



6220E | Crawler

SENEBOGEN

PRELIMINARY

6220E

220 t
HEAVY DUTY
CYCLE
CRANE



576 kW
708 kW



220 t



74.7 m



MAXCAB

Stage V

6220E

The allrounder.

The 220 t heavy duty cycle crane combines maximum performance with uncomplicated handling - the ideal combination.

As a powerful addition to the upper load capacity segment of the SENNEBOGEN duty cycle crawler crane range, the 6220 E is characterised by its outstanding stability, high load capacity and large reach height - combined with maximum flexibility and manoeuvrability. Its areas of application are particularly versatile: offshore and in dredging it impresses with its stability, on land it excels in civil engineering and lifting work. Thanks to its well thought-out machine concept, it adapts flexibly to any challenge.

On site and ready to use fast

Can be assembled without an auxiliary crane thanks to the self-assembly system. The removable crawler tracks ensure a narrow transport width - alternatively, transport including ballast is also possible.

Maintenance & Service

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

More power

Increased rope capacity on the first layer provides more power and room for manoeuvre. Ideal for superlative applications.

Optimal adaptability

Two engines and different ballast variants offer the choice: flexibility for use in civil engineering, demolition or lifting work and more power offshore and in dredging.

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.

Seilbagger mit 220 t Traglast

EVERYTHING IN VIEW

tiltable up to
20°
as standard

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 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 2m
 - Radio with Bluetooth®



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.



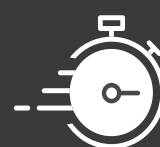
Cost-efficient

Once the crawler carriers and ballast have been removed, the transport width is only 3.5 m



Flexible

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



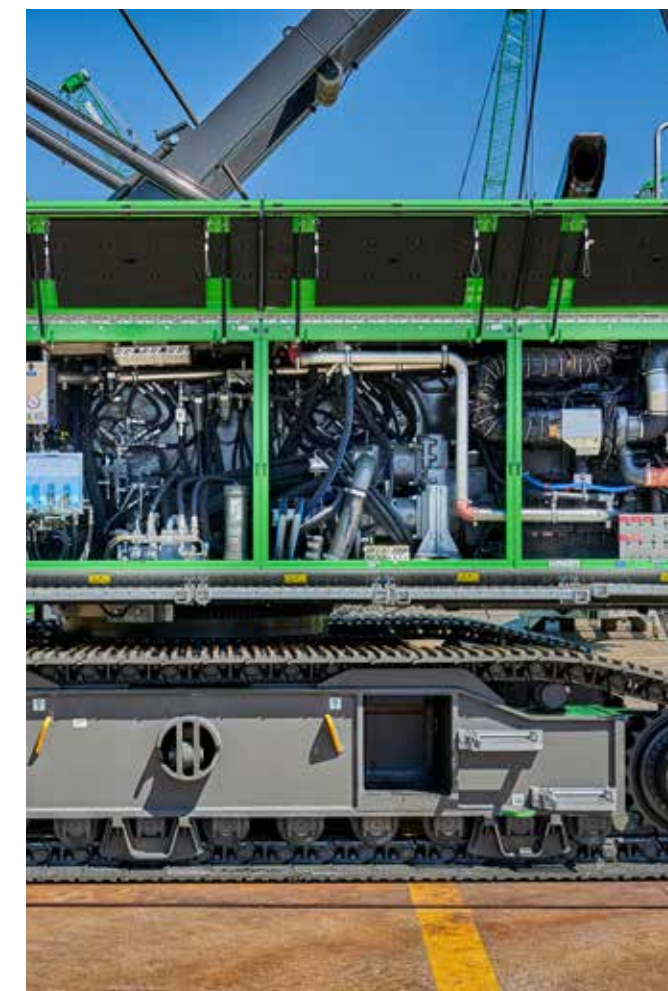
Quick

The machine is ready for use on site in a short time thanks to the Starlifter telescopic undercarriage's 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 arranged clearly 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 (TYP)	6220 Crawler
ENGINE	
TYPE	Stufe V: CAT C18 with 576 kW at 1800min ⁻¹ CAT C27 with 708 kW at 1800min ⁻¹ Stufe IIIa: CAT C18 with 570 kW at 1800min ⁻¹ in each case: Direct injection, turbocharged, intercooling, reduced emissions Idle/stop automatic
COOLING	water-cooled
AIR FILTER	Dry filter with integrated pre-separator, automatic dust discharge, main element and safety element, contamination indicator
FUEL TANK	1070 l
ELECTRICAL SYSTEM	24 V
BATTERIES	2 x 235 Ah

UPPERCARRIAGE	
DESIGN	Torsion-resistant box construction, precision-machined, bronze bushes for boom bearings. Service-friendly design, motor installed in longitudinal direction
ELECTRICAL SYSTEM	Central electrical distribution board, battery isolator switch
LIGHTING	LED headlights for optimum illumination of the work area
COOLING SYSTEM	3-circuit cooling system with high cooling capacity, electronically controlled fan drive for water, charge air and oil cooler
SAFETY	Camera monitoring of the rear area and to the right Folding upper carriage railings, walkways on the left and right of the upper carriage Ballast lowering device
OPTIONS	Low temperature package
	Pinion-tooth lubrication
	Automatic central clamping for equipment and internal slewing ring
	Paint finish close to sea climate for corrosion protection
	Custom paint finish
	Railings for walkways on the left and right of the uppercarriage

TECHNICAL DATA, EQUIPMENT

HYDRAULIC SYSTEM / HYDRAULICS	
Multi-circuit hydraulic system for optimum functionality and performance, all movements can be carried out simultaneously. The hydraulic pumps are variable displacement piston pumps with individual control and energy-saving demand flow control. The pumps only demand as much oil as is actually consumed. pressure cut-off, limit load control	
DELIVERY RATE	up to 330 bar
FILTRATION	High-performance filtration with long-term change interval, clogging indicator
HYDRAULIC TANK	1200 l (1000 l to centre of sight glass)
CONTROL SYSTEM	Proportional, sensitive, hydraulic control of the movements, 2 servo joysticks for the work functions, additional functions via switches and foot pedals - ergonomically and clearly arranged
SAFETY	Hydraulic circuits secured with safety valves
OPTIONS	Organic oil filling
	SENNEBOGEN HydroClean Feinstfilter-system (3 µm) mit Wasserabscheidung
	Hydraulic tank preheating
	Potentiometer for pipework machine and other attachments
	Auxiliary hydraulics with 1 x 440 l/min

SLEWING DRIVE	
GEARBOX	2 x compact planetary gearboxes with bent-axis hydraulic motor, integrated brake valves, positioning slewing gear brake
SLEW BRAKE	Spring-loaded multi-disk brake
SLEWING RING	Large-scale, externally geared 3-row slewing ring
SLEWING SPEED	0-3,4 min ⁻¹ , 3 adjustable rotation speeds

CAB	
CAB TYPE	Maxcab, 20° tiltable, can be folded forwards for transport
CAB FEATURES	Comfort driver's cab with sliding door incl. sliding window, vibration-damped, tinted safety glass, opening windscreen, roof window, windscreen wiper washer system for front and roof windows, 12 V/24 V connections, 2 headlights integrated in the front of the roof. Air-sprung comfort driver's seat with seat heating and headrest. Sun blind for roof window.
OPTIONS	Cab adjustment X200, can be raised hydraulically and steplessly by 2 metres, can be swivelled out to the side, including step grid next to cab with railing (bolted).
	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
	Front protective grille
	Sun blind for windscreen
	Electric cool box

