





119 kW (Stage Illa)

129 kW (Stage IV)











Telescopic crawler crane

553 E Advanced. The E-Series.



TX10 telescopic crane

What makes up the E-Series

- Over 25 years of experience in construction and building of highly specialized telescopic cranes
- Uncompromisingly high performance in all areas
- Technology that can be mastered: High-quality components without over-engineering
- Long service life and high value stability

Your top benefits:

- Green Efficiency

 Save fuel reduce operating costs

 Work quietly protect operator and environment
- Peak performance

 Robust boom system work on an incline of up to 4°
- Maximum usability

 Comfortable Maxcab operator cab relaxed work

 SENCON work program selection made easy
- Flexibility in service
 Operate under full load less space required
 Strong undercarriage traction good off-road capability
- Easy transport

 Mobile undercarriage with outrigger ready to go in no time
- Maintenance and service made easy
 SENNEBOGEN control system easy error diagnostics
 Simple maintenance clear labeling
- 7 Consultation and support in your area
 3 production sites 2 subsidiaries
 130 sales partners over 350 service stations







Strong telescopic boom for demanding tasks

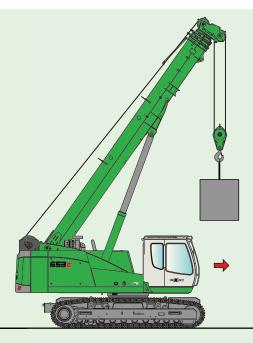
- Full power boom
- Work on inclines of up to 4° possible*
- Telescoping under load

Large operating range

- 30.4-meter boom length
- With fly boom extendable to 36.9 m or 43.4 m

Easy and flexible work - saves time

- Precision hydraulics allow telescoping to any boom length quickly
- Intuitive joystick control
- Ready to go in no time, even with varying work heights
- Always the ideal boom length in no time at all

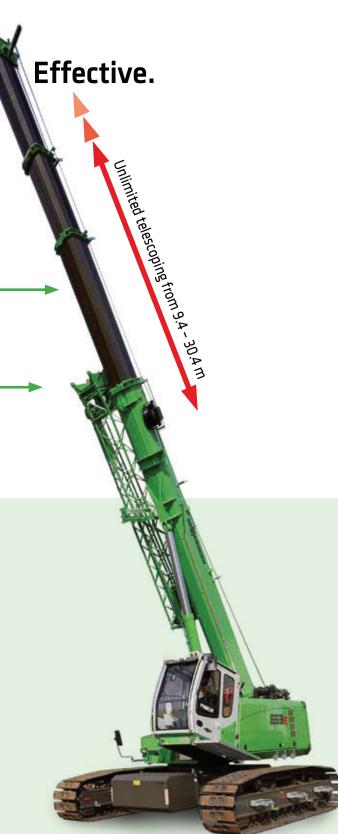


Unique flexibility on site

- Moveable even under high loads
- Excellent maneuverability thanks to strong undercarriage traction
- Easy, inexpensive transport and short setup time

Telescopic undercarriage

- Maximum stability due to long, telescopic crawler chassis with large outrigger area
- Low ground pressure due to wide crawler shoes, reliable stability even during dynamic tasks
- Robust tractor chassis and well sized travel drive for maximum all-terrain movement

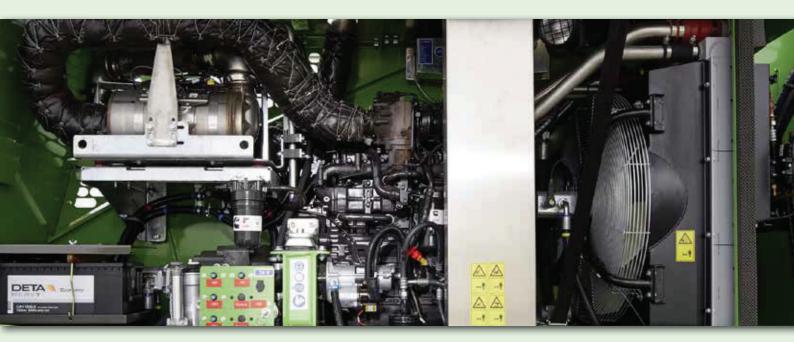


653 Modern. Flexible.



Hoisting winches

- Two hoisting winches working side by side
- Compact machine with small rear radius



Quiet operation

- Consistently quiet operation due to decoupled engine mounts and soundproofing
- Sound pressure level in accordance with 2000/14/EC lower than required

Straightforward engine compartment

- Service-friendly design
- Engine Stage Illa emission standards
- Engine Stage IV emission standards incl. AdBlue supply

* Check for availability 5

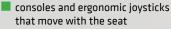
The premium cab.



