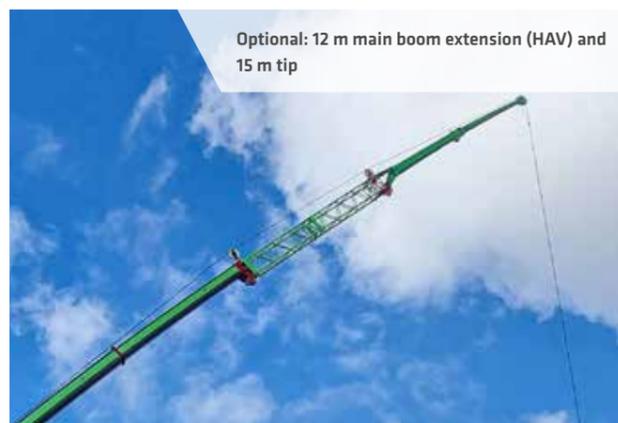
**CRANE SAFETY** Latest generation of load moment monitoring with event recorder, clear operations panel showing all important data via the SENCON display, lifting limit switch, cable exit protection, pressure relief valves and pipe fracture protection SENtrack telemetry system

**CYLINDERS** Hydraulic cylinders with high-quality sealing and guide elements

**OPTIONS** 8 m fly jib, 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, tiltable (0°, 20°, 40°), load capacity 6.0 t at 0° can be bolted to basic boom when not in use  
 Auxiliary jib: 12.5 t load capacity, 1-strand 36 t heavy-duty jib  
 Main boom extension HAV 6 m or 12 m  
 Additional load charts accepted for 2°/4° incline position  
 Electro-hydraulic emergency unit  
 Radio remote control  
 Programmable working limit



Optional: auxiliary jib



Optional: 12 m main boom extension (HAV) and 15 m tip

## TECHNICAL DATA, EQUIPMENT

### UNDERCARRIAGE

**DESIGN** Very strong, hydraulically telescopic crawler undercarriage

**DRIVE** Strong travel drive with 2-stage variable-displacement hydraulic engine and directly attached automatically functioning brake valve and compact planetary gear on each running gear side

**SLEW BRAKE** Spring-loaded multi-disk brake

**CRAWLER TRACKS** Maintenance-free tractor chassis with hydraulic chain tension, 900 mm triple grouser shoes

**SPEED** 0 - 2.5 km/h

**OPTIONS** 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 are spring-loaded, maintenance-free, low-wear disc brakes running in the oil bath, oil-cooled

125 kN tensile force, cable speed 0 - 115 m/min., cable diameter 26 mm, max. cable length 175 m

**SAFETY BRAKE** Spring-loaded multi-disk brake

**OPTIONS** 2nd winch: 125 kN tensile force, cable speed 0 - 115 m/min., cable diameter 26 mm, max. cable length 175 m



Optional: additional camera for winch monitoring

### OPERATING WEIGHT

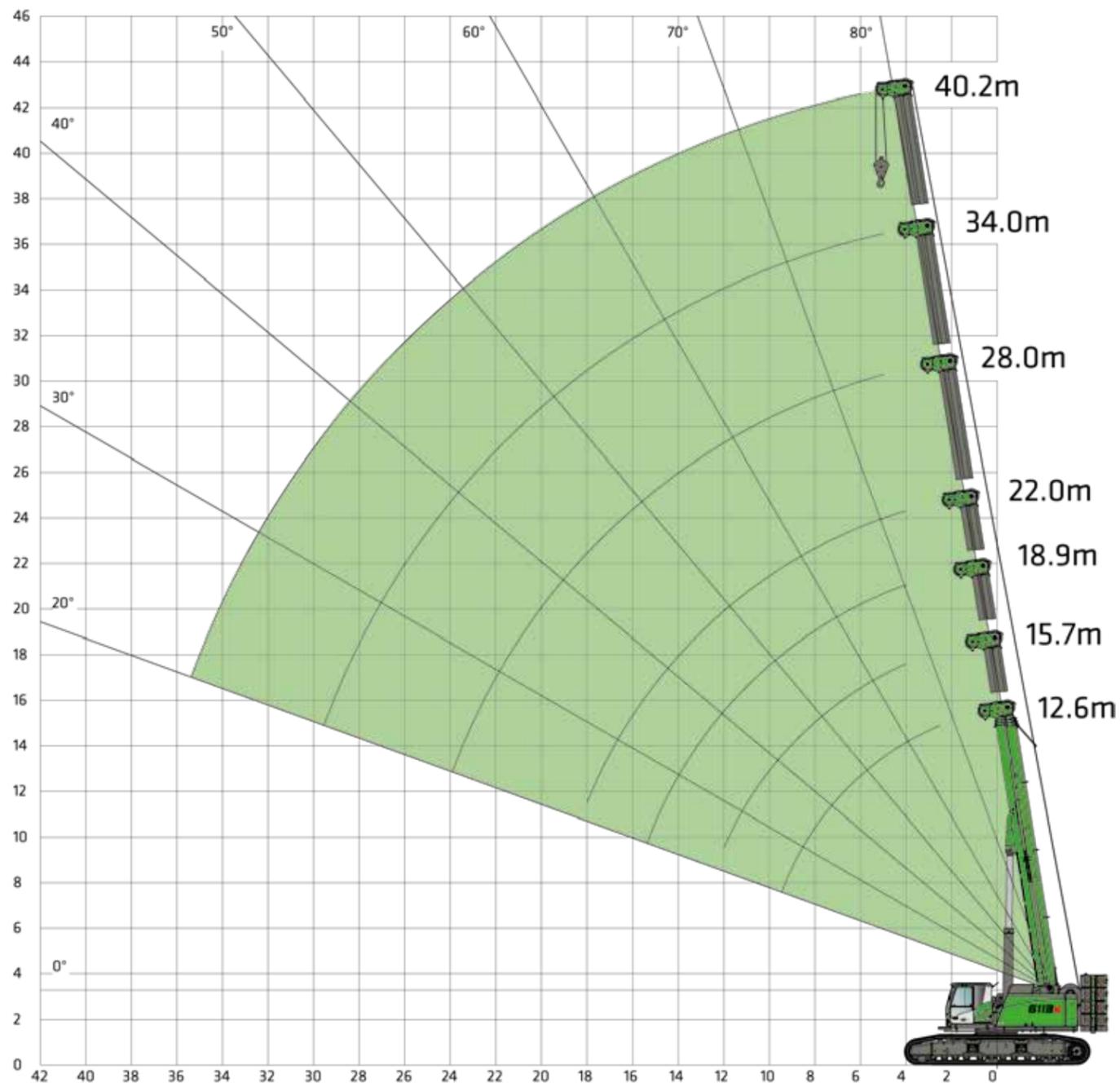
**MASS** **appr. 113,400 kg** with 40.2 m telescopic boom, 8 m fly jib, 80 t hook, 900 mm triple grouser shoes, 2 hoist winches, with hydraulic telescopic undercarriage, ballast 33 t

