



164 kW (stage IIIa)

168 kW (stage IV)



70 t



36 m



MAX CAB

673E

Telescopic crawler crane

Exhaust level IV

673E Technical data - equipment

MACHINE TYPE

Model (type) 673

ENGINE

Model	Cummins diesel engine QSB 6.7 164 kW / 223 HP at 2000 rpm Emission in accordance with emission stage 3a Cummins diesel engine QSB 6.7 168 kW / 228 HP at 2000 rpm Emission in accordance with emission stage 4f Direct injection, turbo-charged, charge air cooling, emission reduced
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	540 l
AdBlue tank	38 l
Electr. system	24 V
Batteries	2 x 155 AH battery disconnect switch
Options	<ul style="list-style-type: none"> ■ Low-temperature package with engine pre-heating and heated diesel filter from implementation temperatures under -20 °C ■ Electric fuel pump

UPPERCARRIAGE

Design	Torsion-resistant box design, precision crafted, steel bushings for boom bearing arrangement. Service-friendly concept, engine installed in the longitudinal direction
Electrical	Central electrical distributor, battery disconnect switch
Cooling system	3-circuit cooling system with high cooling output, thermostatically regulated fan drive for oil cooler, electronically regulated water and charge air cooler
Safety	Camera monitoring of the rear area and right side, lighting package with LED
Options	<ul style="list-style-type: none"> ■ Supplemental LED headlights ■ Up to 2 additional cameras ■ Maritime varnishing as corrosion protection ■ Low-temperature package for work deployments at temperatures under -20°C

Options

- Automatic central lubrication for boom pivot point, luffing cylinder, slewing gear raceway, and winch drum bearing
- Pinion tooth lubrication for slewing ring
- Upper-carriage railing

HYDRAULIC SYSTEM

Load sensing / LUDV hydraulic system, hydraulic, pilot-controlled work functions, load limit sensing control	
Pump type	Variable-displacement piston pump in swashplate design, 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
Delivery rate	maximum 375 l / min
Operating pressure	to 330 bar
Filtration	High-performance filtration with long-term change interval
Hydraulic tank	765 l
Control system	Proportional, precision hydraulic activation of work movements, 2 hydraulic servo joysticks for work functions, including winch movement indicator via vibration transducer, supplemental functions via switches and foot pedals
Safety	Hydraulic circuits with safety valves pipe fracture safety valve for luffing cylinder and telescoping cylinders
Options	<ul style="list-style-type: none"> ■ Bio-oil filling - ecologically worthwhile ■ 3 µm hydraulic micro-filter SENNEBOGEN HydroClean ■ Electrical hydraulic tank pre-warming at temperatures under -20°

SLEWING DRIVE

Gearbox	Compact planetary gear with slant axis hydraulic motor, integrated brake valves
Parking brake	Spring-loaded disk brake
Slewing ring	Externally geared slewing ring, sealed
Slewing speed	0-2 rpm, variable

673E Technical data - equipment



CAB

MPX CAB

Cab type	Spacious Maxcab, 20° tiltable
Cab equipment	Sliding door, excellent ergonomics, climate automation, seat heater, air-suspension comfort seat, fresh air filter / circulating air filter, 12 V / 24 V connections, SENCON, sun-blind for roof window
Options	<ul style="list-style-type: none"> Hydraulically elevating cab E270, can be elevated 2.70 m and tilted 30° Auxiliary heating system with timer Cab active charcoal filter Sliding window in the operator door Armored glass windshield Armored glass roof window Protective roof grating FOPS protective roof grating Radio with CD player



ATTACHMENTS

Design	Decades of experience, state-of-the-art computer simulation, highest level of stability, longest service life, large-dimensioned, low-maintenance bearing points, sealed special bearing bushes, precision-crafted
Telescopic boom	4-piece with roller head, hydraulic continuously telescopic from 11-36 m
Hoisting winch	Drive via slant axis hydraulic motor with compact planetary gear, pulling force 50 kN (4th position), rope speed 0 - 115 m/min, rope diameter 16 mm, 205 m rope length. Winch movement display via vibration transducers in the joysticks
Safety brake	Spring-loaded disk brake
Crane safety	Latest generation of load moment monitoring, clearly organized panel with display of all important data via SENCON display, lifting limit switch, cable exit protection, excess pressure valves, and pipe fracture safety device with Eventrecorder
Cylinders	Hydraulic cylinders with high-quality sealing and guide elements
Options	<ul style="list-style-type: none"> Fly jib 8 m, safe working load 10 t, tiltable (0°, 20°, 40°) set-up is extremely fast and easy without auxiliary devices, locked on the basic boom when not in use Fly jib extension to 15 m (7 m extension), safe working load 5 t, tiltable (0°, 20°, 40°), must be transported separately Auxiliary jib: 5 t safe working load, 1-strand