Features

- optimum cab climate with automatic air conditioning system, partial tinted glass
- pleasant and equal temperature dispersion by means of 9 nozzles
- panoramic view
- climatic comfort seat with air suspension and air conditioning*
- very quiet through optimized noise insulation
- Highest safety & comfort with sliding door, wide door opening
- ergonomically arranged operating controls for fatigue-free and relaxed working
- 12 V, 24 V, and USB charging sockets hands-free telephone preparation, document box
- various options: electric cooler behind`s, protective covers, seat air conditioning

Our SENNEBOGEN joysticks



- pleasant grip through ergonomic design
- precise control of all movements through direct and sensitive function activation
- quick access to all operating controls through optimized design of all push-buttons and switches



6 * Option

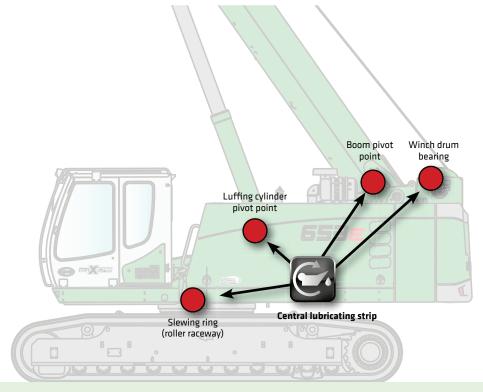




653 Maintenance and service made easy

Simplest service

- Central, easily accessible lubricating strip
- Optional: central lubrication system for automatic **lubrication**









HydroClean*

- 3-µm microfilter for optimal protection of hydraulic components
- Cleaner hydraulic oil, extended oil service life
- With water separator

Walkways on both sides

- Platform next to cab for more safety while entering and exiting
- Platforms along left and ride sides of uppercarriage for safe maintenance

Optimized for maintenance

- Fast and easy troubleshooting thanks to straightforward and clearly labeled electrical distributor
- Easy access to all service points on the machine

* Option



MACHINE TYPE

Model (type) 653

ENGINE							
Model	Cummins QSB 4.5 diesel motor, 119 kW/162 hp at 2,200 rpm Stage Illa emission standard						
	Cummins QSB 4.5 diesel motor, 129 kW/175 hp at 2,200 rpm Stage IV emission standard						
	Direct injection, turbo-charged, charge air cooling, reduced emissions						
Cooling	Water-cooled						
Diesel filter	With water separator and heating system						
Air filter	Dry filter with integrated pre-separator, automatic dust discharge, main element and safety element, contamination indicator						
Fuel tank	360 l						
AdBlue tank	38 [
Electrical system	24 V						
Batteries	2 x 155 AH battery disconnect switch						
Options	 Low-temperature package with engine pre-heating and heated diesel filter for temperatures below -20 °C Electric fuel pump 						

UPPERC	ARRIAGE
Design	Torsion-resistant box design, precision crafted, steel bushings for boom bearings. Extremely service-friendly design, longitudinal engine
Electrical system	Central electrical distributor, battery disconnect switch
Cooling system	3-circuit cooling system with high cooling capacity, electronically regulated fan drive for water, charge air and oil cooler
Safety	Rearview and right sideview cameras, LED lighting package
Options	 Additional LED headlights Up to 2 additional cameras Anti-corrosive maritime climate varnish Low-temperature package for use at temperatures below -20 °C

Options	 Automatic central lubrication for boom
	pivot point, luffing cylinder, slewing ring
	track and winch drum bearing
	Pinion tooth lubrication for slewing ring

HYDRAU	ULIC SYSTEM
	IDV hydraulic system, electrohydraulic pilot- unctions, load limit sensing control
Pump type	Swashplate-type variable-displacement piston pump, load pressure-independent flow distribution for simultaneous, independent control of work functions
Pump control	Zero-stroke control, on-demand flow control - the pumps only pump as much oil as will actually be used, pressure purging, load limit sensing control
Operating pressure	max. 330 bar
Filtration	High-performance filtration with long change interval
Hydraulic tank	500 l
Control system	Proportional, precision electrohydraulic actuation of work movements, 2 electric servo joysticks for work functions, including winch motion display via vibration transducer, additional functions via switches and pedals
Safety	Hydraulic circuits secured with safety valves Pipe fracture safety valve for luffing and tele- scoping cylinders
Options	 Bio-oil SENNEBOGEN HydroClean 3-µm hydraulic microfilter Electric heater for hydraulic tank for temperatures below -20 °C