**NOTE** Operating weight varies by model and equipment. Subject to technical changes!



# CRANE EQUIPMENT

 MAIN BOOM  
HA 40.2 m



# CRANE EQUIPMENT

 MAIN BOOM  
HA 40.2 m

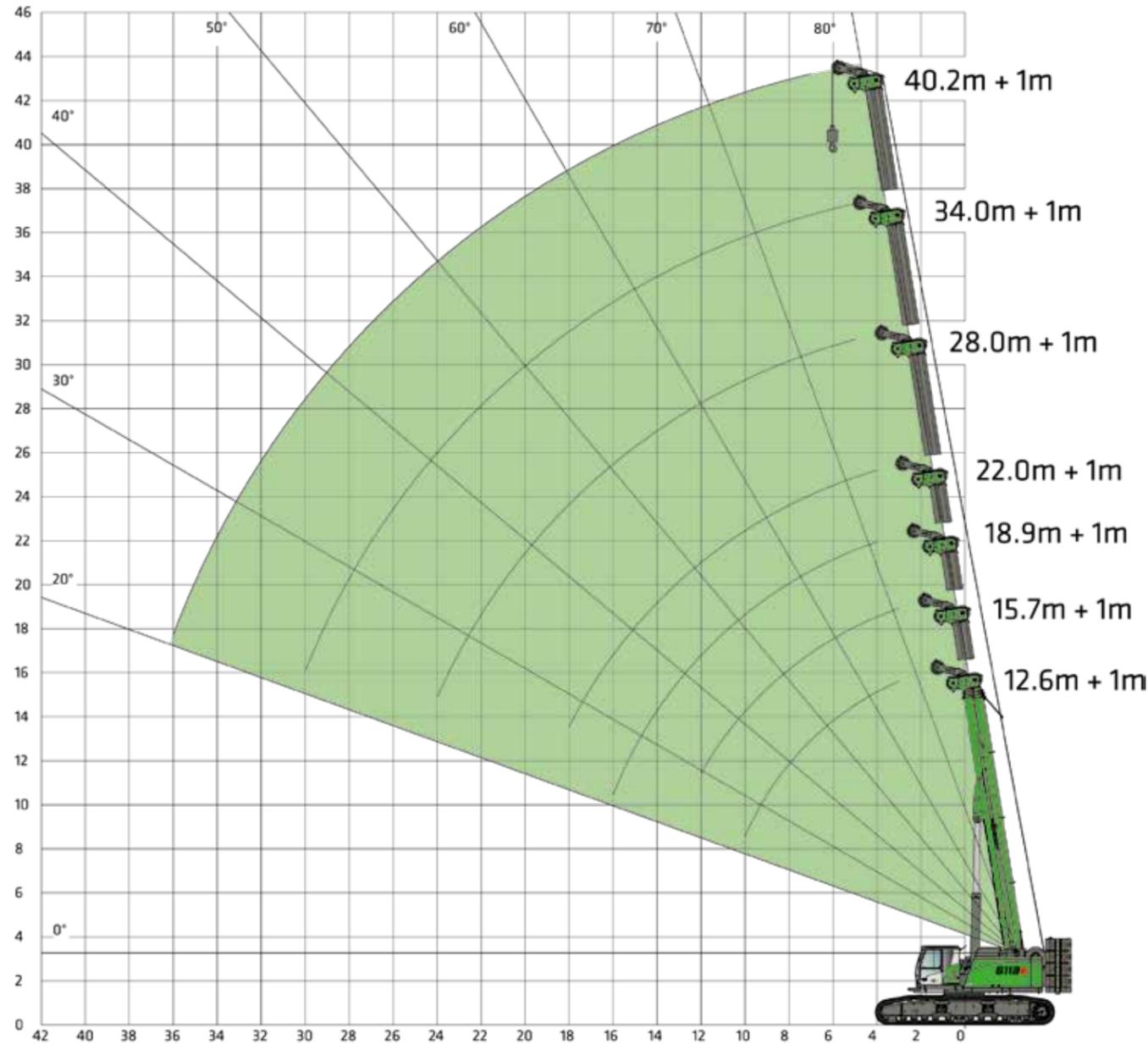
 MAX. INCLINATION  
0.3°

 EN  360°

RADIUS [m]	BOOM LENGTH [m]																				
	12.6			15.7			18.9			22.0			28.0			34.0			40.2		
Ballast [t]																					
Track width [m]																					
2.5	120.0																				
3.0	100.0																				
4.0	84.0	75.0	75.0	69.0	69.0	69.0	66.0	66.0	66.0	52.0	52.0	52.0									
5.0	75.0	75.0	75.0	69.0	69.0	69.0	61.4	61.4	61.4	52.0	52.0	52.0	37.0	37.0	37.0	30.0	30.0	30.0			
6.0	70.0	70.0	63.5	67.0	67.0	63.1	54.0	54.0	54.0	48.4	48.2	48.2	37.0	37.0	37.0	29.8	29.8	29.8	21.0	21.0	21.0
7.0	60.0	55.5	53.7	59.0	54.9	53.3	48.3	48.3	48.3	43.3	43.3	43.3	36.2	36.2	36.2	28.5	28.5	28.5	21.0	21.0	21.0
8.0	52.0	45.1	46.0	50.0	44.5	45.4	43.4	43.4	43.4	38.8	38.8	38.8	33.7	33.7	33.7	27.0	27.0	27.0	20.0	20.0	20.0
9.0	45.0	37.7	37.8	45.0	37.2	37.2	39.3	36.8	36.8	35.2	35.2	35.2	31.0	31.0	31.0	25.2	25.2	25.2	19.4	19.4	19.4
10.0	40.0	32.1	31.8	39.9	31.7	31.3	36.0	31.3	30.9	32.1	31.0	30.6	28.2	28.2	28.2	23.4	23.4	23.4	18.6	18.6	18.6
12.0				30.8	24.0	23.2	30.5	23.7	22.9	27.1	23.5	22.6	24.4	24.3	23.6	20.4	20.4	20.4	16.6	16.6	16.6
14.0							23.9	18.6	17.7	23.2	18.4	17.4	21.1	19.2	18.3	17.9	17.9	17.9	14.8	14.8	14.8
16.0							19.3	15.0	14.0	19.1	14.8	13.8	18.4	15.6	14.7	15.9	15.9	15.2	13.3	13.3	13.3
18.0										15.7	12.1	11.1	16.2	12.9	12.0	14.3	13.4	12.5	12.0	12.0	12.0
20.0													14.0	10.8	9.9	12.9	11.3	10.4	10.8	10.8	10.8
22.0													12.0	9.1	8.3	11.6	9.6	8.8	9.8	9.8	9.1
24.0													10.3	7.7	6.8	10.7	8.2	7.4	9.0	8.6	7.8
26.0																9.4	7.1	6.2	8.2	7.4	6.6
28.0																8.2	6.0	5.2	7.6	6.4	5.6
30.0																7.2	5.1	4.4	7.0	5.5	4.8
32.0																			6.4	4.7	4.0
Number of falls	10	6	6	8	8	8	8	8	8	7	7	7	5	5	5	4	4	4	3	3	3
I	0 %			33 %			66 %			100 %			100 %			100 %			100 %		
II	0 %			0 %			0 %			0 %			33 %			66 %			100 %		
III	0 %			0 %			0 %			0 %			33 %			66 %			100 %		
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]	520			420			350			300			240			200			170		

Tab. no.: 6113R-75/2790/33 0-0-0/09.14 HA 0.3°  
 Tab. no.: 6113R-75/2790/33 0-0-0/09.14 HA 0.3°  
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# CRANE EQUIPMENT