TECHNICAL DATA, EQUIPMENT

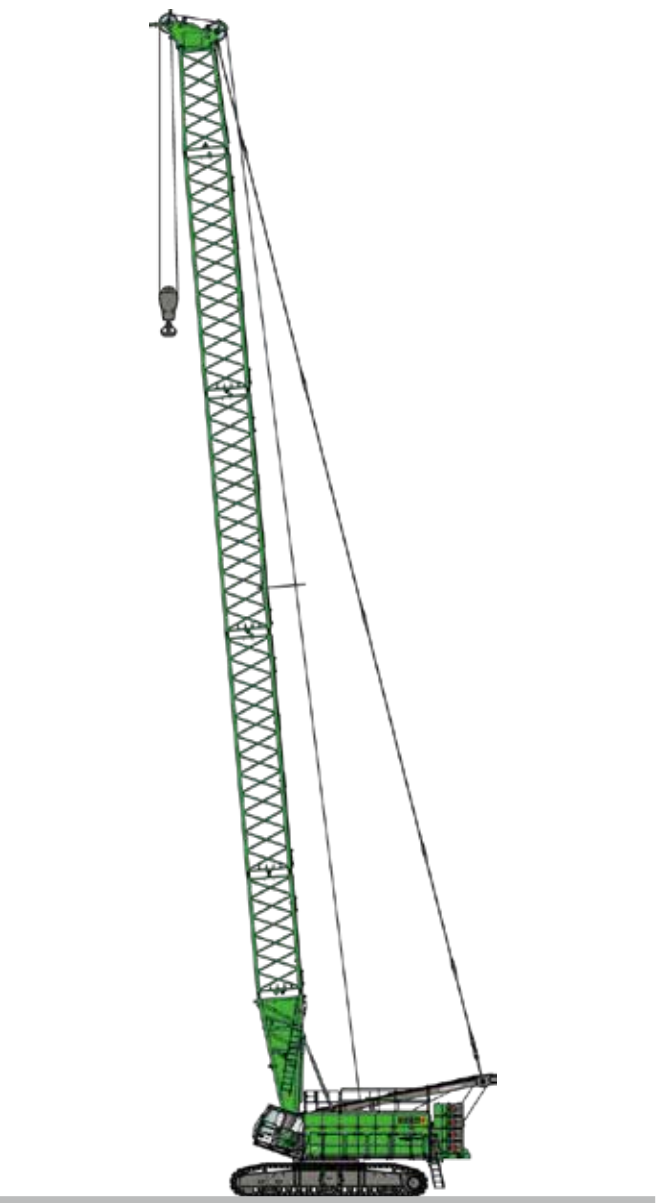
EQUIPMENT	
BOOM	Decades of experience, state-of-the-art computer simulation, maximum stability and service life Boom length up to 74.7 m
CRANE SAFETY	Boom equipped with a height safety device as standard Latest generation of load torque monitoring with event recorder, clear panel with display of all important data via SLC display, hoist limit switch, rope run-off protection, overpressure valves and pipe rupture protection
OPTIONS	Auxiliary jib: 48 t load capacity, 2-strand Customized paint finish Emergency unit Radio remote control Work area limitation, freely programmable Additional load charts accepted for 2° or 4° incline position SENtrack telemetry system Fairlead for dragline use

WINCH	
The winches are driven by high-pressure controlled adjustment hydraulic motors, therefore always optimum tractive force speed control. Hydraulic lowering brake valves for sensitive, wear-free braking. Powerful oil bath planetary gearboxes, low maintenance.	
Crane and free-fall brakes are spring-loaded, maintenance-free, low-wear multi-disc brakes running in an oil bath, oil-cooled. The individually, infinitely adjustable free-fall brake actively supports the driver, prevents slack rope and protects the machine.	
35 t free-fall winches: Pulling force 350 kN (1st layer), max. rope speed in 2nd layer 87 m/min Rope diameter 36 mm, rope capacity in 1st layer 61.4 m	
SAFETY BRAKE	Spring-loaded multi-disk brake
OPTIONS	Grapple stabilising winch 60 kN Additional winches for various applications Double winch 2 x 20ton (Ø 28mm rope) Rope tensioning pulley Depth measuring device

TECHNICAL DATA, EQUIPMENT

UNDERCARRIAGE	
DESIGN	Wide-gauge undercarriage with removable bogie with a track width of 6.400 mm and a bogie length of 9.280 mm
DRIVE	Powerful travel drive with axial piston hydraulic motor and directly mounted automatic brake valve and compact planetary gearbox on each side of the trolley, protected drive gears
PARKING BRAKE	Spring-loaded multi-disk brake
TRAVELING GEAR	Maintenance-free B9HD tractor undercarriage with hydraulic chain tensioning, 1000 mm flat floor plates
SPEED	0 - 1.8 km/h
OPTIONS	1200 mm grouser base plates Connection plate for pipework machine

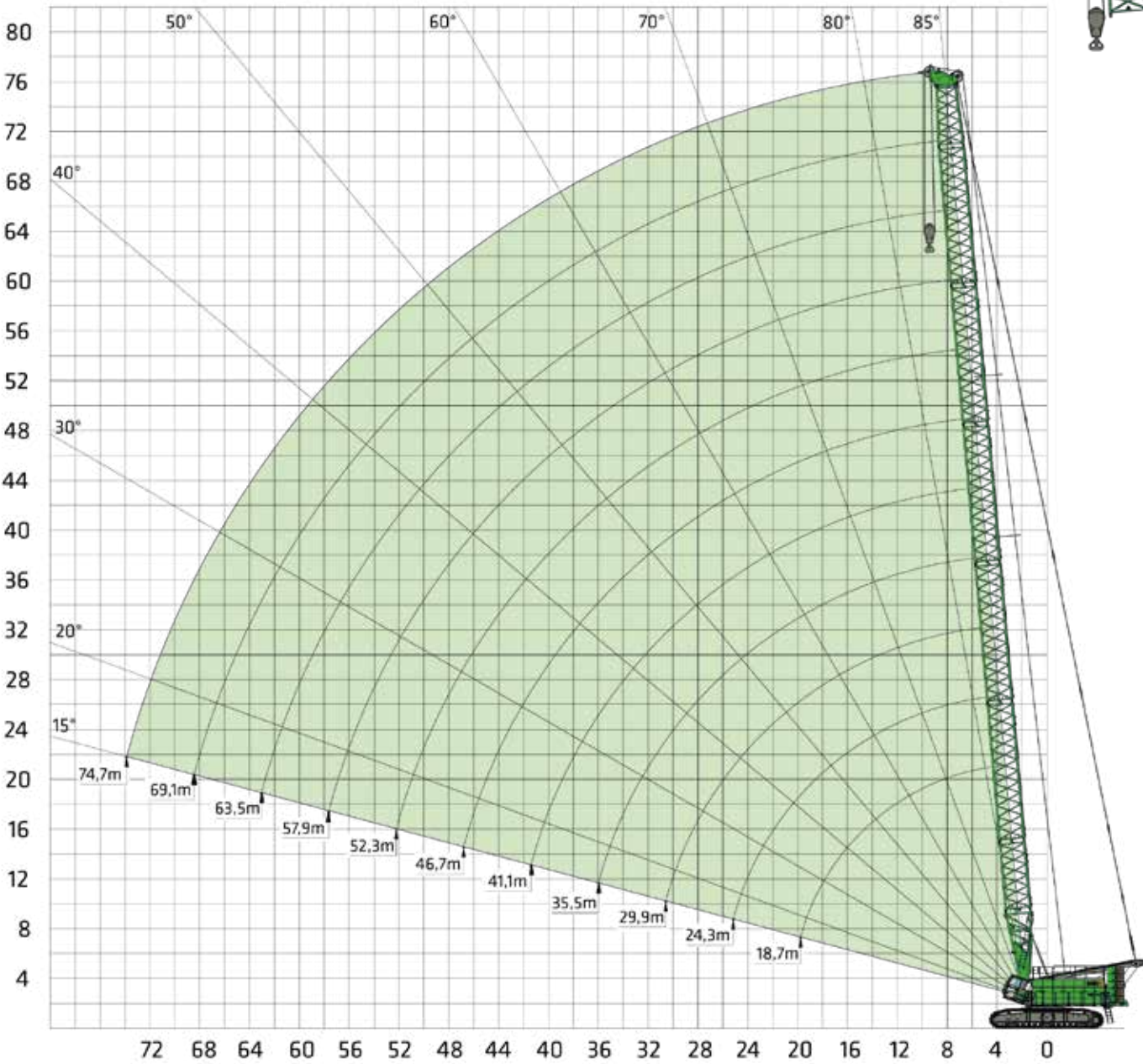
OPERATING WEIGHT	
MASS	approx. 191000 kg 6220R with 2x35 t free-fall winches, basic boom 18.7 m, counterweight 59 t, 1000 mm flat bottom plates, 170 t hook block, 375 m hoist rope
NOTE	The operating weight varies depending on the equipment and equipment. Subject to technical changes!