SLEWIN	NG DRIVE
Gearbox	Compact planetary gear with slant-axis hydraulic motor, integrated brake valves
Slewing gear brake	Spring-loaded disk brake, pedal for individual braking
Slewing ring	Externally geared slewing ring, sealed
Slewing speed	0 – 2 rpm, variable



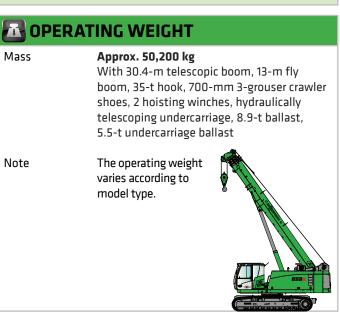
553 Technical data, equipment

CAB m	X -==
Cab type	Maxcab, 15° tiltable
Cab equipment	Sliding door, excellent ergonomics, climate automation, seat heater, air-suspension comfort seat, fresh air filter / circulating air filter, joystick steering, 12 V / 24 V USB connections, SENCON, roof window, sliding windows on the driver's side
Options	 Cab type E270, can be elevated 270 cm Cab can be tilted 15° Auxiliary heating system with timer Cabs with active carbon filter inside/outside air Armored-glass windshield Armored-glass sunroof Safety side window and rear window Sunblind for windshield Protective roof grating FOPS protective roof grating Protective front grating Radio with speakers electrical cooler

ATTACH	MENTS
Design	Decades of experience, state-of-the-art computer simulation, maximum stability, longest service life, oversized, low-mainte- nance bearing points, sealed special bearing bushes, precision-crafted
Telescopic boom	4-piece with pulley head, continuous hydraulic telescoping from 9.4 – 30.4 m
Hoisting winch	Slant-axis hydraulic motor drive with compact planetary gear, 50 kN pulling power (4th layer), 0 - 115 m/min. cable speed, 16 mm cable diameter, 170 m cable length. Winch motion display via vibration transducers in the joysticks
Safety brake	Spring-loaded disk brake
Crane safety	Next-generation load moment monitoring, straightforward panel displaying all important data through SENCON display, lifting limit switch, cable exit protection, pressure relief valves and pipe fracture safety device with event recorder
Cylinders	Hydraulic cylinders with high-quality sealing and guide elements

Options	 6.5-m fly boom, tiltable (0°, 40°), extremely fast and easy setup without auxiliary devices, locked on basic boom when not in use Fly boom extension to 13 m, tiltable (0°, 40°) Auxiliary jib, 5-t load capacity, 1-strand 2nd crane winch with 50 kN pulling power (4th layer), 0 - 115 m/min. cable speed, 16 mm cable diameter and 170 m cable length Additional load charts accepted for 2°/4° incline position 7,5-kW electrohydraulic emergency unit Remote radio control Working range restriction

UNDER	CARRIAGE
Design	T41/380 crawler undercarriage with hydraulically extendable track width. Stable welded construction.
Drive	Hydraulic travel drive for each running gear side, variable displacement hydraulic travel motors
Parking brake	Spring-loaded, hydraulically ventilated disk brake
Traveling gear	700-mm 3-grouser crawler shoes, maintenance-free tractor chassis
Speed	0 – 2.9 kph
Options	Available crawler shoe types:
	800-mm triple-bar-shoes900-mm triple-bar-shoes700-mm flat crawler shoes



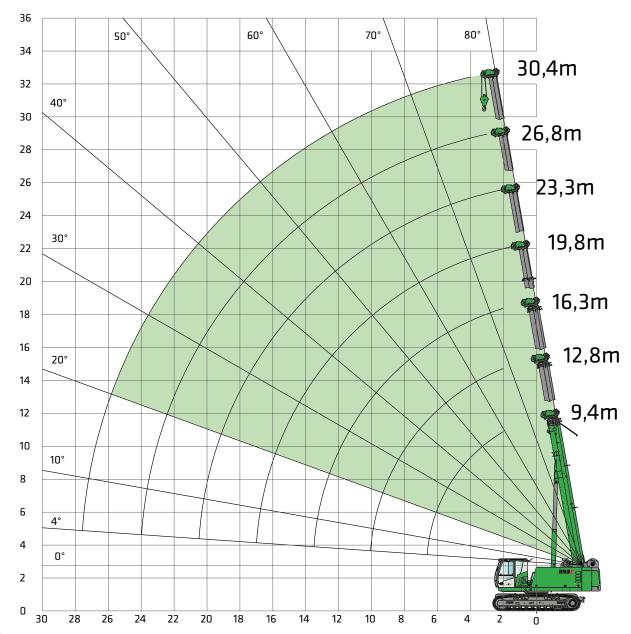
553 E Crane equipment





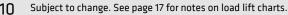


30.4-m main boom (HA)