# CRANE EQUIPMENT

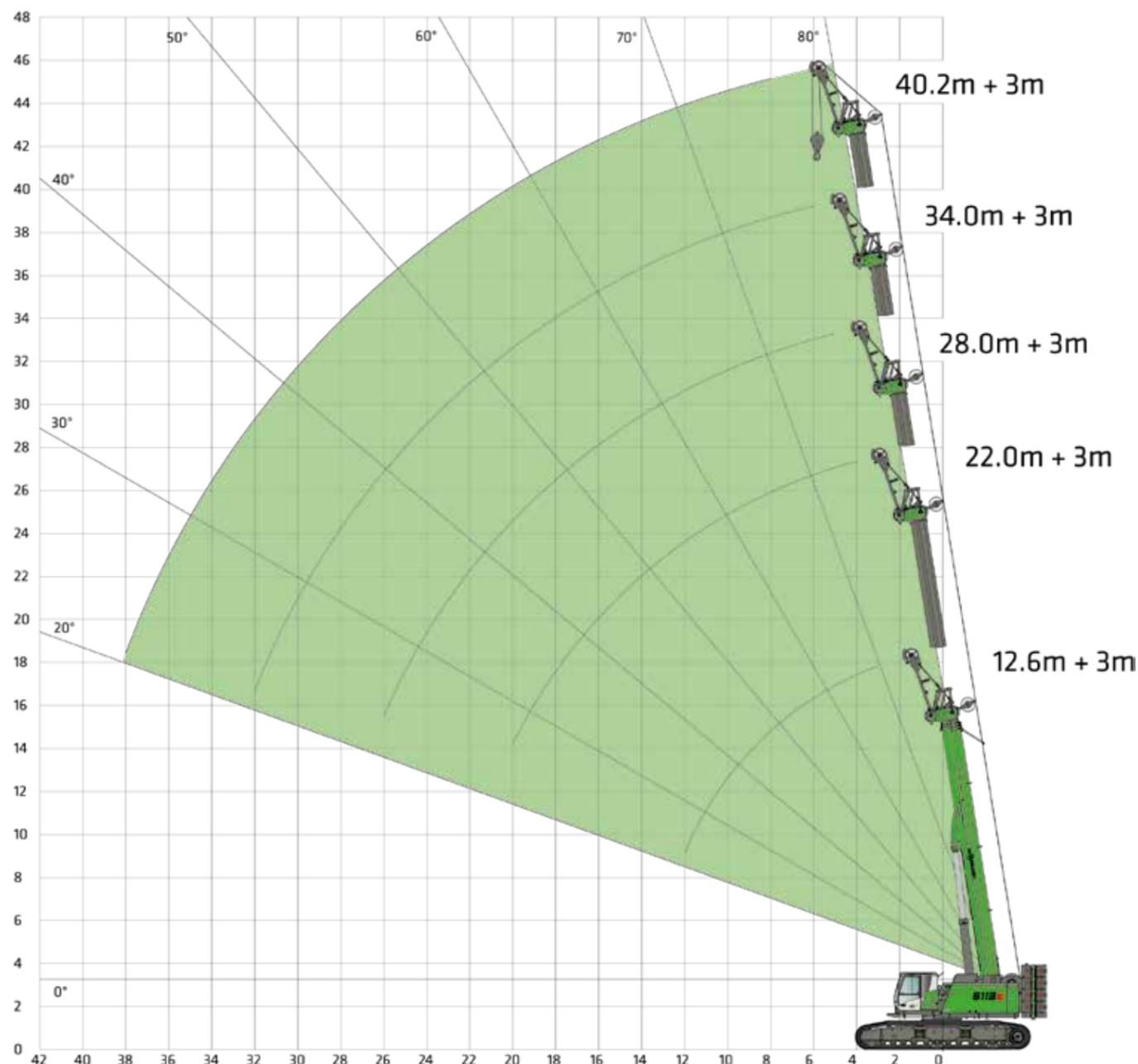


RADIUS [m]	BOOM LENGTH [m]																				
	12.6			15.7			18.9			22.0			28.0			34.0			40.2		
Ballast [t]	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Track width [m]	33.0	33.0	19.2	33.0	33.0	19.2	33.0	33.0	19.2	33.0	33.0	19.2	33.0	33.0	19.2	33.0	33.0	19.2	33.0	33.0	19.2
3.0	12.5	12.5	12.5	12.5	12.5	12.5															
4.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5									
5.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5			
6.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.3	12.3	12.3			11.9
7.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.2	12.2	12.2	11.8	11.8	11.8
8.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.1	12.1	12.1	11.7	11.7	11.7
9.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.4	12.4	12.0	12.0	12.0	11.5	11.5	11.5
10.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.3	12.3	12.3	11.9	11.9	11.9	11.4	11.4	11.4
12.0				12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.3	12.3	12.3	11.8	11.8	11.8	11.3	11.3	11.3
14.0							12.5	12.5	12.5	12.5	12.5	12.5	12.3	12.3	12.3	11.8	11.8	11.8	11.1	11.1	11.1
16.0							12.5	12.5	12.5	12.5	12.5	12.5	12.3	12.3	12.3	11.7	11.7	11.7	10.8	10.8	10.8
18.0										12.5	12.4	11.5	12.3	12.3	12.2	11.7	11.7	11.7	10.3	10.3	10.3
20.0													12.3	11.0	10.1	11.5	11.5	10.6	9.5	9.5	9.5
22.0													12.1	9.3	8.4	10.6	9.8	8.9	8.7	8.7	8.7
24.0													10.4	7.9	7.0	9.8	8.4	7.6	8.0	8.0	7.9
26.0																9.0	7.2	6.4	7.4	7.4	6.7
28.0																8.3	6.1	5.3	6.9	6.5	5.7
30.0																7.2	5.2	4.4	6.4	5.6	4.8
32.0																			5.9	4.8	4.1
34.0																			5.5	4.1	3.4
36.0																			5.1	3.4	2.8
Number of falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I	0 %			33 %			66 %			100 %			100 %			100 %			100 %		
II	0 %			0 %			0 %			0 %			33 %			66 %			100 %		
III	0 %			0 %			0 %			0 %			33 %			66 %			100 %		
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]	770			610			510			430			340			280			240		

Tab. no.: 6113R-75/2750/33.0-0+0/0914 HA-S 0.3°  
 Tab. no.: 6113R-75/2150/33.0-0+0/0914 HA-S 0.3°  
 Tab. no.: 6113R-75/2750/19.2-0+0/0914 HA-S 0.3°

# CRANE EQUIPMENT

 **MAIN BOOM**  
HA 40.2 m + SLS (HEAVY-DUTY JIB)



# CRANE EQUIPMENT

 **MAIN BOOM**  
HA 40.2 m + SLS

 **BALLAST**  
33.0 t

**EN** 

 **MAX. INCLINATION**  
0.3°

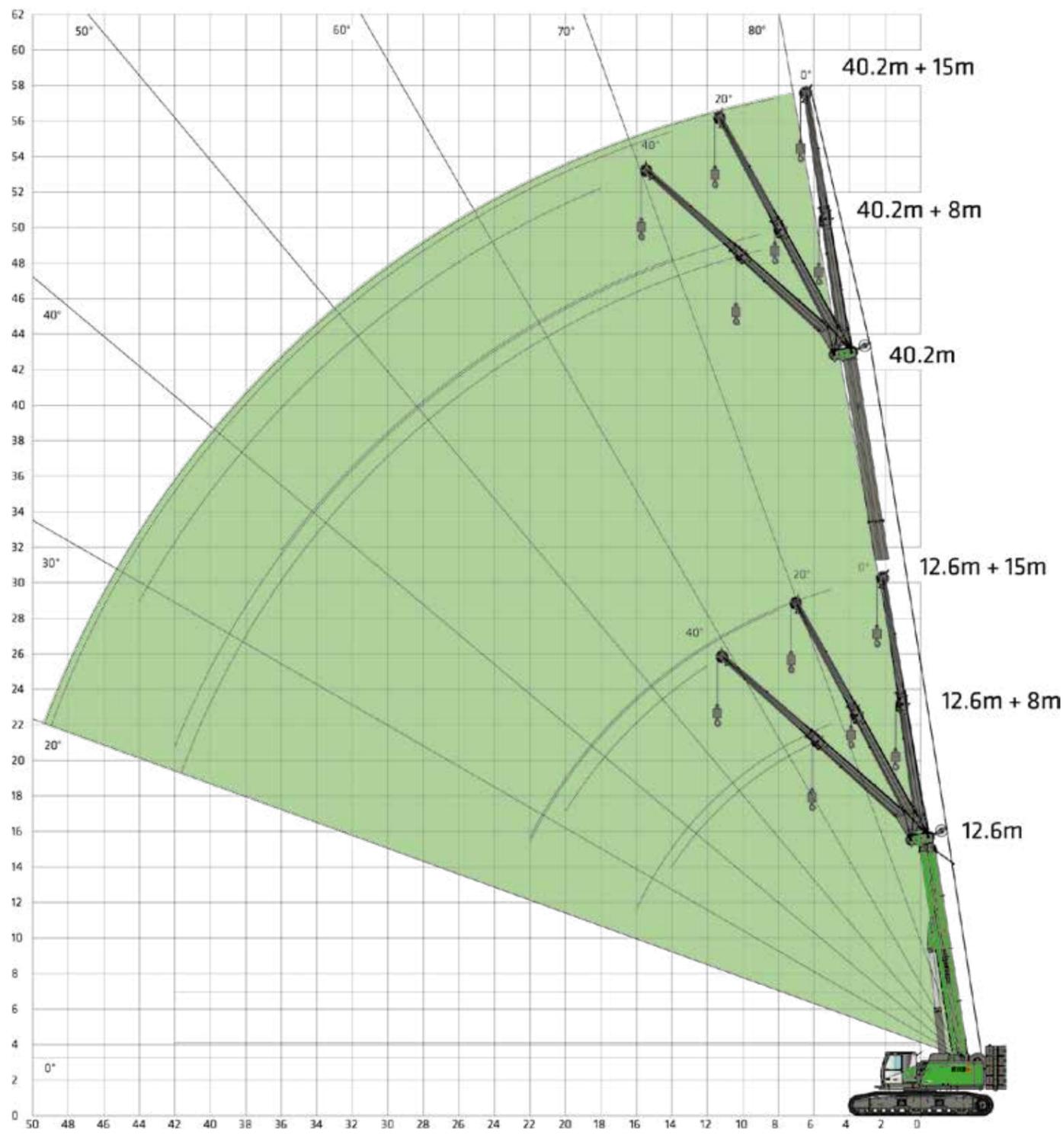
 **TRACK WIDTH**  
5.4 m

RADIUS [m]	BOOM LENGTH [m]				
	12.6	22.0	28.0	34.0	40.2
3.0	36.0				
4.0	35.8	36.0			
5.0	33.6	36.0	26.0		
6.0	31.8	35.1	26.0	26.0	
7.0	30.2	33.6	26.0	24.8	
8.0	28.9	32.4	26.0	23.5	18.0
9.0	27.9	31.3	25.5	22.2	17.0
10.0	27.0	29.6	24.9	20.9	16.1
12.0	26.1	25.6	22.0	18.3	14.3
14.0		22.1	19.4	16.3	12.8
16.0		19.3	17.2	14.5	11.5
18.0		16.1	15.3	13.0	10.4
20.0		13.5	13.6	11.2	9.4
22.0			11.9	10.7	8.5
24.0			10.2	9.7	7.8
26.0			8.8	8.9	7.1
28.0				8.0	6.5
30.0				6.9	6.0
32.0				6.0	5.5
34.0					5.0
36.0					4.7
38.0					4.0
<b>Number of falls</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>
<b>I</b>	0 %	100 %	100 %	100 %	100 %
<b>II</b>	0 %	0 %	33 %	66 %	100 %
<b>III</b>	0 %	0 %	33 %	66 %	100 %
The load ratings must be reduced if there's a 15 m fly jib folded to the side of the main boom.					
<b>Load capacity reduction [kg]</b>	520	300	240	200	170