Options

- 2nd crane winch: Pulling force 50 kN (4th position), rope speed 0 - 115 m/min, rope diameter 16 mm, 205 m rope length
- Supplemental acceptance of load charts with 2°/4° incline position
- Operation with elevating work platform with up to 4 m width and 1,000 kg payload
- Electro-hydraulic emergency unit 3 kW
- Remote radio control



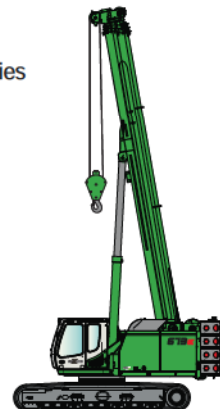
UNDERCARRIAGE

Design	Crawler undercarriage T73/410 with hydraulically extendable track width. Stable welded construction.
Drive	Hydraulic travel drive for each running gear side, 2-stage hydraulic traction motors
Parking brake	Spring-loaded, hydraulically venting, spring-loaded, hydraulically venting disk brake, activated via foot pedal
Traveling gear	700 mm 3-grouser base plates, maintenance-free crawler B6
Speed	0 - 2.7 km/h
Options	<p>Base plates with the following equipment:</p> <ul style="list-style-type: none"> 800 mm 3-grouser base plate 900 mm 3-grouser base plates 700 mm flat base plates 800 mm flat base plates



OPERATING WEIGHT

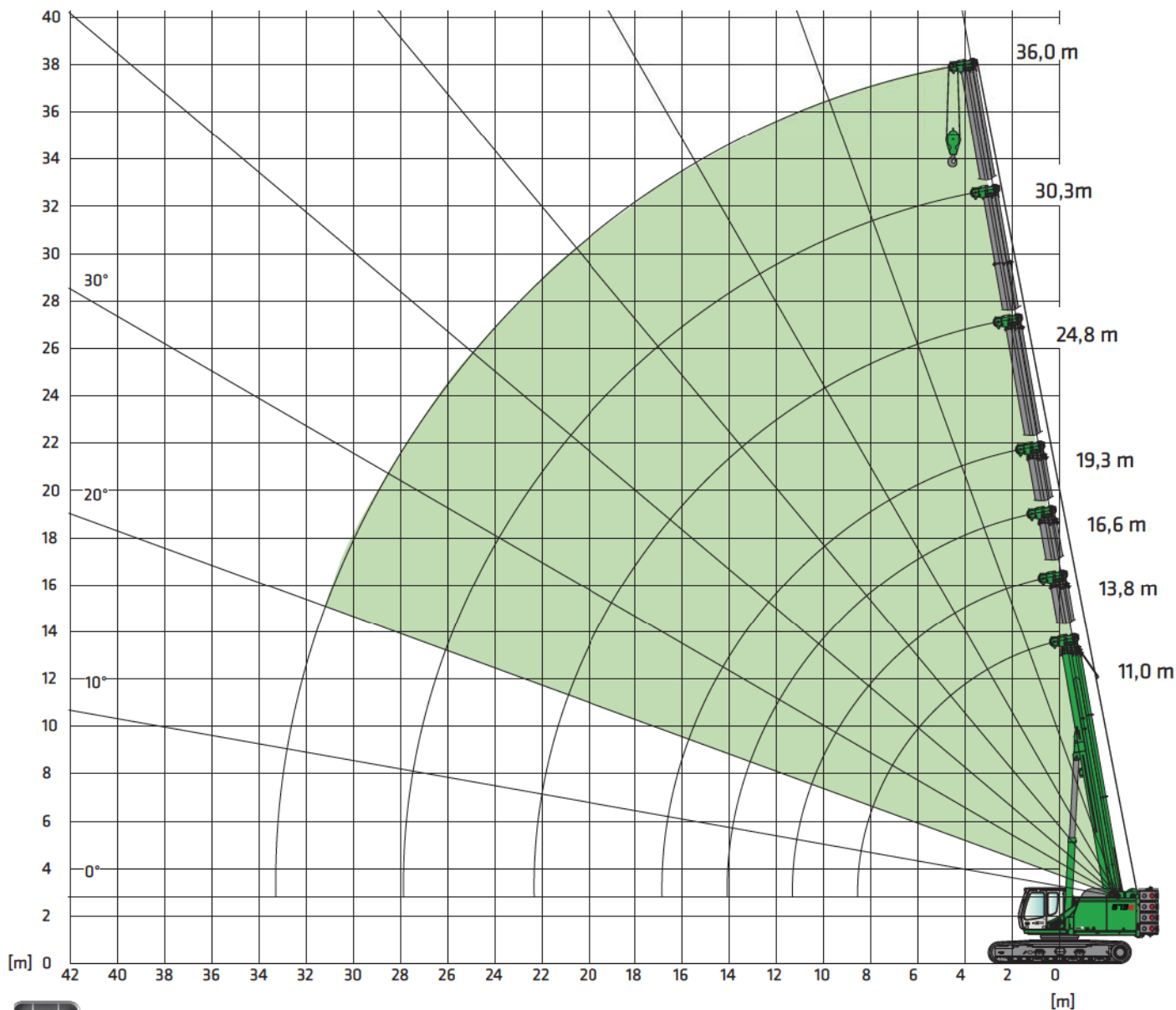
Mass	approximately 69,800 kg with telescopic boom 36 m, fly boom 8 m, 35 t hook, 3-grouser base plates 700 mm, 2 hoisting winches, hydraulically telescoping undercarriage, ballast 17.4 t, undercarriage ballast 8 t
Note	The operating weight varies depending on model.