CRANE EQUIPMENT

 MAIN BOOM
SH

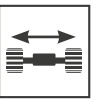
AUXILIARY JIB
MAX. LOAD CAPACITY 48 t



LOAD RATINGS

 MAIN BOOM
SH

 BALLAST
70 t

 TRACK WIDTH
6.4 m

EN 

 UNDERCARRIAGE BALLAST
36 t

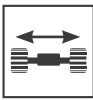
RADIUS [m]	BOOM LENGTH [m]										
	18,7	24,3	29,9	35,5	41,1	46,7	52,3	57,9	63,5	69,1	74,7
4,5	220,0										
5,0	220,0	220,0	220,0/5,5								
6,0	220,0	220,0	220,0	207,3	180,0/6,5						
7,0	197,0	196,4	188,2	175,5	164,1	151,0	136,3/7,4				
8,0	164,0	163,4	160,0	150,5	141,8	134,0	126,8	111,3	100,0/8,4		
9,0	140,3	139,8	138,4	131,4	124,4	118,2	112,4	107,0	99,5	83,6	74,8/9,4
10,0	122,5	122,1	120,8	116,4	110,7	105,5	100,6	96,1	91,7	82,8	74,0
11,0	108,6	108,2	107,0	104,3	99,4	95,0	90,9	87,0	83,1	79,8	72,7
12,0	97,4	97,1	96,0	94,3	90,1	86,3	82,7	79,4	75,9	72,9	69,8
13,0	87,2	86,9	86,3	85,9	82,3	78,9	75,7	72,8	69,7	67,1	64,2
14,0	78,4	78,1	77,5	77,1	75,6	72,6	69,7	67,1	64,3	61,9	59,3
15,0	71,1	70,9	70,2	69,8	69,3	67,1	64,5	62,1	59,5	57,4	55,0
16,0	65,0	64,7	64,1	63,6	63,1	62,3	59,9	57,7	55,3	53,4	51,1
17,0	59,8	59,5	58,8	58,4	57,8	57,4	55,8	53,8	51,6	49,8	47,7
18,0	55,3	55,0	54,3	53,8	53,3	52,9	52,2	50,3	48,2	46,6	44,6
19,0	51,3	51,1	50,4	49,9	49,3	48,9	48,4	47,2	45,2	43,6	41,7
20,0	47,9	47,6	46,9	46,4	45,8	45,4	44,9	44,4	42,4	41,0	39,2
22,0		41,8	41,1	40,6	40,0	39,5	39,0	38,6	37,7	36,4	34,7
24,0		37,2	36,4	35,9	35,2	34,8	34,2	33,8	33,1	32,5	30,9
26,0		34,3/25,5	32,6	32,0	31,4	30,9	30,3	29,9	29,2	28,8	27,7
28,0			29,4	28,8	28,1	27,6	27,0	26,6	25,9	25,5	24,7
30,0			26,8	26,1	25,4	24,9	24,3	23,8	23,1	22,7	22,0
32,0			25,7/30,9	23,8	23,0	22,5	21,9	21,4	20,7	20,3	19,6
34,0				21,8	21,0	20,4	19,8	19,4	18,6	18,2	17,5
36,0				20,2	19,3	18,7	18,0	17,5	16,8	16,4	15,6
38,0				19,9/36,3	17,7	17,1	16,4	15,9	15,2	14,7	14,0
40,0					16,4	15,7	15,0	14,5	13,7	13,3	12,6
42,0					15,4/41,7	14,5	13,8	13,2	12,4	12,0	11,3
44,0						13,4	12,6	12,1	11,3	10,9	10,1
46,0						12,5	11,6	11,1	10,3	9,8	9,0
48,0						12,0/47,1	10,8	10,1	9,3	8,9	8,1
50,0							10,0	9,3	8,5	8,0	7,2
52,0							9,3	8,6	7,7	7,2	6,4
54,0							9,1/52,5	7,9	7,0	6,5	5,7
56,0								7,3	6,4	5,8	5,0
58,0								6,8	5,8	5,2	4,4
60,0									5,3	4,7	3,8
62,0									4,8	4,1	3,3
64,0									4,5/63,3	3,7	2,8
66,0										3,3	2,4
68,0										2,9	2,0
70,0										2,7/68,7	
Number of falls	10	10	10	9	8	7	6	5	5	4	4

Tab.Nr. 6220R-78/3300/70.0+36.0/11.21 SH

LOAD RATINGS

 MAIN BOOM
SH

 BALLAST
59 t

 TRACK WIDTH
6,4 m

 EN

 360°

 UNDERCARRIAGE BALLAST
0 t

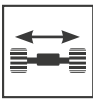
RADIUS [m]	BOOM LENGTH [m]									
	18,7	24,3	29,9	35,5	41,1	46,7	52,3	57,9	63,5	69,1
4,5	220,0									
5,0	220,0	220,0	207,0/5,5							
6,0	220,0	202,5	185,2	170,5	146,2/6,5					
7,0	178,5	164,9	153,0	142,6	133,2	124,8	111,2/7,4			
8,0	148,7	138,7	129,8	122,0	114,8	108,4	102,4	96,7	88,3/8,4	
9,0	123,4	119,5	112,5	106,3	100,6	95,4	90,5	85,9	81,7	77,5
10,0	104,0	103,8	99,1	94,0	89,2	84,9	80,9	76,9	73,4	69,8
11,0	89,6	89,4	88,3	84,0	80,0	76,3	72,8	69,4	66,3	63,2
12,0	78,6	78,3	77,9	75,8	72,3	69,2	66,1	63,1	60,4	57,6
13,0	69,8	69,5	69,1	68,7	65,9	63,1	60,4	57,6	55,3	52,7
14,0	62,6	62,4	61,9	61,5	60,4	57,9	55,5	53,0	50,8	48,5
15,0	56,7	56,5	55,9	55,6	55,1	53,4	51,2	48,9	46,9	44,8
16,0	51,7	51,5	50,9	50,5	50,0	49,4	47,4	45,2	43,4	41,4
17,0	47,5	47,2	46,7	46,2	45,7	45,3	44,0	42,0	40,4	38,5
18,0	43,8	43,5	43,0	42,5	42,0	41,6	41,0	39,2	37,6	35,8
19,0	40,6	40,3	39,7	39,3	38,8	38,4	37,9	36,6	35,1	33,4
20,0	37,8	37,5	36,9	36,5	35,9	35,5	35,0	34,3	32,9	31,3
22,0		32,8	32,2	31,7	31,1	30,7	30,2	29,6	28,9	27,5
24,0		29,0	28,4	27,9	27,3	26,8	26,3	25,7	25,3	24,3
26,0		26,7/25,5	25,2	24,7	24,1	23,6	23,1	22,5	22,1	21,4
28,0			22,7	22,1	21,5	21,0	20,5	19,8	19,4	18,7
30,0			20,5	19,9	19,2	18,7	18,2	17,5	17,1	16,4
32,0			19,7/30,9	18,0	17,3	16,8	16,2	15,6	15,1	14,4
34,0				16,4	15,7	15,1	14,5	13,9	13,4	12,7
36,0				15,1	14,2	13,7	13,1	12,4	11,9	11,2
38,0				14,9/36,3	13,0	12,4	11,8	11,1	10,6	9,9
40,0					11,9	11,3	10,6	9,9	9,4	8,7
42,0					11,1/41,7	10,3	9,6	8,9	8,3	7,7
44,0						9,4	8,7	8,0	7,4	6,7
46,0						8,6	7,8	7,1	6,5	5,9
48,0						8,2/47,1	7,1	6,4	5,8	5,1
50,0							6,5	5,7	5,1	4,4
52,0							5,9	5,1	4,4	3,7
54,0							5,8/52,5	4,5	3,9	3,2
56,0								4,1	3,3	2,6
58,0								3,7	2,9	2,1
60,0									2,4	
62,0									2,1	
64,0									1,8/63,3	
Number of falls	10	10	9	8	7	6	5	5	4	4