Tab. no.: 6113E-75/7790/33.0-0.0/05.15 SLS 0.3°

# CRANE EQUIPMENT

 FLY JIB  
SA 8 m / SA 15 m



# CRANE EQUIPMENT

 FLY JIB  
SA 8 m

 BALLAST  
33.0 t

 EN  360°

 MAX. INCLINATION  
0.3°

 TRACK WIDTH  
5.4 m

RADIUS [m]	BOOM LENGTH [m]														
	12.6			22.0			28.0			34.2			40.2		
	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	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°
5.0	15.4	10.9		18.0			17.5								
6.0	14.0	10.2	8.1	16.5			16.5								
7.0	12.8	9.7	7.8	15.5	10.5		15.6	10.3		14.2					
8.0	11.8	9.2	7.5	14.5	10.1	7.8	14.7	10.1		13.7					
9.0	10.9	8.7	7.2	13.6	9.7	7.6	14.0	9.8	7.6	13.1	9.5		11.8		
10.0	10.2	8.3	6.9	12.8	9.3	7.4	13.3	9.5	7.4	12.6	9.3	7.3	11.4		
12.0	9.0	7.5	6.4	11.5	8.7	7.0	12.1	8.9	7.1	11.7	8.8	7.0	10.8	8.4	
14.0	8.0	7.1	6.1	10.4	8.2	6.6	11.0	8.4	6.7	10.9	8.3	6.7	10.2	8.0	6.5
16.0	7.2	6.7		9.5	7.7	6.3	10.2	8.0	6.5	10.2	8.0	6.4	9.6	7.7	6.3
18.0				8.7	7.3	6.1	9.5	7.6	6.3	9.5	7.6	6.2	9.1	7.4	6.1
20.0				8.1	7.0	5.9	8.8	7.3	6.0	9.0	7.3	6.0	8.5	7.1	5.9
22.0				7.5	6.7		8.2	7.0	5.8	8.4	7.0	5.8	8.0	6.9	5.8
24.0				7.0	6.5		7.7	6.7	5.7	8.0	6.8	5.7	7.4	6.6	5.6
26.0							7.3	6.5	5.6	7.5	6.6	5.5	6.8	6.4	5.5
28.0							6.9	6.4		7.2	6.4	5.4	6.3	6.2	5.3
30.0							6.6	6.2		6.8	6.2	5.3	5.8	5.8	5.2
32.0							6.4			6.5	6.1		5.4	5.5	5.2
34.0										5.9	6.0		5.0	5.1	5.1
36.0										5.2	5.4		4.7	4.7	4.8
38.0										4.6			4.3	4.4	
40.0													4.0	4.1	
42.0													3.6	3.7	
44.0													3.2		
Number of falls	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1
I		0 %			100 %			100 %			100 %			100 %	
II		0 %			0 %			33 %			66 %			100 %	
III		0 %			0 %			33 %			66 %			100 %	

Tab. no. 6113R-75/2790/33.0+0.0/09/14 SA8 0.3°

# CRANE EQUIPMENT

 FLY JIB  
SA 15 m

 BALLAST  
33.0 t

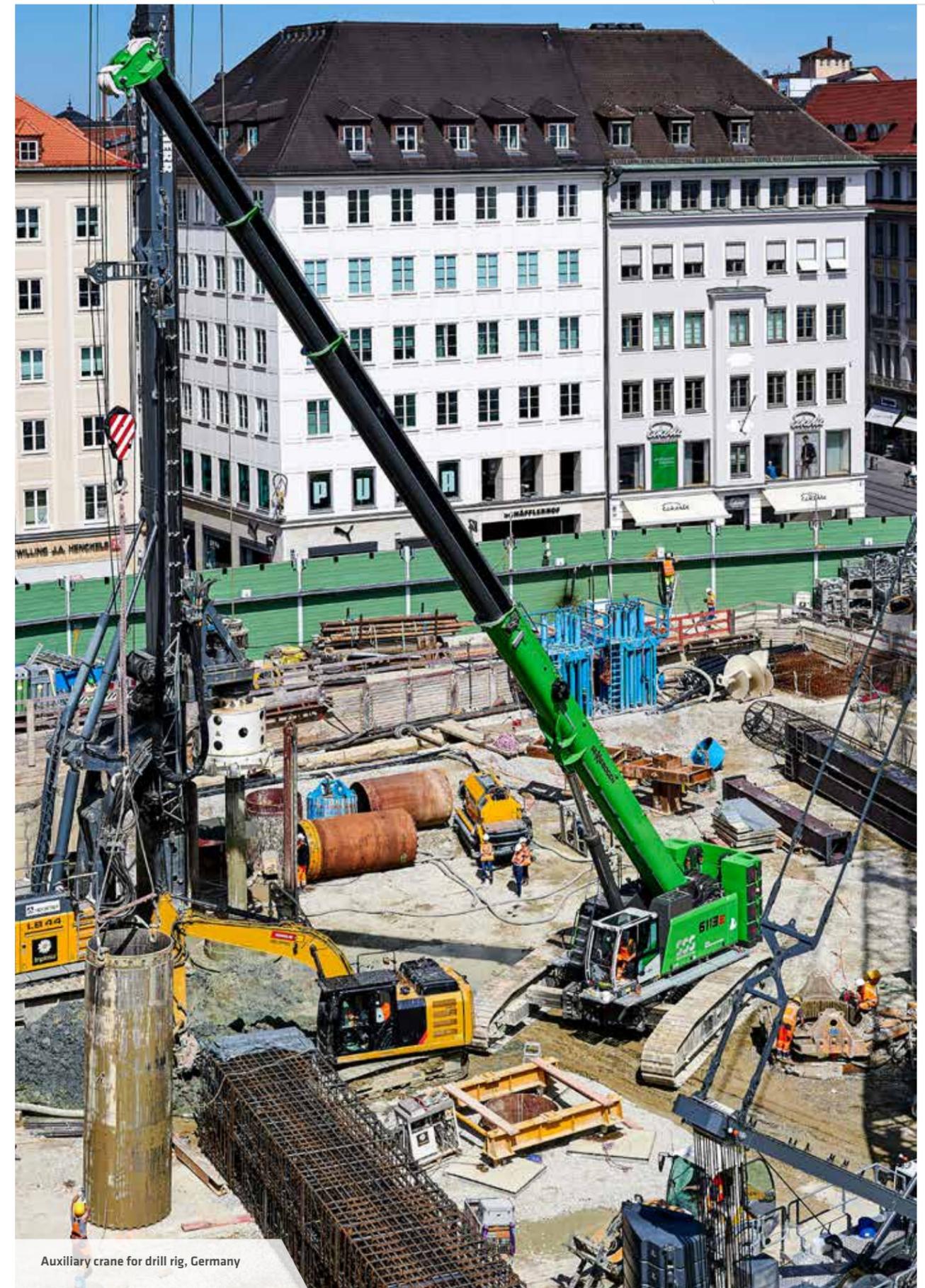
 EN  360°

 MAX. INCLINATION  
0.3°

 TRACK WIDTH  
5.4 m

RADIUS [m]	BOOM LENGTH [m]														
	12.6			22.0			28.0			34.2			40.2		
	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°
5.0	6.0			6.0											
6.0	5.8			5.8			5.8			5.3					
7.0	5.6			5.7			5.6			5.2					
8.0	5.4			5.6			5.4			5.1			4.7		
9.0	5.1	4.1		5.5			5.3			5.0			4.7		
10.0	4.8	4.0		5.3	4.0		5.2			4.9			4.6		
12.0	4.4	3.6	3.1	5.0	3.9		5.0	4.0		4.8			4.5		
14.0	4.0	3.4	2.9	4.7	3.7	3.1	4.8	3.8	3.1	4.6	3.8		4.3		
16.0	3.6	3.2	2.8	4.3	3.5	3.0	4.6	3.6	3.0	4.4	3.6	3.0	4.2	3.5	
18.0	3.3	3.0	2.7	4.0	3.3	2.9	4.3	3.4	2.9	4.3	3.4	2.9	4.1	3.4	2.8
20.0	3.1	2.8	2.6	3.7	3.2	2.8	4.0	3.3	2.8	4.1	3.3	2.8	4.0	3.2	2.7
22.0	2.9	2.7		3.5	3.0	2.7	3.8	3.1	2.7	3.9	3.2	2.7	3.8	3.1	2.6
24.0				3.3	2.9	2.6	3.6	3.0	2.7	3.7	3.1	2.7	3.7	3.0	2.5
26.0				3.1	2.8	2.6	3.4	2.9	2.6	3.5	2.9	2.6	3.5	2.9	2.5
28.0				2.9	2.7	2.5	3.2	2.8	2.5	3.3	2.9	2.5	3.4	2.8	2.5
30.0				2.8	2.6		3.1	2.7	2.5	3.2	2.8	2.5	3.2	2.7	2.5
32.0							2.9	2.7	2.4	3.1	2.7	2.4	3.1	2.7	2.4
34.0							2.8	2.6		2.9	2.6	2.4	3.0	2.6	2.4
36.0							2.7	2.6		2.8	2.6	2.4	2.9	2.6	2.3
38.0							2.6	2.5		2.7	2.5	2.3	2.8	2.5	2.3
40.0										2.6	2.5		2.7	2.5	2.3
42.0										2.5	2.5		2.6	2.4	2.2
44.0													2.5	2.4	2.2
46.0													2.4	2.4	
48.0													2.4	2.4	
50.0													2.4	2.4	
Number of falls	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1
I		0 %			100 %			100 %			100 %			100 %	
II		0 %			0 %			33 %			66 %			100 %	
III		0 %			0 %			33 %			66 %			100 %	