673E Crane equipment



Telescopic boom 36 m



Hooks

Capacity	Weight	Cable reeving and maximum safe working load											
		12	11	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	60,000 kg	55,000 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

673E Load ratings



Main boom

	Boom length [m]																				
	11.0			13.8			16.6			19.3			24.8			30.3			36.0		
Counterweight [t]	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9
Carbody counterweight [t]	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	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Undercarriage track width [m]	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1
Working radius [m]																					
2.0	70.0	50.0	50.0		50.0			44.0			29.0										
2.5	69.5	50.0	50.0		50.0			44.0			29.0			22.5							
3.0	67.2	50.0	50.0	61.0	50.0	50.0	44.0	44.0	44.0	37.8	29.0	37.8	22.5	22.5	22.5		21.0				
4.0	56.0	50.0	50.0	53.6	49.0	50.0	37.7	37.8	37.7	32.6	29.0	32.6	22.5	22.5	22.5	21.0	21.0	21.0		14.5	
5.0	44.9	41.2	42.0	44.5	37.0	39.0	32.9	32.9	32.9	28.5	28.5	28.5	22.5	22.5	22.5	20.1	20.1	20.1	14.5	14.5	14.5
6.0	37.3	31.0	31.0	36.9	30.0	30.5	29.1	28.0	29.1	25.1	25.1	25.1	22.1	22.1	22.1	18.4	18.4	18.4	14.5	14.5	14.5
7.0	31.4	24.5	24.0	30.8	24.0	23.6	26.1	23.5	23.3	22.5	22.5	22.4	19.8	19.8	19.8	16.9	16.9	16.9	14.2	14.2	14.2
8.0	25.5	20.0	19.3	25.0	19.5	19.0	23.6	19.6	18.7	20.3	19.1	18.5	17.9	17.9	17.9	15.4	15.4	15.4	13.4	13.4	13.4
9.0		16.8		20.8	16.5	15.7	20.5	16.4	15.4	18.4	16.2	15.2	16.4	15.8	15.6	14.1	14.1	14.1	12.6	12.6	12.6
10.0		14.0		17.6	14.0	13.2	17.4	13.9	13.0	16.8	13.8	12.8	15.0	14.0	13.4	12.9	12.9	12.9	11.8	11.8	11.8
12.0		10.2		15.2 / 11.0 m	12.0 / 11.0 m	11.3 / 11.0 m	13.1	10.5	9.5	13.0	10.3	9.4	12.8	10.9	10.0	11.0	11.0	10.3	10.2	10.2	10.2
14.0					8.6		11.5 / 13.0 m	9.0 / 13.0 m	8.3 / 13.0 m	10.2	8.0	7.1	10.7	8.3	7.7	9.5	8.6	8.0	8.7	8.5	8.2
16.0								7.2		8.1	6.1	5.4	8.6	6.6	6.0	8.3	6.9	6.4	7.5	7.1	6.6
18.0											4.7		7.1	5.3	4.8	7.3	5.6	5.2	6.5	5.8	5.4
20.0											3.6		5.9	4.2	3.8	6.2	4.6	4.2	5.8	4.8	4.4
22.0											2.7		5.3 / 21.0 m	3.8 / 21.0 m	3.3 / 21.0 m	5.2	3.7	3.4	5.2	4.0	3.6
24.0														2.3		4.4	3.0	2.7	4.7	3.4	2.9
26.0														1.7		3.7	2.5	2.0	4.0	2.8	2.4
28.0																	1.6		3.4	2.3	1.9
30.0																	1.2		2.8	1.8	1.5
32.0																	0.8		2.4	1.4	1.0
34.0	Tab. no.: 673R-75/2068/17.4+8.0/05.13 HA36 0.3*																				
36.0	Tab. no.: 673R-75/1671/17.4+8.0/09.13 HA36 0.3*																				
Parts reeving	14	10	10	13	10	10	9	9	9	8	6	8	5	5	5	5	5	5	3	3	3
I	0%	0%	0%	33%	33%	33%	66%	66%	66%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
II	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	66%	66%	66%	100%	100%	100%
III	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	66%	66%	66%	100%	100%	100%
The lifting capacities must be reduced with the fly boom mounted on the basic body.																					
Reduction of load [kg]	770			610			510			430			340			280			240		