Tab.Nr. 6220R-78/3300/59.0+0.0/11.21 SH

LOAD RATINGS

 MAIN BOOM
SH

 BALLAST
48 t

 TRACK WIDTH
6.4 m

 EN

 360°

 UNDERCARRIAGE BALLAST
0 t

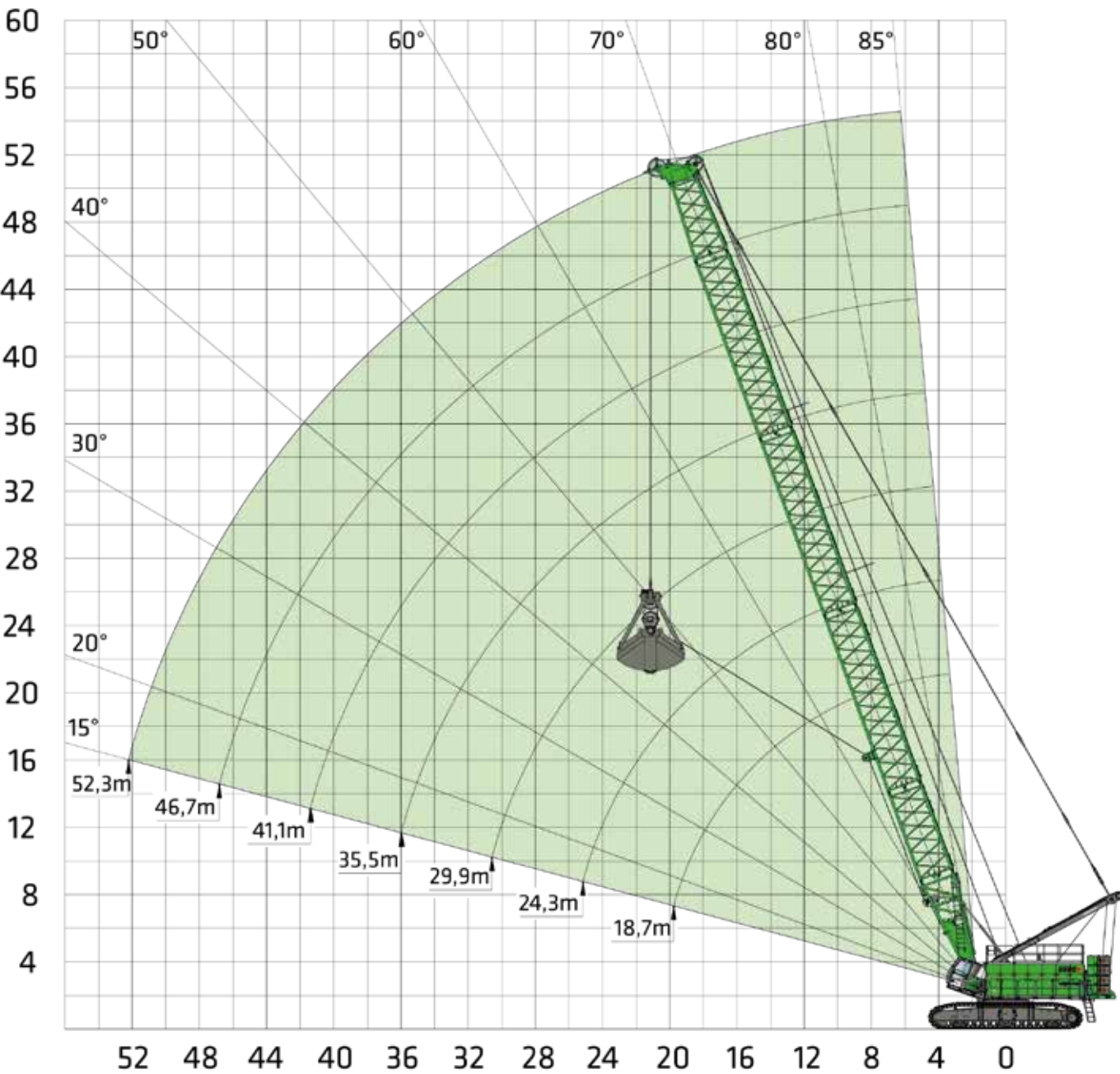
RADIUS [m]	BOOM LENGTH [m]									
	18,7	24,3	29,9	35,5	41,1	46,7	52,3	57,9	63,5	69,1
4,5	220,0									
5,0	220,0	220,0	186,5/5,5							
6,0	200,0	181,8	166,2	153,1	131,1/6,5					
7,0	160,2	147,9	137,1	127,9	119,4	111,8	99,5/7,4			
8,0	133,3	124,3	116,3	109,3	102,8	97,0	91,3	86,4	78,6/8,4	
9,0	110,1	107,0	100,6	95,2	90,0	85,2	80,6	76,6	72,5	69,0
10,0	92,7	92,5	88,5	84,0	79,7	75,8	71,9	68,5	65,0	62,1
11,0	79,8	79,6	78,8	75,1	71,4	68,1	64,7	61,7	58,7	56,1
12,0	69,9	69,6	69,2	67,7	64,5	61,6	58,6	56,0	53,3	51,0
13,0	62,0	61,7	61,3	61,1	58,7	56,1	53,4	51,2	48,7	46,7
14,0	55,6	55,3	54,8	54,6	53,7	51,4	48,9	46,9	44,6	42,8
15,0	50,2	50,0	49,5	49,2	48,8	47,3	45,1	43,2	41,1	39,5
16,0	45,8	45,5	45,0	44,7	44,3	43,8	41,6	40,0	38,0	36,5
17,0	41,9	41,7	41,1	40,9	40,4	40,0	38,6	37,1	35,2	33,8
18,0	38,6	38,4	37,8	37,5	37,0	36,7	35,9	34,5	32,7	31,4
19,0	35,8	35,5	34,9	34,6	34,1	33,8	33,1	32,1	30,5	29,2
20,0	33,2	33,0	32,4	32,1	31,6	31,2	30,5	30,0	28,4	27,3
22,0		28,7	28,1	27,8	27,3	26,9	26,2	25,8	24,8	23,8
24,0		25,4	24,7	24,4	23,8	23,4	22,7	22,3	21,5	20,9
26,0		23,3/25,5	21,9	21,5	20,9	20,5	19,8	19,4	18,7	18,4
28,0			19,6	19,2	18,6	18,1	17,4	17,0	16,3	16,0
30,0			17,7	17,2	16,5	16,1	15,3	14,9	14,2	13,9
32,0			16,9/30,9	15,5	14,8	14,3	13,6	13,2	12,4	12,1
34,0				14,0	13,3	12,8	12,1	11,6	10,9	10,6
36,0				12,8	12,0	11,5	10,7	10,3	9,6	9,2
38,0				12,6/36,3	10,9	10,4	9,6	9,1	8,4	8,0
40,0					9,9	9,3	8,5	8,1	7,3	6,9
42,0					9,2/41,7	8,4	7,6	7,1	6,4	6,0
44,0						7,6	6,8	6,3	5,5	5,1
46,0						6,9	6,1	5,5	4,8	4,4
48,0						6,6/47,1	5,4	4,9	4,1	3,6
50,0							4,8	4,2	3,5	3,0
52,0							4,3	3,7	2,9	2,4
54,0							4,2/52,5	3,2	2,4	
56,0								2,7		
58,0								2,4		
Number of falls	10	10	9	7	6	5	5	4	4	3

Tab.Nr. 6220R-78/3300/48.0+0.0/11.21 SH

- Note:**
- 1. the specified load capacities apply when the machine is level and stationary.
 - 2. load capacities are given in tonnes and apply to 360 degrees.
 - 3 The load capacities take into account the standards ISO 4305 Tab. 1+2 and the tilt angle method (tilt angle 4°)
 - 4 The weight of the load handling attachments (hooks, hangers) must be deducted from the load capacities.
 - 5 The load capacity values apply to an undercarriage track width of 6400 mm.
 - 6. load values must be limited or reduced to take account of unfavourable conditions such as soft or uneven ground, sloping gradients, wind, side loads, swin-
ging loads, jerking or sudden stopping of loads, inexperience of personnel, driving with a load.
 - 7. permissible rope pull per strand for crane operation is - 24,000 kg for rope diameter 36 mm
 - 8. load capacity values apply to the SH jib (jib assembly according to operating instructions)
 - 9. load capacity values apply to optimum boom assembly and sheave head with steel rope sheaves.