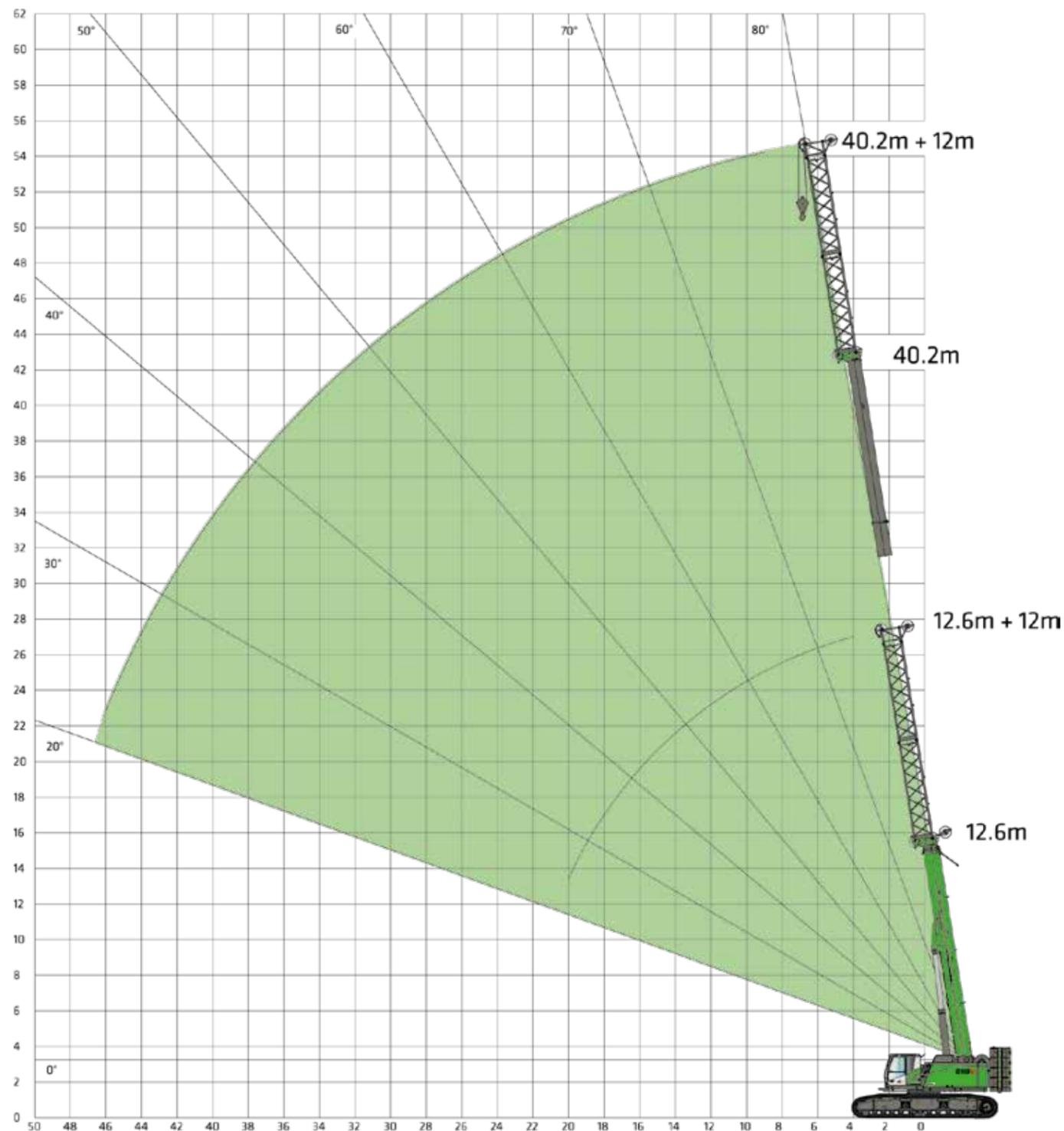
Tab. no.: 6113R-75/2790/33.0-0.0/09.14 SA8 0.3°



Auxiliary crane for drill rig, Germany

# CRANE EQUIPMENT

 MAIN BOOM WITH LATTICE EXTENSION  
HAV 12 m



# CRANE EQUIPMENT

 FLY JIB  
HAV 12 m

 BALLAST  
33.0 t

 EN

 360°

 MAX. INCLINATION  
0.3°

 TRACK WIDTH  
5.4 m

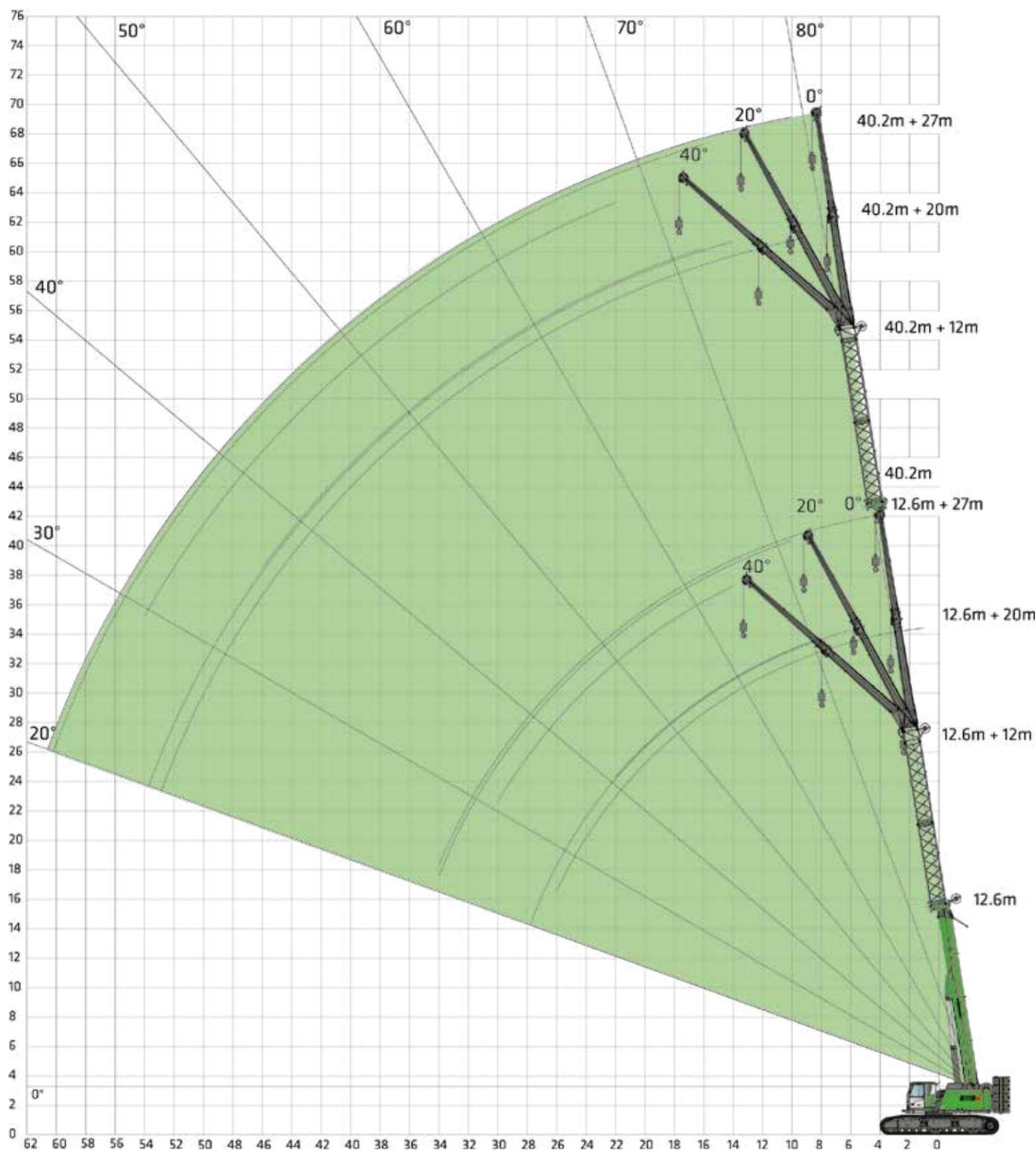
RADIUS [m]	BOOM LENGTH [m]				
	24.6	34.0	40.0	46.2	52.2
12.0	12.0	12.0	12.0	12.0	12.0
4.0	18.7	19.7			
5.0	16.9	18.3			
6.0	15.3	17.0	16.3		
7.0	14.0	15.7	15.4	13.7	
8.0	12.9	14.8	14.6	13.2	
9.0	12.0	13.9	13.7	12.7	11.1
10.0	11.1	13.0	13.1	12.2	10.8
12.0	9.8	11.7	11.9	11.3	10.2
14.0	8.7	10.6	11.0	10.5	9.6
16.0	7.8	9.6	10.1	9.8	9.1
18.0	7.1	8.9	9.4	9.3	8.5
20.0	6.5	8.2	8.7	8.7	7.9
22.0		7.6	8.1	8.2	7.3
24.0		7.1	7.6	7.8	6.7
26.0		6.6	7.2	7.4	6.2
28.0		6.3	6.8	6.8	5.7
30.0			6.5	6.3	5.3
32.0			6.2	5.8	4.9
34.0			5.9	5.4	4.5
36.0				5.0	4.2
38.0				4.7	3.9
40.0				4.2	3.6
42.0					3.3
44.0					3.0
46.0					2.8
Number of falls	2	2	2	2	2
I	0 %	100 %	100 %	100 %	100 %
II	0 %	0 %	33 %	66 %	100 %
III	0 %	0 %	33 %	66 %	100 %
Load capacity reduction [kg]	520	300	240	200	170

Tab. no.: 6113R-75/2790/33.0+0.0/09.14 HAV12

The load ratings must be reduced if there's a 15 m fly jib folded to the side of the main boom.