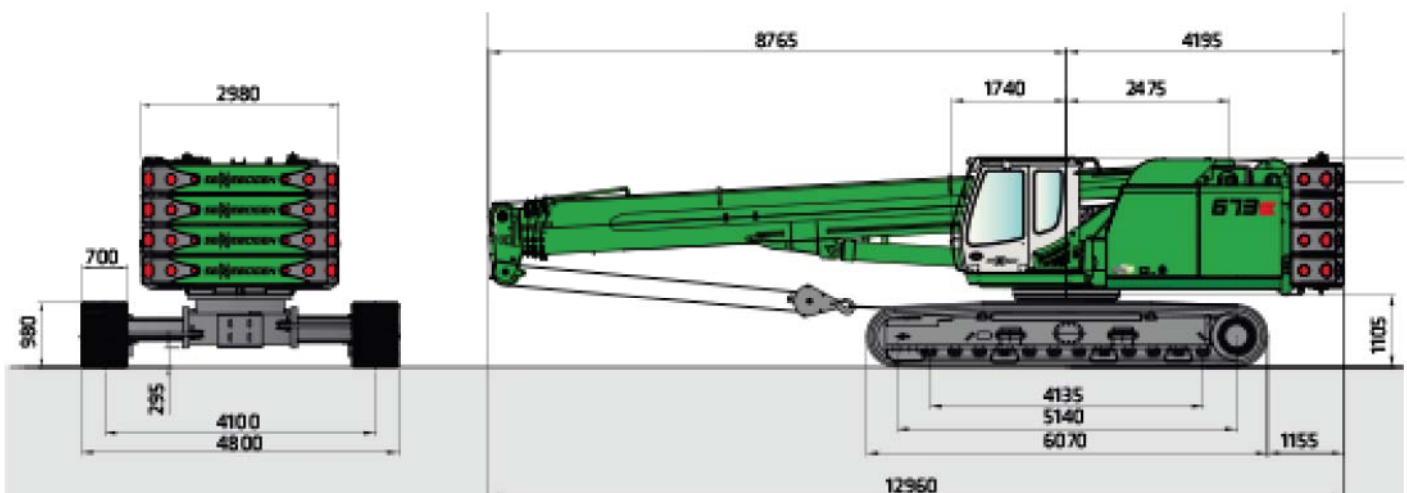
673E Load ratings



Auxiliary jib

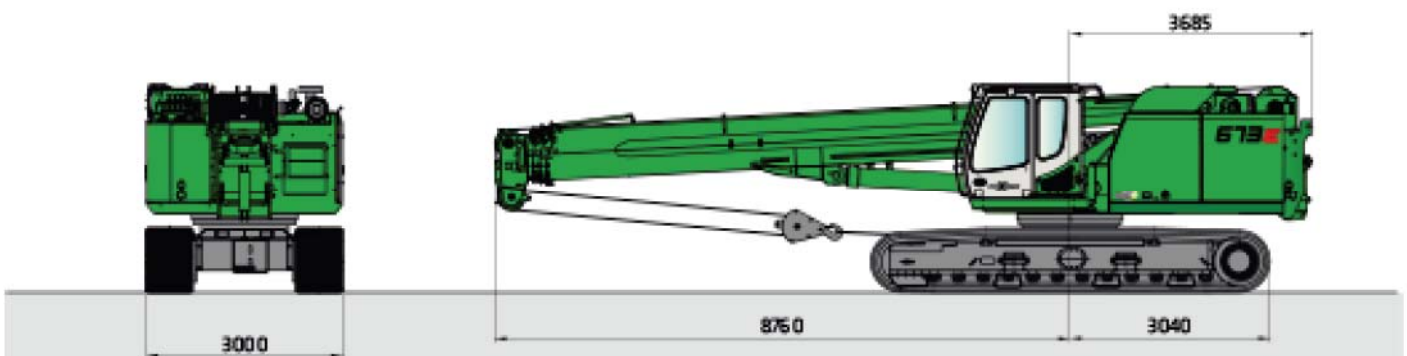
	Boom length [m]																				
	11.0			13.8			16.6			19.3			24.8			30.3			36.0		
Counterweight [t]	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9	17.4	17.4	8.9
Carbody counterweight [t]	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Undercarriage track width [m]	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1	4.1	3.2	4.1
Working radius [m]																					
2.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0									
2.5	5.0	5.0	5.0	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	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
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	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	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
12.0				5.0 / 11.0 m	5.0 / 11.0 m	5.0 / 11.0 m	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
14.0							5.0 / 13.0 m	5.0 / 13.0 m	5.0 / 13.0 m	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
16.0										5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
18.0													5.0	5.0	4.7	5.0	5.0	4.9	5.0	5.0	5.0
20.0													5.0	4.1	3.7	5.0	4.5	4.1	5.0	4.9	4.3
22.0													4.6 / 21.0 m	3.7 / 21.0 m	3.2 / 21.0 m	4.6	3.6	3.3	4.8	3.9	3.5