Capacity	Weight	Rope reeving and max. load capacity													
Capacity	vveignt	10	9	8	7	6	5	4	3	2	1				
5 t	80 kg										5,000 kg				
15 t 1-pulley	190 kg								15,000 kg	10,000 kg	5,000 kg				
35 t 3-pulley	260 kg				35,000 kg	30,000 kg	25,000 kg	20,000 kg	15,000 kg	10,000 kg	5,000 kg				
60 t 6-pulley	540 kg	50,000 kg	45,000 kg	40,000 kg	35,000 kg	30,000 kg	25,000 kg	20,000 kg	15,000 kg	10,000 kg	5,000 kg				















30.4-m main boom (HA)

	Boom length [m]																				
		9.4			12.8			16.3			19.8			23.3		26.8			30.4		
Counterweight [t]	 8.9	 8.9	 8.9	 8.9	∓. ∓ 8.9	■. ■ 8.9	■. ■ 8.9	≣. 		∓. ∓ 8.9	≣. 	■. ■ 8.9	≣. . 8.9	∓. ∓ 8.9	 8.9	≣. . 8.9	■. 8.9	■. ■ 8.9	≣. 	■. ■ 8.9	■. ■ 8.9
Carbody counter- weight [t]	<u>-</u> ≟ 5.5	<u>-</u>	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>±</u> 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>±</u> 5.5	<u>-</u> -∎ 5.5	<u>-</u> ±- 5.5	<u>±</u> 5.5	<u>-</u> ± 5.5	<u>±</u> 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u></u> 5.5	<u>≠</u> 5.5
Undercarriage track width [m]	3.8	3.0	2.3	3.8	3.0	2.3	3.8	3.0	2.3	3.8	3.0	2.3	3.8	3.0	2.3	 ≡ 3.8	3.0	2.3	3.8	3.0	2.3
Outreach [m]																					
2.0	50,0	40,0		31,0	31,0		28,0	26,0		15,6	15,6		14,5	14,5							
3.0	45,0	40,0		31,0	31,0		25,0	24,4		15,6	15,6		14,5	14,5		12,7	12,7				
4.0	38,0	30,0	24,0	31,0	30,0	22,7	22,0	21,7	20,0	15,6	15,6	15,6	14,5	14,5	14,5	12,6	12,6	12,6	9,2	9,2	9,2
5.0	30,0	22,5	17,0	28,0	22,6	17,3	19,3	19,3	16,0	15,6	15,6	15,5	14,2	14,2	14,2	12,4	12,4	12,4	9,2	9,2	9,2
6.0	22,0	17,0	13,0	22,5	17,0	13,2	16,9	16,6	12,8	14,9	14,9	12,6	13,6	13,6	12,3	11,9	11,9	11,9	9,2	9,2	9,2
7.0				17,5	13,4	10,4	15,0	13,3	10,3	13,6	13,4	10,4	12,5	12,5	10,2	11,1	11,1	10,0	9,1	9,1	9,1
8.0				14,2	10,9	8,4	13,5	10,8	8,3	12,2	11,2	8,7	11,2	11,2	8,7	10,3	10,3	8,6	8,7	8,7	8,4
9.0				11,7	9,0	7,0	11,7	8,9	6,9	11,1	9,3	7,3	10,2	9,6	7,5	9,4	9,4	7,4	8,2	8,2	7,3
10.0							9,9	7,5	5,8	10,1	7,9	6,1	9,3	8,2	6,4	8,6	8,3	6,4	7,8	7,8	6,4
11.0							8,5	6,4	4,9	8,9	6,8	5,2	8,5	7,0	5,5	8,0	7,2	5,6	7,3	7,3	5,6
12.0							7,4	5,5	4,1	7,7	5,9	4,5	7,9	6,1	4,7	7,3	6,3	4,9	6,8	6,4	5,0
13.0							6,4	4,7	3,5	6,8	5,1	3,9	7,1	5,4	4,1	6,8	5,5	4,3	6,4	5,7	4,4
14.0										6,0	4,5	3,4	6,2	4,7	3,6	6,3	4,9	3,8	5,9	5,0	3,9
15.0										5,4	3,9	2,9	5,6	4,2	3,2	5,8	4,4	3,3	5,6	4,5	3,5
16.0										4,8	3,5	2,5	5,0	3,7	2,8	5,2	3,9	2,9	5,2	4,0	3,1
17.0													4,5	3,3	2,4	4,7	3,5	2,6	4,9	3,6	2,7
18.0													4,1	2,9	2,1	4,3	3,1	2,3	4,4	3,2	2,4
19.0													3,7	2,6	1,8	3,9	2,8	2,0	4,1	2,9	2,1
20.0													3,3	2,3	1,5	3,6	2,5	1,7	3,7	2,6	1,9
21.0																3,3	2,2	1,5	3,4	2,4	1,6
22.0																3,0	2,0	1,3	3,1	2,1	1,4
23.0																2,7	1,8	1,1	2,9	1,9	1,2
24.0																			2,6	1,7	1,1
25.0		:: 653R-7 :: 653R-7																	2,4	1,5	0,9
26.0		.: 653R-7																	2,2	1,3	0,7
Parts reeving	4	10	10	3	8	8	3	6	6	2	4	4	2	4	4	2	4	4	1	4	4
1		0%			50%			100%			100%			100%		100%				100%	
II		0%			0%			0%			25%		50%		75%				100%		
III		0%	0%					0%			25%		50%			75%				100%	
Reduction of load		580			420			330			270			230			200			180	