CRANE EQUIPMENT

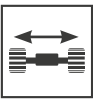
 MAIN BOOM WITH GRAB
SH



LOAD RATINGS

 MAIN BOOM WITH GRAB
SH

 BALLAST
59 t

 TRACK WIDTH
6.4 m

 EN

 360°

 UNDERCARRIAGE BALLAST
0 t

 MAX. INCLINATION
0.4°

RADIUS [m]	BOOM LENGTH [m]						
	18,7	24,3	29,9	35,5	41,1	46,7	52,3
5,0	53,0	53,0					
6,0	53,0	53,0	53,0	53,0			
7,0	53,0	53,0	53,0	53,0	53,0	53,0	
8,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
9,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
10,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
11,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
12,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
13,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
14,0	53,0	53,0	53,0	53,0	53,0	53,0	52,5
15,0	49,3	49,3	48,9	48,6	48,2	47,8	47,3
16,0	45,0	45,0	44,6	44,3	43,9	43,5	43,0
17,0	41,3	41,3	41,0	40,6	40,2	39,7	39,3
18,0	38,1	38,1	37,8	37,4	37,0	36,5	36,0
19,0	35,3	35,4	35,0	34,7	34,2	33,7	33,2
20,0	31,3	32,9	32,5	32,2	31,7	31,3	30,8
22,0		28,8	28,4	28,1	27,6	27,1	26,6
24,0		25,5	25,1	24,8	24,3	23,8	23,3
26,0			22,4	22,0	21,5	21,0	20,5
28,0			20,1	19,7	19,2	18,7	18,2
30,0			18,1	17,8	17,2	16,8	16,2
32,0				16,1	15,6	15,1	14,5
34,0				14,6	14,1	13,6	13,0
36,0				13,3	12,8	12,3	11,8
38,0					11,7	11,2	10,6
40,0					10,6	10,2	9,6
42,0					9,8	9,3	8,7
44,0						8,4	7,9
46,0						7,7	7,1
48,0							6,4
50,0							5,8
52,0							5,2

CRANE EQUIPMENT



MAIN BOOM WITH GRAB
SH



BALLAST
48 t



TRACK WIDTH
6.4 m



EN



360°



UNDERCARRIAGE BALLAST
0 t

RADIUS [m]	BOOM LENGTH [m]						
	13,1	17,3	21,5	25,7	30,2	34,5	39,0
5,0	53,0	53,0					
6,0	53,0	53,0	53,0	53,0			
7,0	53,0	53,0	53,0	53,0	53,0	53,0	
8,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
9,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
10,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
11,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
12,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
13,0	53,0	53,0	53,0	53,0	52,9	52,5	52,1
14,0	48,3	48,3	48,0	47,7	47,3	46,9	46,5
15,0	43,8	43,8	43,4	43,1	42,7	42,3	41,8
16,0	39,9	39,9	39,5	39,2	38,8	38,4	37,9
17,0	36,6	36,6	36,2	35,9	35,4	35,0	34,5
18,0	33,7	33,7	33,4	33,0	32,6	32,1	31,6
19,0	31,2	31,2	30,9	30,5	30,0	29,6	29,1
20,0	28,9	29,0	28,7	28,3	27,8	27,4	26,9
22,0		25,3	25,0	24,6	24,1	23,7	23,1
24,0		22,3	22,0	21,6	21,1	20,7	20,1
26,0			19,5	19,2	18,7	18,2	17,6
28,0			17,4	17,1	16,6	16,1	15,6
30,0			15,6	15,3	14,8	14,4	13,8
32,0				13,8	13,3	12,8	12,3
34,0				12,5	12,0	11,5	10,9
36,0				11,3	10,8	10,4	9,8
38,0					9,8	9,3	8,7
40,0					8,9	8,4	7,8
42,0					8,1	7,6	7,0
44,0						6,9	6,3
46,0						6,2	5,6
48,0							5,0
50,0							4,4
52,0							3,9

WINCH PULLING FORCE	[kN]	350
ROPE DIAMETER	[mm]	36
MINIMUM BREAKING FORCE	[kN]	1243
MAX. LOAD CAPACITY IN ONE-WINCH OPERATION	[t]	35,0
MAX. LOAD CAPACITY IN TWO-WINCH OPERATION(5)	[t]	53,0

Note:

1. The specified load capacities apply to a level and stable position of the machine.
2. load capacity values are given in tonnes and apply to 360 degrees.
3. the load capacity values apply to a support width/undercarriage track width of 6400 mm
4. the specified load capacities include the grab weight and do not exceed 66.7% of the tipping load
5. when operating with mechanical two-rope grabs and even load distribution on the closing and holding ropes, the load capacity is limited by the permissible rope pull or the maximum winch pulling force of a winch