# CRANE EQUIPMENT

 **FLY JIB SA 15 m**  
WITH MAIN BOOM AND LATTICE EXTENSION HAV 12 m



# CRANE EQUIPMENT

 **FLY JIB**  
HAV 12 m + SA 15 m

 **BALLAST**  
33.0 t

 **EN**

 **360°**

 **MAX. INCLINATION**  
0.3°

 **TRACK WIDTH**  
5.4 m

RADIUS [m]	BOOM LENGTH [m]														
	12.6			22.0			28.0			34.2			40.2		
	12 + 15.0			12 + 15.0			12 + 15.0			12 + 15.0			12 + 15.0		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
4.0	5.0														
5.0	5.0														
6.0	5.0			4.5											
7.0	5.0			4.5			4.3								
8.0	5.0			4.5			4.3								
9.0	5.0			4.5			4.3			3.8					
10.0	4.9	3.2		4.5			4.3			3.8			2.5		
12.0	4.7	3.2		4.5	3.1		4.3			3.8			2.5		
14.0	4.5	3.2	2.6	4.5	3.1		4.2	3.0		3.8	2.9		2.5		
16.0	4.3	3.2	2.6	4.3	3.1	2.5	4.1	3.0		3.8	2.9		2.5	2.5	
18.0	4.0	3.2	2.6	4.2	3.1	2.5	4.0	3.0	2.5	3.7	2.9		2.5	2.5	
20.0	3.6	3.0	2.6	4.0	3.1	2.5	3.9	3.0	2.5	3.6	2.9	2.6	2.5	2.5	
22.0	3.3	2.9	2.6	3.8	3.1	2.5	3.7	3.0	2.5	3.5	2.9	2.5	2.5	2.5	2.4
24.0	3.1	2.8	2.5	3.6	3.0	2.5	3.6	3.0	2.5	3.4	2.9	2.4	2.5	2.5	2.3
26.0	2.8	2.6	2.4	3.3	2.8	2.5	3.4	2.9	2.5	3.3	2.8	2.4	2.5	2.5	2.3
28.0	2.6	2.4	2.4	3.1	2.7	2.4	3.2	2.8	2.4	3.1	2.8	2.4	2.5	2.5	2.3
30.0	2.4	2.3	2.3	2.9	2.6	2.4	3.0	2.7	2.3	3.0	2.7	2.3	2.5	2.5	2.2
32.0	2.2	2.1		2.7	2.5	2.3	2.8	2.6	2.3	2.9	2.6	2.3	2.5	2.5	2.2
34.0	2.1	2.0		2.6	2.3	2.3	2.6	2.5	2.3	2.7	2.5	2.2	2.5	2.5	2.1
36.0				2.4	2.2	2.2	2.5	2.4	2.3	2.6	2.4	2.2	2.5	2.4	2.1
38.0				2.3	2.1	2.1	2.4	2.2	2.2	2.5	2.3	2.1	2.5	2.3	2.1
40.0				2.1	2.0		2.2	2.1	2.1	2.3	2.2	2.1	2.4	2.3	2.1
42.0				2.0	1.9		2.1	2.0	2.0	2.2	2.1	2.1	2.3	2.2	2.0
44.0					1.8		2.0	2.0		2.1	2.0	2.0	2.2	2.1	2.0
46.0							1.9	1.9		2.0	2.0	2.0	2.1	2.0	2.0
48.0							1.8	1.8		1.9	1.9	1.9	2.0	2.0	2.0
50.0								1.7		1.9	1.8		1.8	1.9	1.9
52.0										1.8	1.8		1.7	1.8	1.8
54.0										1.7	1.7		1.5	1.6	1.7
56.0										1.7			1.4	1.5	
58.0													1.2	1.3	
60.0													1.1	1.2	
62.0													0.9	1.0	
<b>Number of falls</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>I</b>		0 %			100 %			100 %			100 %			100 %	
<b>II</b>		0 %			0 %			33 %			66 %			100 %	
<b>III</b>		0 %			0 %			33 %			66 %			100 %	

Tab. no.: 6113R-75/2790/33.0+0.0/0914 HAV12 + SA15

# LOAD CAPACITY SCHEDULES

CRANE EQUIPMENT

	MAIN BOOM HA			AUXILIARY JIB HA-S			MAIN BOOM EXTENSION HAV 12 m			HEAVY-DUTY JIB SLS		
Undercarriage track width	5.4 m	4.2 m	3.05 m	5.4 m	4.2 m	3.05 m	5.4 m	4.2 m	3.05 m	5.4 m	4.2 m	3.05 m
Ballast [t]												
33 t	360°	360°	-	360°	360°	-	360°	-	-	360°	360°	-
19.2 t	360°	360°	360°	360°	360°	360°	-	-	-	360°	360°	-
0 t	360°	360°	360°	360°	360°	360°	-	-	-	-	-	-

	FLY JIB SA 8 m			FLY JIB SA 15 m			MAIN BOOM EXTENSION HAV 12 m + FLY JIB SA 8 m			MAIN BOOM EXTENSION HAV 12 m + FLY JIB SA 15 m		
Undercarriage track width	5.4 m	4.2 m	3.05 m	5.4 m	4.2 m	3.05 m	5.4 m	4.2 m	3.05 m	5.4 m	4.2 m	3.05 m
Ballast [t]												
33 t	360°	-	-	360°	-	-	360°	-	-	360°	-	-
19.2 t	-	-	-	-	-	-	-	-	-	-	-	-
0 t	-	-	-	-	-	-	-	-	-	-	-	-

# OPTIONAL EQUIPMENT



**AUXILIARY JIB**  
12.5 t load capacity, 1-strand



**HEAVY-DUTY JIB**  
36 t load capacity, 3-strand



**MAIN BOOM EXTENSION**  
HAV 6 m OR 12 m



**FLY JIB 8 m, FLY JIB EXTENSION TO 15 m**  
8 m with 7 m extension, 6 t load capacity, max. 1-strand offset angle 0°/20°/40

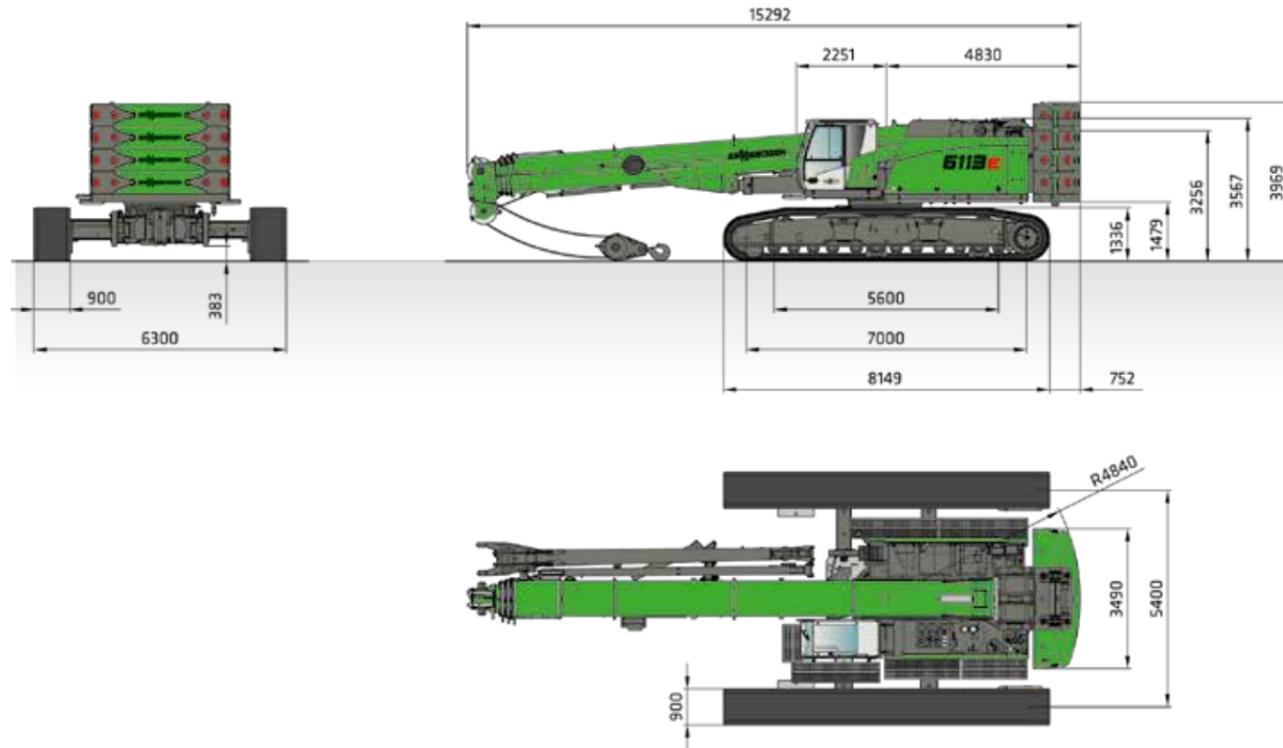
**Note:**

1. The specified load ratings given apply when the machine is on firm and level (±0.3°) ground.
2. The load ratings are given in tons and apply 360 degrees.
3. The load capacities correspond to EN 13000.
4. The weight of the load handling equipment (hooks, cable) should be deducted from the load ratings.
5. 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.
6. Permissible cable pull per strand in crane mode for cable diameter 26 mm - 12,500 kg.
7. The load ratings given are for reference only. Please refer to the tables in the operating instructions for the relevant applicable load ratings.
8. Load ratings for tilts of 2° and 4° are also available on request.