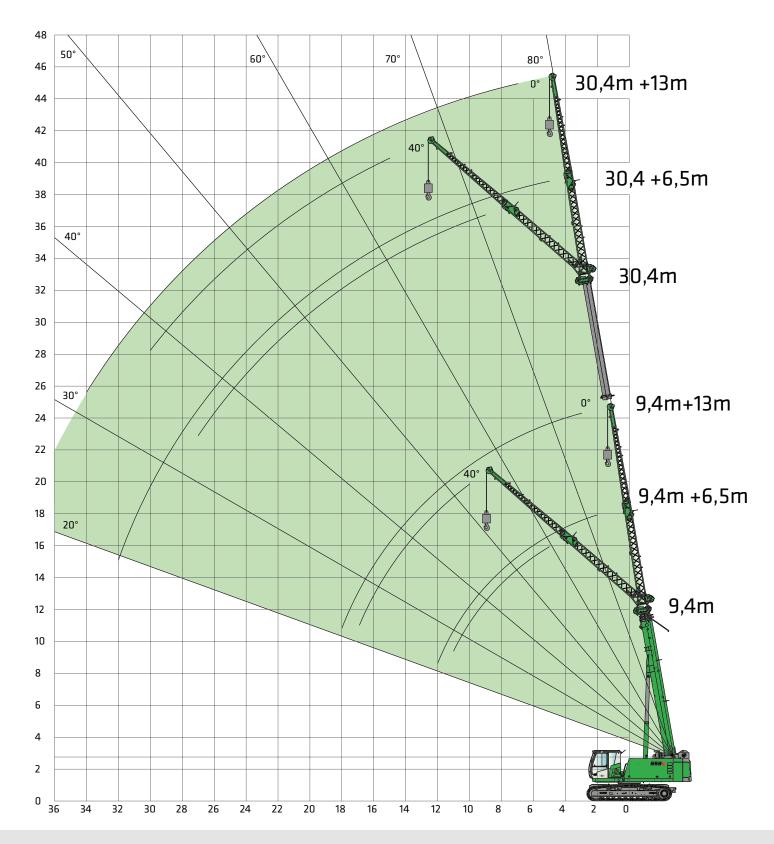
553 Crane equipment







6.5-m or 13-m fly jib (SA)



12 Subject to change. See page 17 for notes on load charts.











6.5-m fly jib (SA)