24.0																3.7	2.9	2.6	4.0	3.3	2.8
26.0																3.0	2.4	1.9	3.3	2.7	2.3
28.0																			2.7	2.2	1.8
30.0																			2.2	1.7	1.4
32.0																			1.8	1.3	0.9
34.0	Tab. no.: 673R-75/2068/174+8.0/05.13 HA-S 0.3*																				
36.0	Tab. no.: 673R-75/1671/174+8.0/09.13 HA-S 0.3*																				
Parts reeving	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I	0%	0%	0%	33%	33%	33%	66%	66%	66%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
II	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	66%	66%	66%	100%	100%	100%
III	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	66%	66%	66%	100%	100%	100%
The lifting capacities must be reduced with the fly boom mounted on the basic body.																					
Reduction of load [kg]	770			610			510			430			340			280			240		

673E Transport dimensions and weights



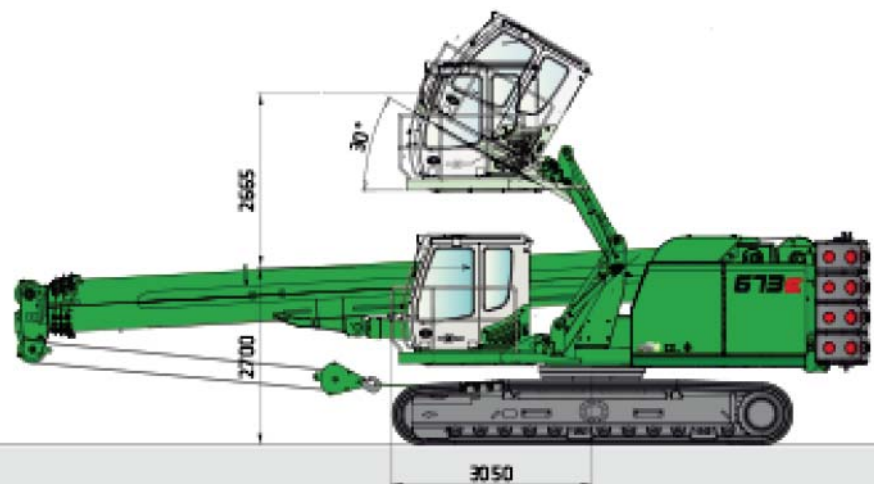
673 R with undercarriage T73/ 410 undercarriage and 700 mm 3-grouser base plates

Operating weight: approximately 69,800 kg (with 8 m fly boom, 2 hoisting winches, counterweight and undercarriage ballast)



Transport weight: approximately 45,500 kg (8 m fly boom, 2 hoisting winches, without counterweight, without undercarriage ballast)