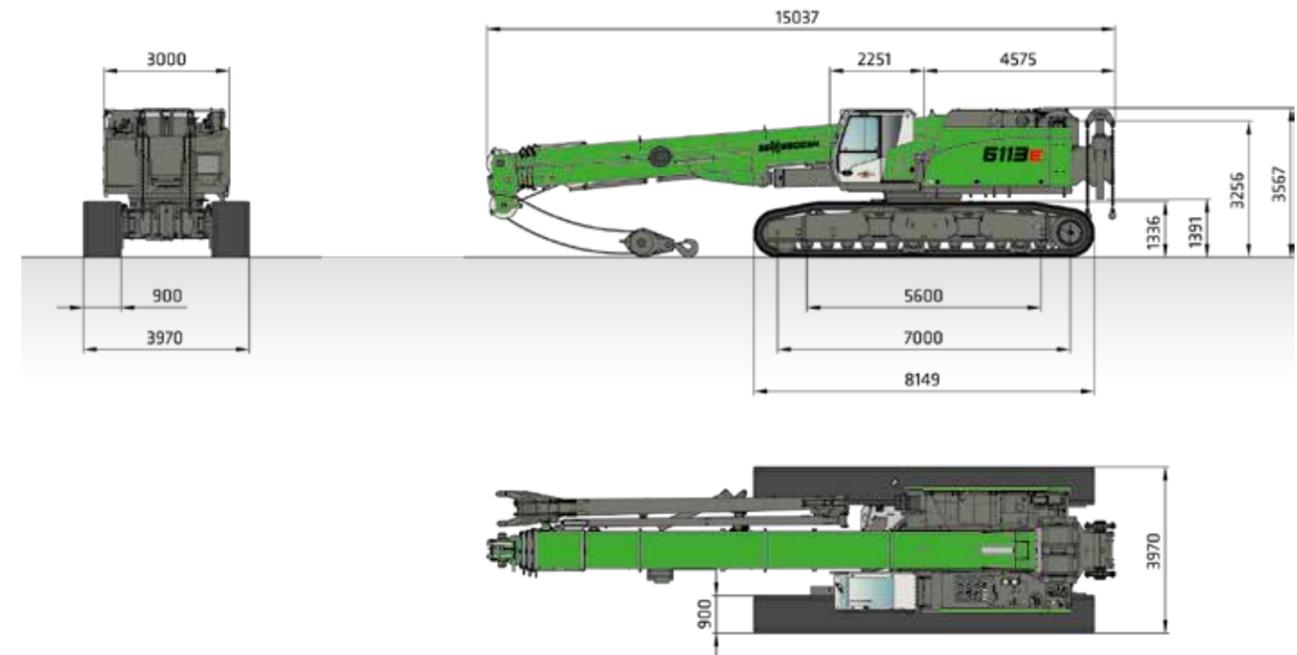
CRANE EQUIPMENT

# TRANSPORT DIMENSIONS

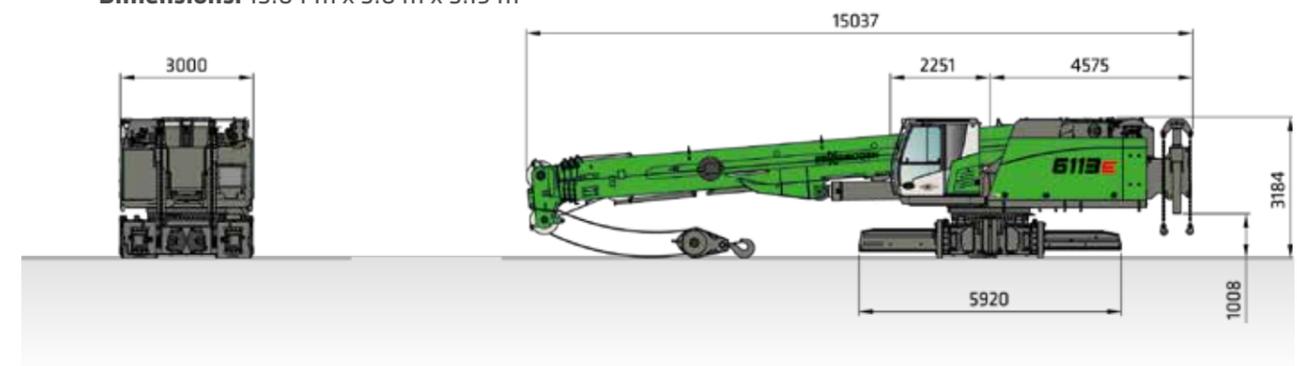
**i** **Weight:** approx. 113.7 t (2 winches, 15 m fly boom, 80 t hook, 33 t counterweight, 900 mm triple grouser shoes)  
**Dimensions:** 15.30 m x 3.95 m x 4.0 m



**i** **Weight:** approx. 79.7 t (2 winches, 15 m fly boom, 80 t hook, without counterweight, without platform, 900 mm triple grouser shoes)  
**Dimensions:** 15.04 m x 3.97 m x 3.57 m



**i** **Weight:** approx. 47.7 t (2 winches, 15 m fly boom, 80 t hook, without counterweight, without platform, without crawler tracks, 900 mm triple grouser shoes)  
**Dimensions:** 15.04 m x 3.0 m x 3.19 m



Dimensions in [mm]