	.			Te	elescopic bo	om length [m]			
8.9 t	5.5 t	9	.4		5.3		3.8	30.3		
	—————————————————————————————————————									
3.8 m		<u> </u>	40°		40°		40°	0°	40°	
Working radius [m]										
2.0		10.0								
	3.0	9.9		10.0		9.9				
	4.0	8.6		9.9		9.4				
	5.0	7.7	4.6	9.4		9.0		4.9		
(6.0	6.9	4.4	8.7	4.6	8.5		4.8		
	7.0	6.3	4.2	8.0	4.5	8.0	4.4	4.8		
8	8.0	5.7	4.0	7.4	4.3	7.6	4.3	4.7		
9	9.0	5.2	3.9	6.9	4.2	7.2	4.2	4.7	4.0	
10	0.0	4.8	3.8	6.4	4.1	6.8	4.1	4.7	4.0	
1	1.0	4.5	3.7	6.0	4.0	6.5	4.0	4.7	3.9	
12	2.0	4.1		5.7	3.9	6.2	3.9	4.7	3.8	
13	3.0			5.3	3.8	5.9	3.9	4.6	3.8	
14	4.0			5.0	3.8	5.7	3.8	4.4	3.7	
1!	5.0			4.8	3.7	5.4	3.7	4.2	3.7	
10	6.0			4.6	3.7	5.0	3.7	4.0	3.6	
1	7.0			4.2		4.6	3.6	3.8	3.5	
18	8.0			4.0		4.2	3.6	3.7	3.4	
19	9.0					3.7	3.6	3.5	3.3	
20	0.0					3.5	3.5	3.4	3.2	
2	1.0					3.2	3.3	3.2	3.1	
2	2.0					2.9		3.0	3.0	
2	3.0					2.6		2.7	2.8	
24	4.0					2.4		2.4	2.6	
2!	5.0							2.2	2.4	
20	6.0							2.0	2.2	
2	7.0							1.8	2.0	
28	8.0							1.7		
29	9.0							1.5		
3(0.0							1.4		
3	1.0							1.2		
32	2.0	Tahla no · CC	3R-75/1977/8.9 t + 5.5/10	114 SΔ6 5 Ω 2°				1.1		
3	3.0	raule IIU bo:	31. 73/13/7/0.3 t + 3.5/1t	JNU.J U.J						
Parts	reeving	2	1	2	1	2	1	2	1	
	I		1%		0%		0%	100	0%	
	II	0	1%	C	1%	50	0%	100	0%	
ı	III	0	1%	C)%	50	0%	100	0%	

13









13-m fly jib (SA)

.	-	Telescopic boom length [m]									
8.9 t	5.5 t	9.4		10	5.3	2	3.8	30.3			
↔			<u> </u>				4		\angle		
3.8	8 m	0°	40°	0°	40°	0°	40°	0°	40°		
	ng radius										
	m]	4.6									
	3.0 4.0	4.6 4.4		4.6							
	4.0 5.0	4.4		4.6		3.8					
	6.0	3.7		4.1		3.7					
	7.0	3.4		3.8		3.6		2.1			
	B.O	3.1		3.6		3.4		2.1			
	9.0	2.9		3.4		3.3		2.1			
	0.0	2.7	1.8	3.2		3.1		2.1			
	1.0	2.5	1.7	3.0		3.0		2.1			
	2.0	2.3	1.7	2.8	1.7	2.9		2.1			
	3.0	2.2	1.7	2.6	1.7	2.7	1.7	2.1			
14	4.0	2.0	1.6	2.5	1.7	2.6	1.6	2.1			
15	5.0	1.9	1.6	2.4	1.6	2.5	1.6	2.1	1.5		
16	6.0	1.8	1.5	2.3	1.6	2.4	1.6	2.1	1.5		
17	7.0	1.7	1.5	2.1	1.5	2.3	1.5	2.1	1.5		
18	B.O	1.6		2.0	1.5	2.2	1.5	2.1	1.5		
19	9.0			2.0	1.5	2.1	1.5	2.0	1.4		
20	0.0			1.9	1.5	2.1	1.5	2.0	1.4		
2.	1.0			1.8		2.0	1.4	1.9	1.4		
22	2.0			1.7		1.9	1.4	1.9	1.4		
2	3.0			1.6		1.8	1.4	1.8	1.4		
24	4.0			1.5		1.8	1.4	1.8	1.3		
	5.0					1.7	1.4	1.7	1.3		
	6.0					1.7	1.4	1.7	1.3		
	7.0					1.6		1.6	1.3		
	8.0					1.4		1.6	1.3		
	9.0					1.4		1.6	1.3		
	0.0							1.3	1.1		
	1.0							1.1			
-	2.0							0.9			
	3.0	Table no.: 6	53R-75/1977/8.9+5.5/10	14 SA13 0.3°				0.7			
	4.0					3		0.6			
	reeving	2	1	2 1		2	1	2 1			
	1		%		0%		0%	100%			
	II 		%		1%)%	100			
III 0%			%	U	1%	50)%	100%			









Auxiliary jib (HA-S)