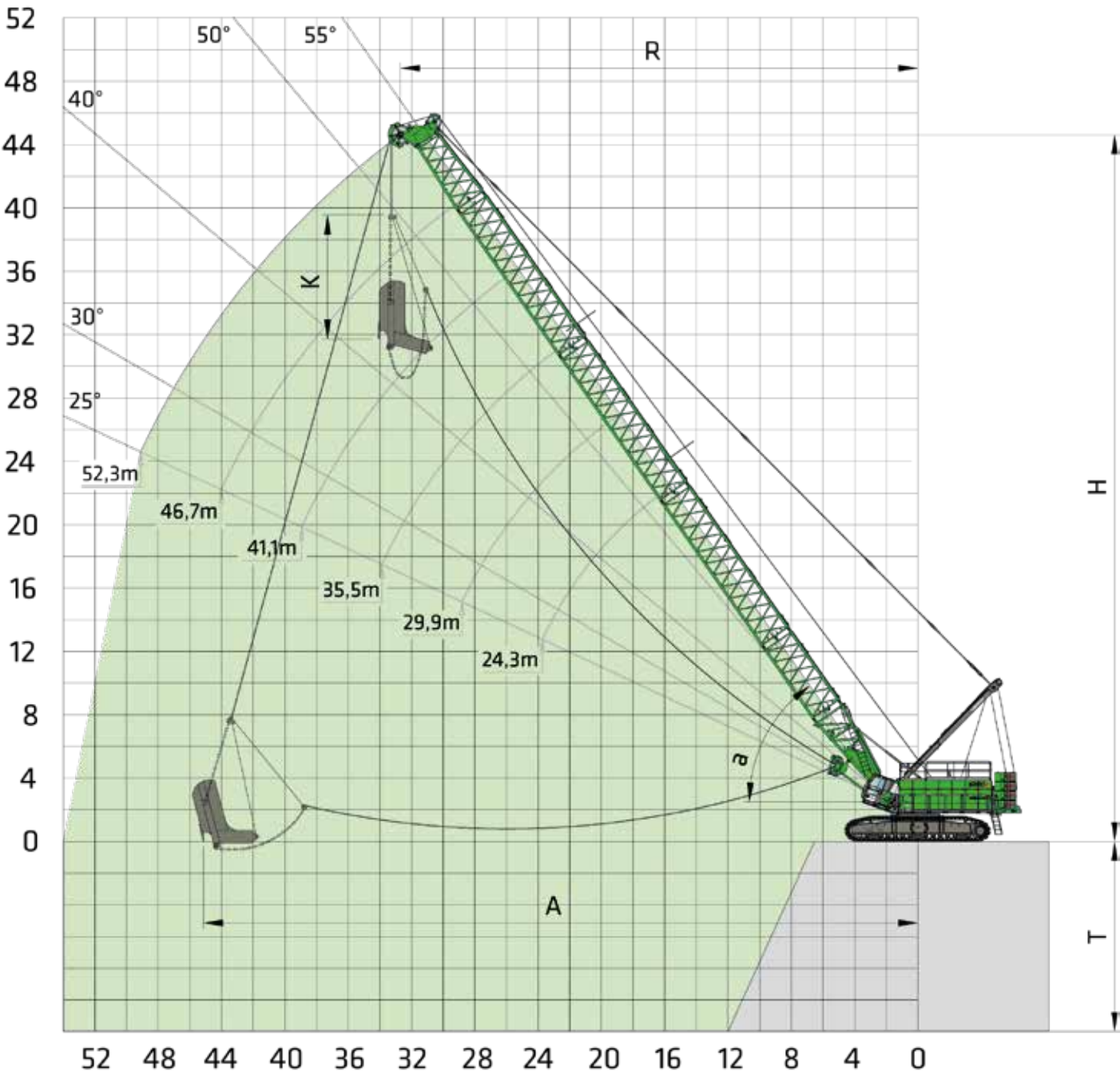


885 G Hybrid Set up,
Munich Bauma

CRANE EQUIPMENT

 MAIN BOOM WITH DRAGLINE BUCKET
SH

Digging diagramm:
R = Radius
A = Max. digging radius = approx. $R+1/3$ to $1/2 \times (H-K)$
T = digging depth = approx. 40-50% of R
H = roller head height
K = Length of the drag bucket



LOAD RATINGS

 MAIN BOOM WITH DRAGLINE BUCKET
SH

EN 

 BALLAST
59 t

 TRACK WIDTH
6.4 m

 UNDERCARRIAGE BALLAST
0 t

BOOM ANGLE ALPHA [°]	BOOM LENGTH [m]																	
	24,3			29,9			35,5			41,1			46,7			52,3		
	R	H		R	H		R	H		R	H		R	H		R	H	
	m	m	t	m	m	t	m	m	t	m	m	t	m	m	t	m	m	t
55	16,6	21,7	35,0	19,8	26,3	35,0	23,1	30,9	29,7	26,3	35,5	24,0	29,5	40,1	19,6	32,7	44,6	15,9
50	18,2	20,3	35,0	21,8	24,6	32,6	25,4	28,9	25,9	29,0	33,2	20,8	32,6	37,5	16,8	36,2	41,8	13,4
45	19,7	18,8	35,0	23,7	22,8	29,0	27,7	26,7	22,9	31,6	30,7	18,2	35,6	34,7	14,5	39,5	38,6	11,4
40	21,1	17,2	34,4	25,4	20,8	26,2	29,7	24,4	20,5	34,0	28,0	16,2	38,3	31,6	12,7	42,5	35,2	9,8
35	22,3	15,4	31,8	26,9	18,7	24,1	31,5	21,9	18,7	36,1	25,1	14,6	40,6	28,3	11,4	45,2	31,5	8,6
30	23,3	13,6	29,9	28,2	16,4	22,5	33,0	19,2	17,4	37,9	22,0	13,5	42,7	24,8	10,4	47,6	27,6	7,7
25	24,2	11,7	28,5	29,3	14,0	21,4	34,4	16,4	16,5	39,5	18,8	12,7	44,5	21,1	9,7	49,6	23,5	7,0

LOAD RATINGS



MAIN BOOM WITH
DRAGLINE BUCKET
SH



BALLAST
48 t



TRACK WIDTH
6.4 m



EN



360°



UNDERCARRIAGE BALLAST
0 t

BOOM ANGLE ALPHA [°]	BOOM LENGTH [m]																	
	24,3			29,9			35,5			41,1			46,7			52,3		
	R	H		R	H		R	H		R	H		R	H		R	H	
	m	m	t	m	m	t	m	m	t	m	m	t	m	m	t	m	m	t
55	16,6	21,7	35,0	19,8	26,3	35,0	23,1	30,9	29,7	26,3	35,5	24,0	29,5	40,1	19,6	32,7	44,6	15,9
50	18,2	20,3	35,0	21,8	24,6	32,6	25,4	28,9	25,9	29,0	33,2	20,8	32,6	37,5	16,8	36,2	41,8	13,4
45	19,7	18,8	35,0	23,7	22,8	29,0	27,7	26,7	22,9	31,6	30,7	18,2	35,6	34,7	14,5	39,5	38,6	11,4
40	21,1	17,2	34,4	25,4	20,8	26,2	29,7	24,4	20,5	34,0	28,0	16,2	38,3	31,6	12,7	42,5	35,2	9,8
35	22,3	15,4	31,8	26,9	18,7	24,1	31,5	21,9	18,7	36,1	25,1	14,6	40,6	28,3	11,4	45,2	31,5	8,6
30	23,3	13,6	29,9	28,2	16,4	22,5	33,0	19,2	17,4	37,9	22,0	13,5	42,7	24,8	10,4	47,6	27,6	7,7
25	24,2	11,7	28,5	29,3	14,0	21,4	34,4	16,4	16,5	39,5	18,8	12,7	44,5	21,1	9,7	49,6	23,5	7,0

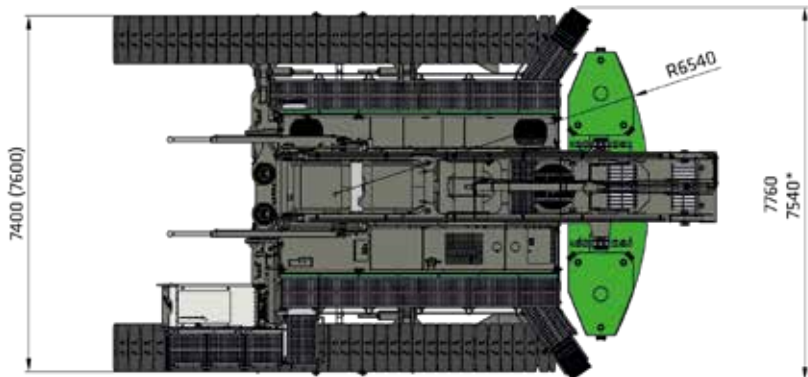
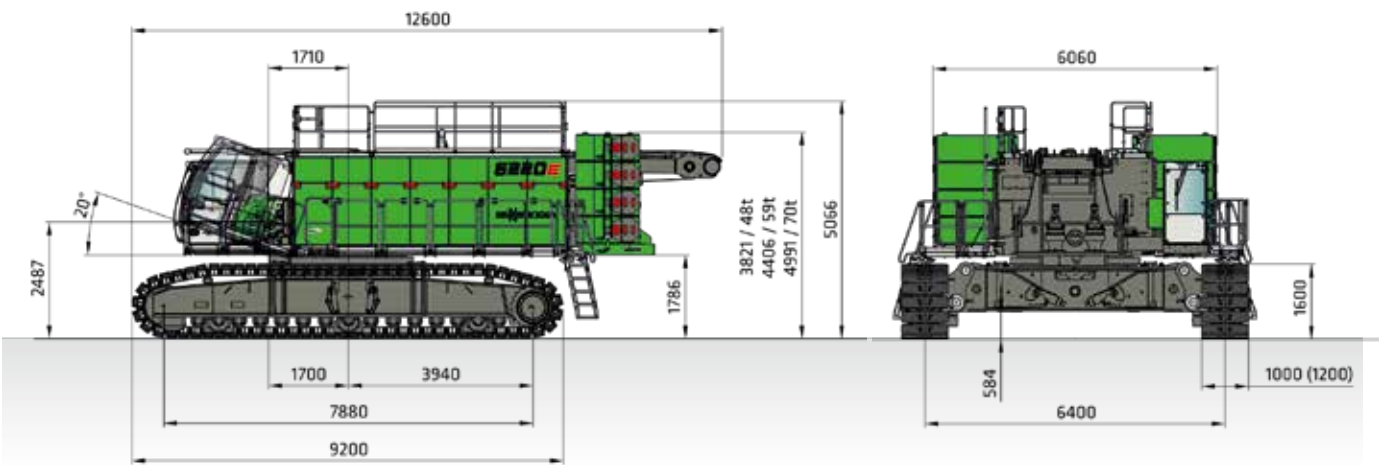
WINCH PULLING FORCE	[kN]	350
ROPE DIAMETER	[mm]	36
MINIMUM BREAKING FORCE	[kN]	1243
MAX. LOAD CAPACITY IN DRAGLINE OPERATION	[t]	35.0