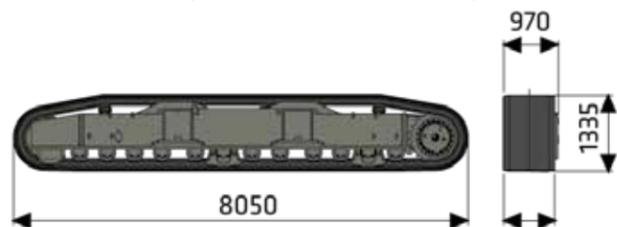
DIMENSIONS

DIMENSIONS

# TRANSPORT DIMENSIONS

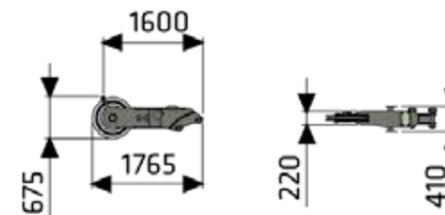
**CRAWLER (TRIPLE GROUSER SHOES) 2 X**  
**CRAWLER (FLAT TRACK SHOES) 2 X**

**Weight:** 15700 kg each  
 17100 kg each



**AUXILIARY JIB**

**Weight:** 160 kg



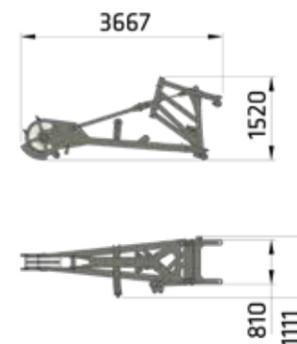
**BALLAST BASE PLATE**

**Weight:** 5400 kg



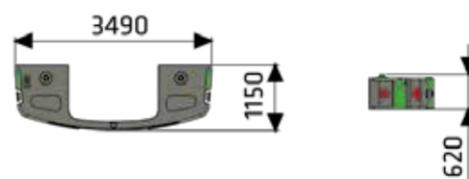
**HEAVY-DUTY JIB**

**Weight:** approx. 700 kg



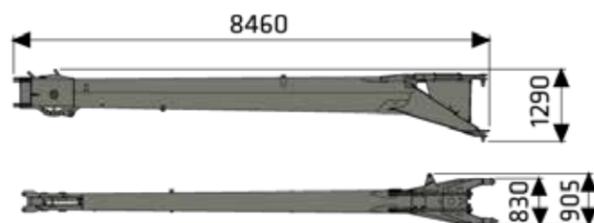
**BALLAST PLATE 4 X**

**Weight:** 6980 kg each



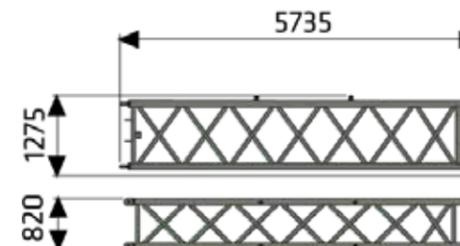
**FLY JIB 8 m**

**Weight:** 900 kg each



**BOOM SECTION**

**Weight:** 570 kg



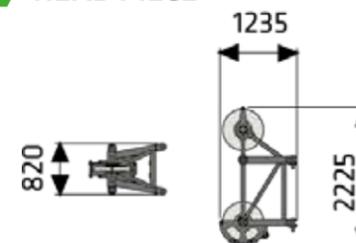
**FLY JIB EXTENSION 7 m**

**Weight:** 300 kg



**HEAD PIECE**

**Weight:** 390 kg



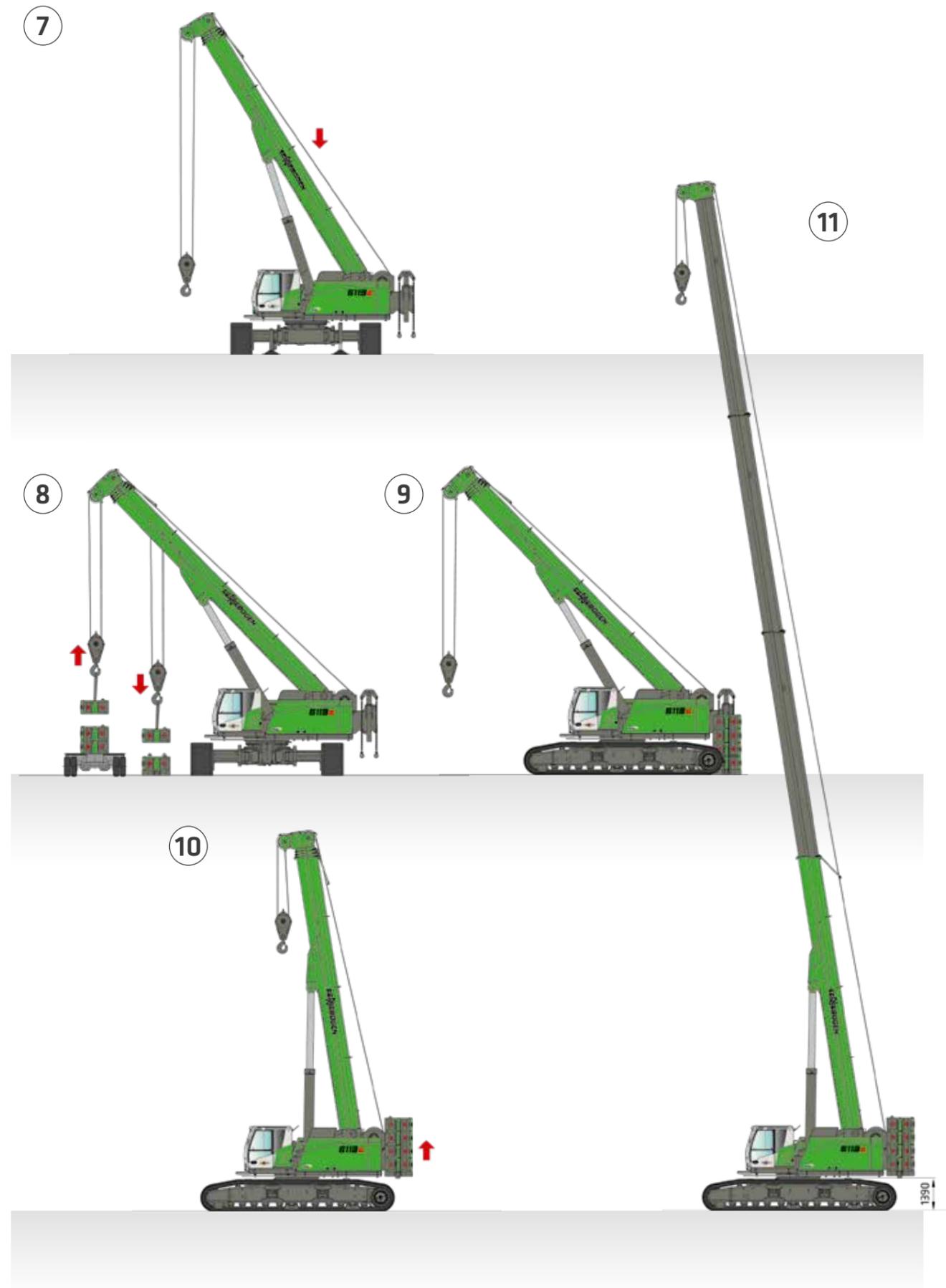
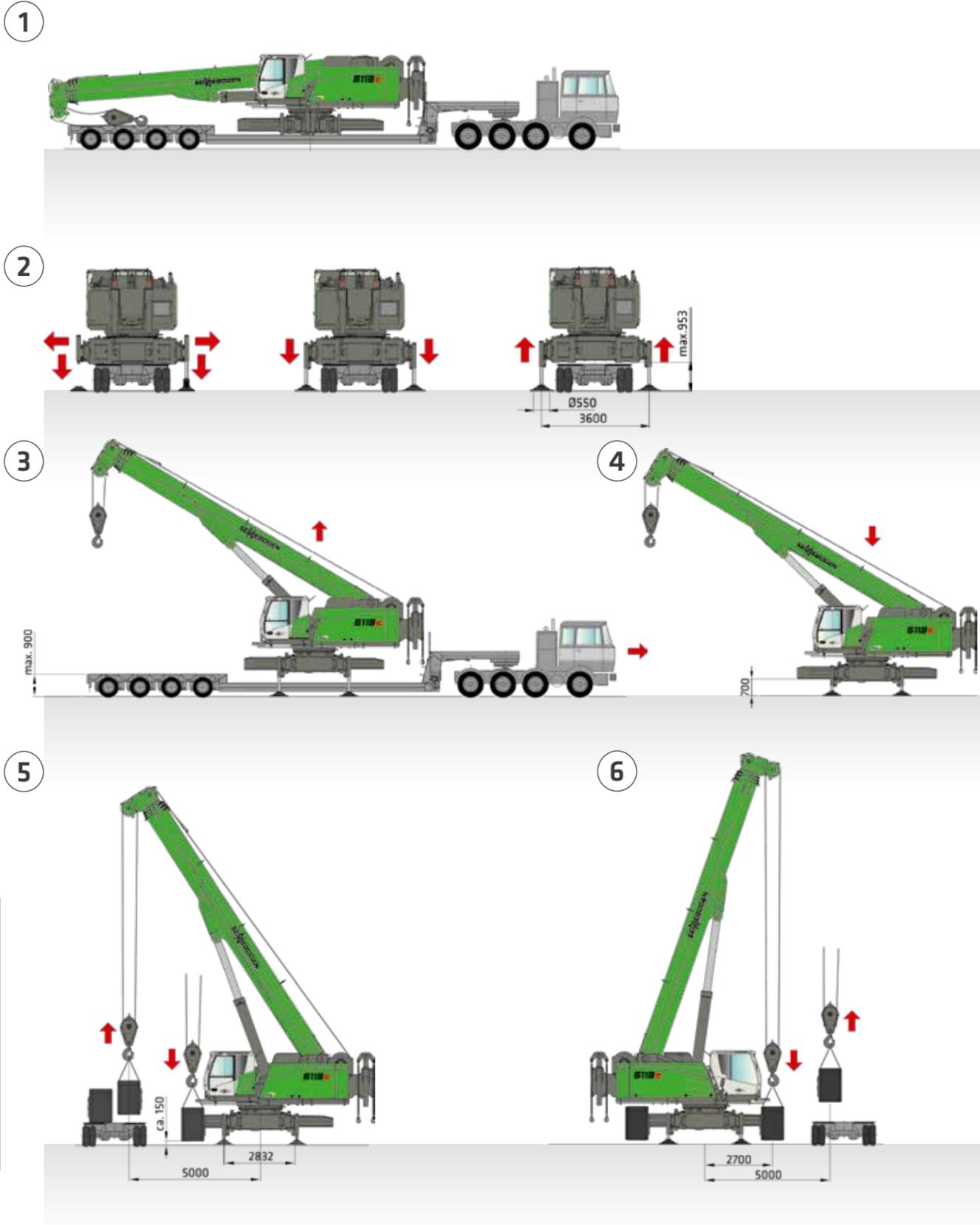
Dimensions in [mm]

Dimensions in [mm]

TRANSPORT DIMENSIONS

TRANSPORT DIMENSIONS

# SELF-ASSEMBLY SYSTEM



SELF-ASSEMBLY SYSTEM

SELF-ASSEMBLY SYSTEM



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4-5.5 t	130-300 t	17-420 t	13.5-300 t	50-300 t	16-130 t	300 t

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# 6113E | Crawler

Order no. 187001  
6113R-E-102310

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**SENNEBOGEN**  
**Maschinenfabrik GmbH**  
Hebbelstraße 30  
94315 Straubing, Germany

 [www.sennebogen.com](http://www.sennebogen.com)

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