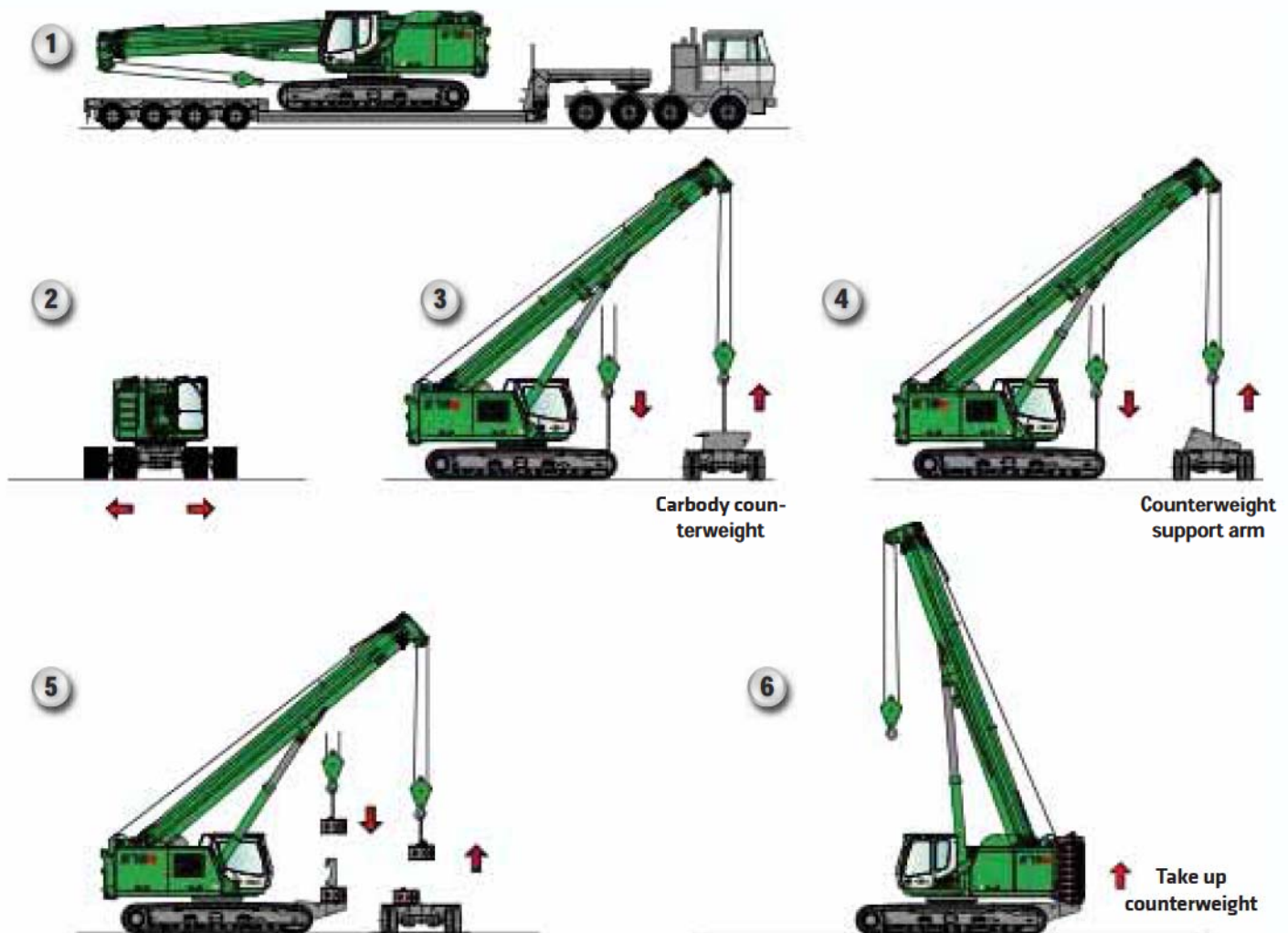
Transport weight: approximately 53,600 kg (8 m fly boom, 2 hoisting winches, with counterweight, without undercarriage ballast)



Option: 2.7 m hydraulically elevating cab E270, additional weight: approximately 1,200 kg

673E R

Self assembly system



This catalog describes machine models, the scope of equipment of individual models, and configuration possibilities (standard equipment and optional equipment) of the machines delivered by SENNEBOGEN Maschinenfabrik. Machine illustrations can contain optional equipment and supplemental equipment. Depending on the country in which the machines are delivered, deviations from the equipment are possible, particularly with regard to standard equipment and optional equipment.

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