Note:
1 The specified load capacities apply to a level and stable position of the machine.
2. load capacity values are given in tonnes and apply to 360 degrees.
3. the load capacity values apply to a support width/undercarriage track width of 6400 mm
4. the specified load capacities include the weight of the dragline bucket and do not exceed 75% of the tipping load
5. the load capacity is limited by the maximum cable pull or by the maximum winch pulling force of a winch



885 G Hybrid Set up,
Munich Bauma

DIMENSIONS BASE MACHINE

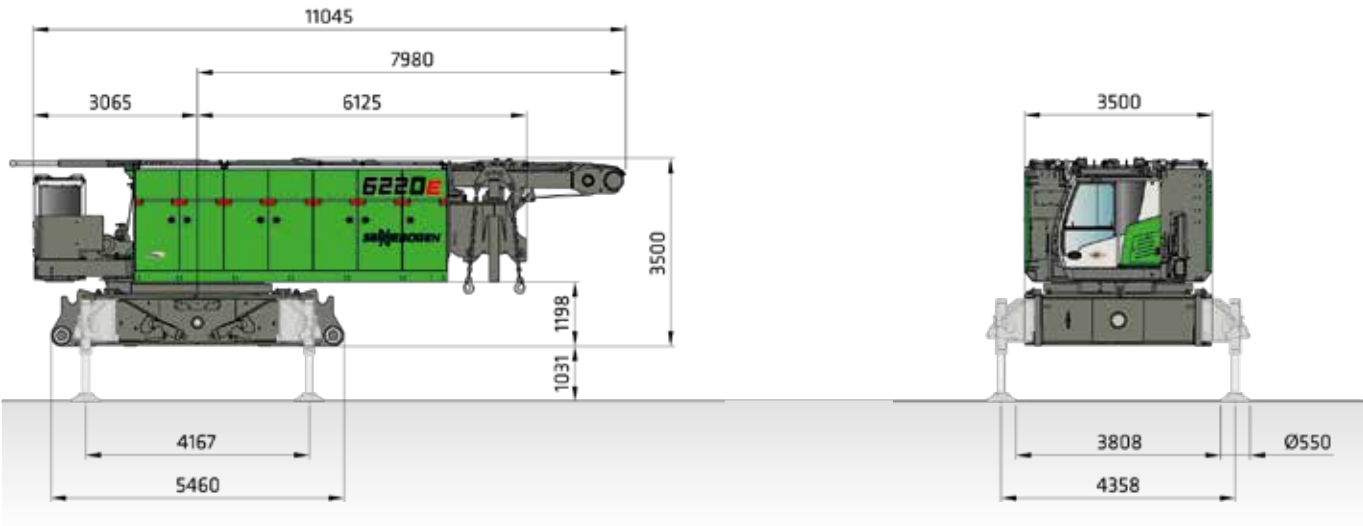


* = Width with folded-up steps

Dimensions in [mm]

TRANSPORT DIMENSIONS

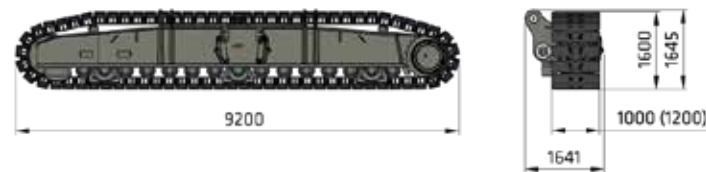
i Gewicht: 63300 kg (Transport weight without lifting ropes), 6,35 kg/m (Lifting rope weigh), 67000 kg (Transport weight with 375 m + 200 m lifting rope)
Transport width: 3500 mm



Dimensions in [mm]

TRANSPORT DIMENSIONS

CRAWLER



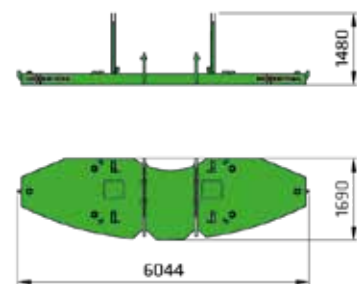
i **Weight:** 2x 25700 kg (26500 kg)
1000mm (option 1200mm
grouser base plates)

UNDERCARRIAGE BALLAST



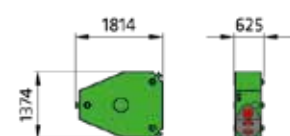
i **Weight:** 2x 18000 kg (only with 70t
counterweight)

BALLAST BASE PLATE



i **Weight:** 1x 14600 kg

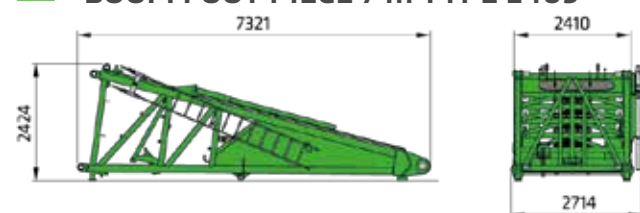
COUNTER WEIGHT



i **Weight:** 5600 kg

48 t: 6x
59 t: 8x
70 t: 10x

BOOM FOOT PIECE 7 m TYPE 2409



i **Weight:**
without additional winches: 4800 kg
Rope winch incl. hoist rope: 160 kg
6 t grabber winch incl. rope: 780 kg

TRANSPORT DIMENSIONS

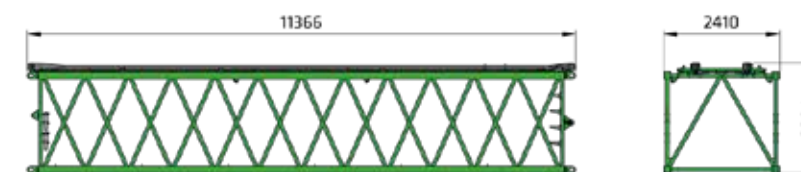
INTERMEDIATE BOOM SECTION 5.6 m TYPE 2409 (WITH GUY ROPES)

i **Weight:** 1950 kg



INTERMEDIATE BOOM SECTION 11.2 m TYPE 2409 (WITH GUY ROPES)

i **Weight:** 3080 kg



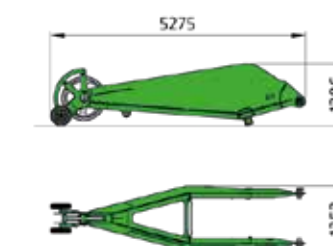
BOOM HEAD PIECE 6.1 m TYPE 2409 (WITH GUY ROPES)