								Boom length [m]														
	9.4			12.8		16.3			19.8		23.3			26.8			30.4					
Counterweight [t]	■. ■ 8.9	■. ■ 8.9	∓.∓ 8.9	■. ■ 8.9	∓.∓ 8.9	∓.∓ 8.9	₽. ₽ 8.9	■. ■ 8.9	■. ■ 8.9	∓.∓ 8.9	■. ■ 8.9	■. ■ 8.9	₽. ₽ 8.9	■. ■ 8.9	■. ■ 8.9	∓.∓ 8.9	■. ■ 8.9					
Carbody counter- weight [t]	<u>±</u> 5.5	<u>-</u> ±- 5.5	<u>=</u> ± 5.5	<u>=</u> ± 5.5	<u>-</u> ±- 5.5	<u>-</u> ± 5.5	<u>=</u> ± 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>±</u> 5.5	<u>-</u> ±- 5.5	<u>=</u> ± 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-≟</u> 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>-</u> ±- 5.5	<u>.</u> ±	
Undercarriage track width [m]	 ≡ 3.8	=	2.3	 ≡ 3.8	 ≡ 3.0	2.3	∷ 3.8	3.0	2.3	 ≡ 3.8	1 <u>■</u> 3.0	2.3	∷ 3.8	3.0	2.3	 ≡ 3.8	3.0	2.3	3.8	3.0	 2.3	
Working radius [m]																						
2.0	5,0	5,0		5,0	5,0		5,0	5,0		5,0	5,0		5,0									
3.0	5,0	5,0		5,0	5,0		5,0	5,0		5,0	5,0		5,0	5,0		5,0						
4.0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0			
5.0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
6.0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
7.0		5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
8.0		5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
9.0				5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
10.0				5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
11.0				5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
12.0							5,0	5,0	4,3	5,0	5,0	4,6	5,0	5,0	4,8	5,0	5,0	5,0	5,0	5,0	5,0	
13.0							5,0	4,9	3,7	5,0	5,0	4,0	5,0	5,0	4,2	5,0	5,0	4,4	5,0	5,0	4,4	
14.0										5,0	4,6	3,5	5,0	4,8	3,7	5,0	5,0	3,8	5,0	5,0	4,0	
15.0										5,0	4,0	3,0	5,0	4,3	3,2	5,0	4,4	3,4	4,4	4,5	3,5	
16.0										4,2	3,6	2,6	4,4	3,8	2,8	4,9	4,0	3,0	4,1	4,1	3,1	
17.0										3,7	3,1	2,2	3,9	3,4	2,5	4,1	3,5	2,6	3,9	3,7	2,8	
18.0													3,6	3,0	2,1	3,7	3,2	2,3	3,8	3,3	2,5	
19.0													3,2	2,7	1,8	3,4	2,9	2,0	3,5	3,0	2,2	
20.0													2,8	2,4	1,6	3,0	2,6	1,8	3,2	2,7	1,9	
21.0																2,8	2,3	1,5	2,8	2,4	1,7	
22.0																2,5	2,0	1,3	2,7	2,2	1,5	
23.0																2,3	1,8	1,1	2,4	1,9	1,3	
24.0																2,0	1,6	0,9	2,2	1,7	1,1	
25.0				.9+5.5/10															2,0	1,5	0,9	
26.0				.9+5.5/10 .9+5.5/10															1,8	1,4	0,8	
Parts reeving	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ı	0% 50%		100%			100%			100%			100%			100%							
II	0% 0%		0%			25%			50%			75%			100%							
III	0% 0%				0% 25%				50%			75%				0%						
Reduction of load		580			420			330			270		230			200				180		



553 E Load capacity programs

	Main boom (HA)			А	uxiliary ji (HA-S)	b	6	.5-m fly ji (SA)	b	13-m fly jib (SA)			
				6			The state of the s						
Counterweight [t]	§ \												
Undercarriage track width		 3.8 m	∓= 3.0 m	2.3 m	 3.8 m	 3.0 m	2.3 m	 3.8 m	 3.0 m	2.3 m	 3.8 m	 3.0 m	2.3 m
≣.≡ • • • 8.9 t	<u>=</u> 5.5 t	360°	360°	360°	360°	360°	360°	360°	_	_	360°	_	_

Note:

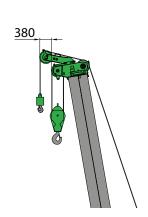
- 1. Specified load ratings only apply when machine is level (±0.3°) and stable.
- 2. Load ratings are in tons (t) and apply for 360 degrees.
- 3. Load ratings are in accordance with EN 13000.
- 4. The weight of the load handling devices (e.g., hook, cable) must be subtracted from the load ratings.
- 5. Load ratings must be limited or reduced when conditions are unfavorable, such as soft or uneven ground, slopes, wind, lateral loads, swinging loads, jerking or sudden stopping of load, operator inexperience, driving with load.
- 6. Permissible cable pull per strand in crane mode for cable diameter 16 mm 5,000 kg.
- 7. Specified load ratings are for reference only. See the tables in the operating manual for the applicable load rating.
- 8. Optional load capacities available for 2° and 4° incline positions.