i **Weight:** 4260 kg

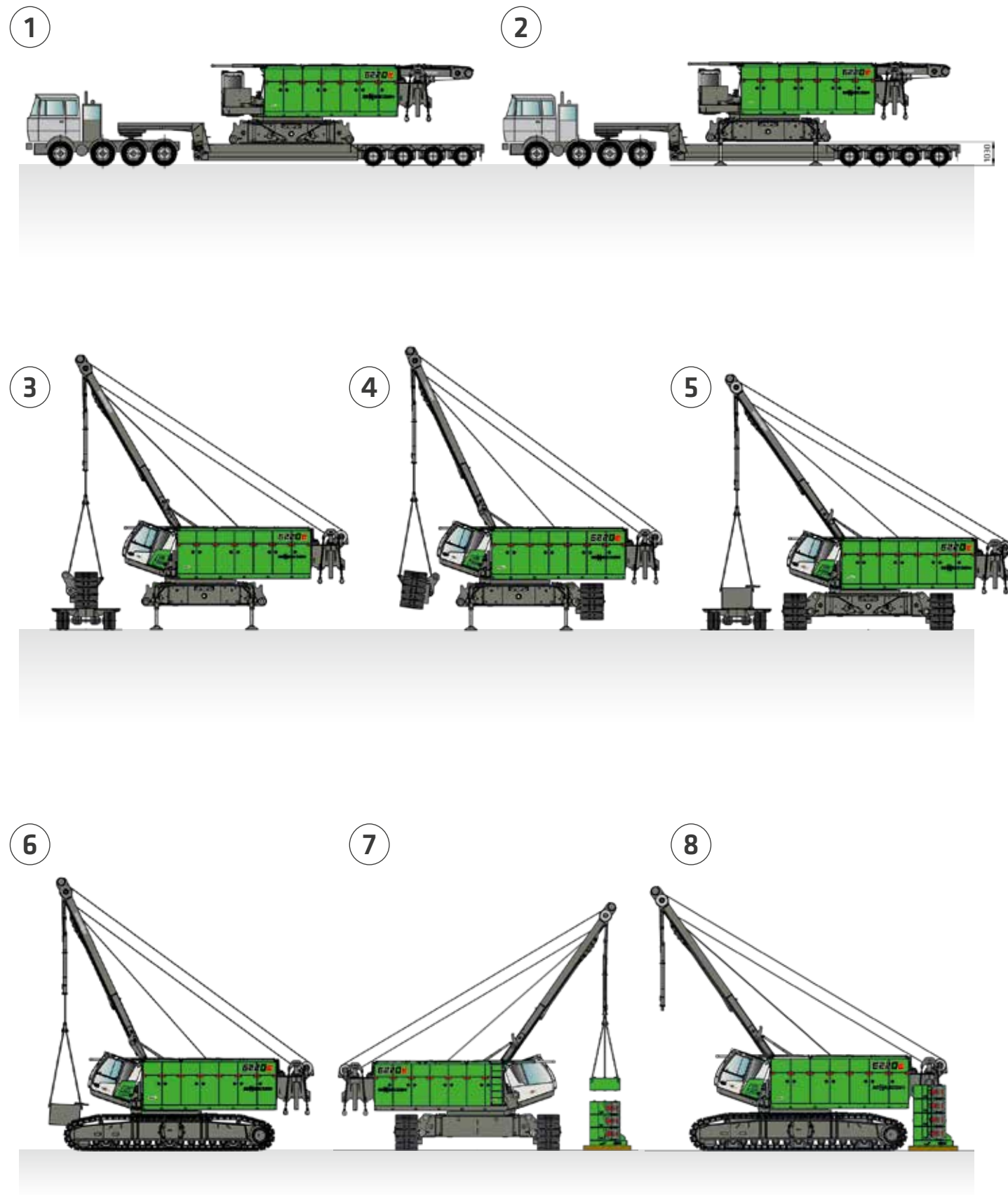


AUXILIARY JIB S48 (48t)

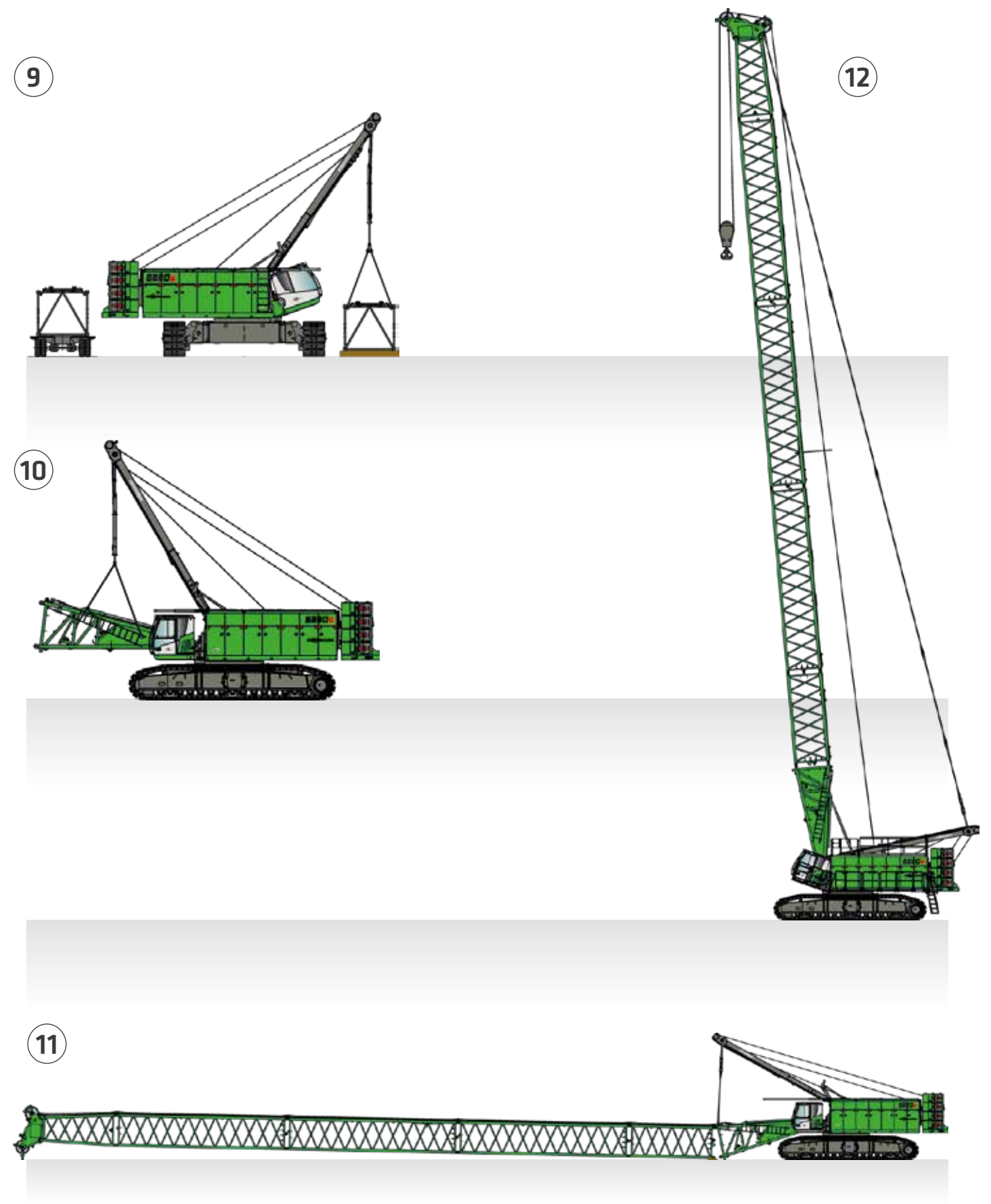
i **Weight:** 1380 kg



SELF-ASSEMBLY SYSTEM



SELF-ASSEMBLY SYSTEM





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14
different telescopic
cranes



Telehandler
4-6 t

Balancer
130-300 t

Material handler
17-420 t

Duty cycle crane
30-300 t

Crawler crane
50-300 t

Telescopic crane
16-200 t

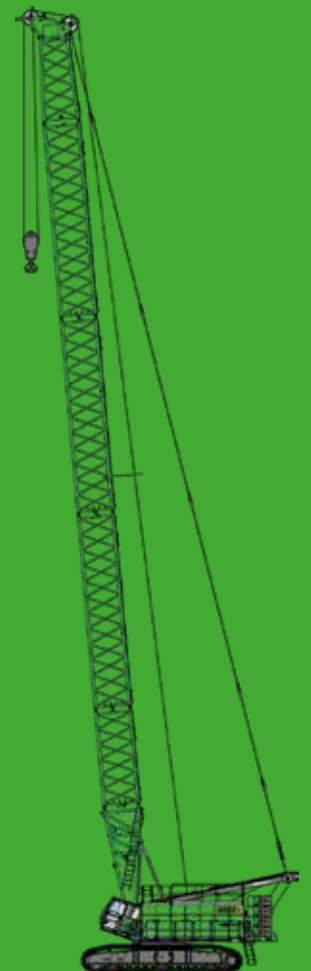
Port crane
300 t

6220E | Crawler

Bestell-Nr. 444991
6220-E-032502-052502

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