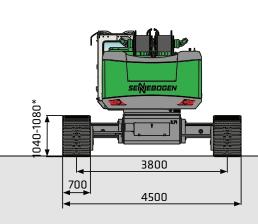
Fly boom variants

- 6.5 m fly boom
 Max. 2-strand, possible offset angle 0°/40°
- 13 m fly boom
 with 6.5 m extension,
 1-strand, offset angle 0°/40°
- Auxiliary jib5 t load capacity, 1-strand



Subject to change. 17

553 Transport dimensions and weights

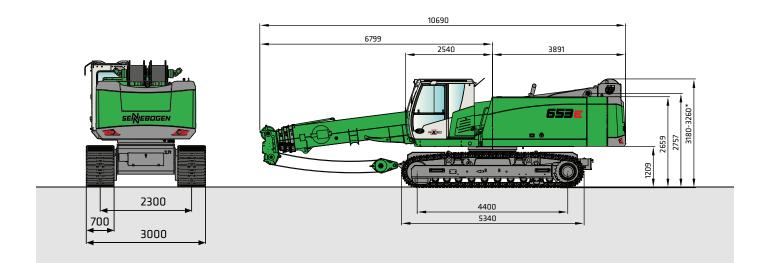


crawler shoes	min. transport width
700 mm	3000 mm
800 mm	3300 mm
900 mm	3400 mm

653 with T41/380 undercarriage and 700-mm 3-grouser crawler shoes

Operating weight: approx. 50,200 kg

(with 13-m fly boom, 2 hoisting winches, 8.9-t counterweight, 5.5-t undercarriage ballast and 35-t hook)

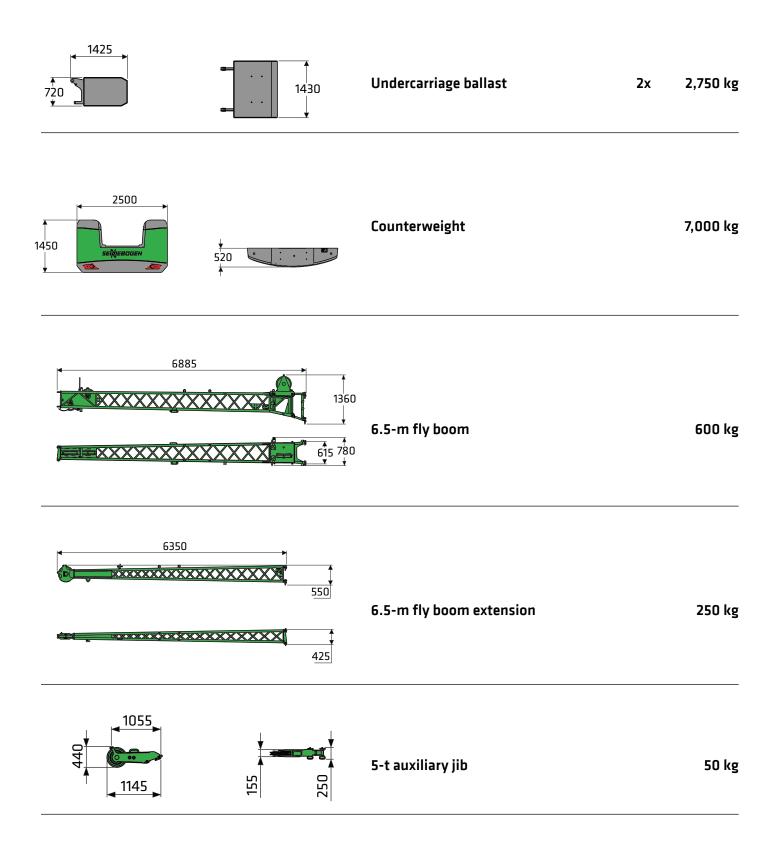


Transport weight: approx. 44,700 kg (13-m fly boom, 2 hoisting winches, without undercarriage ballast) approx. 50.200 kg (13-m fl y boom, 2 hoisting winches, with undercarriage ballast)

18 Subject to change. *depends on base plate Dimensions in [mm]

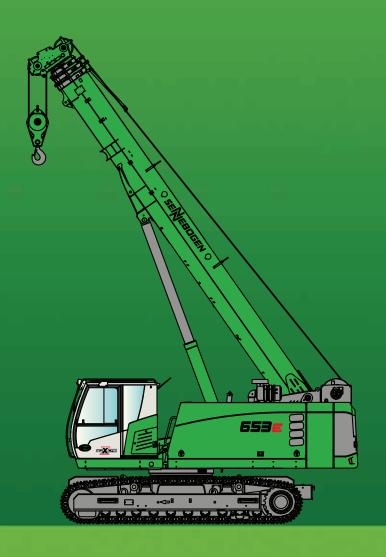


553 Transport dimensions and weights



Subject to change.





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

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