

SENJEBOGEN

PRELIMINARY





261 kw / 268 kw



ਨ 93.5-125 ₁





MR**S**TERCEB



Mobile material handling machine



M

MACHINE TYPE

Model (type) 870

Power	261 kW/355 hp at 1,800 rpm (TIER IVf) 268 kW/364 hp at 1,500 rpm (TIER IIIa)				
Model	Cummins QSL 12-C350 Stage IV Direct injection, turbocharged, charge-air cooler, reduced emissions, EcoMode, automatic idle, auto-stop, fuel preheating				
Cooling	Water-cooled, cooler fan reversal				
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	1000 I				
DEF tank	100 l				
Electrical system	24 V				
Batteries	2 x 180 Ah, battery disconnect switch				
Options	Engine block heaterElectric fuel pump				

Design	Torsion-resistant box design, precision crafted, steel bushings for boom bearings. Extremely service-friendly design, longitudinal engine			
Central Iubrication	Automatic central lubrication for equipment and slewing gear raceway			
Electrical system	Central electrical distributor, battery disconnect switch			
Cooling system	3-circuit cooling system with high cooling output, thermostatically regulated fan drive for oil cooler and water cooler, fan reversal for cleaning			
Options	 Slewing gear brake via foot pedal 360° uppercarriage railing for additional safety LED lighting package Fire extinguisher Maritime climate varnish as corrosion protection Electric heater for hydraulic tank Low temperature package Hydraulically driven magnetic generator 15 kW/20 kW 			

HYUKA	ULIC SYSTEM		
	JDV hydraulic system, hydraulic work functions, 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. 350 bar		
Filtration	High-performance filtration with long change interval		
Hydraulic tank	900 I		
Control system	Proportional, precision hydraulic actuation of work movements, 2 hydraulic servo joysticks for the work functions, additional functions via switches and foot pedals		
Safety	Hydraulic circuits with safety valves, secured emergency lowering of the equipment at engine standstill, pipe fracture safety valves for lift cylinder and stick cylinder		
Options	 Bio-oil - environmentally friendly ToolControl for programming the pressure/rate for up to 10 tools Additional hydraulic circuit for shear attachment Load moment warning with capacity utilization indicator Overload safeguard with shutdown 60 µm pressure filter for attachments 3 µm hydraulic micro-filter - SENNEBOGEN HydroClean 		

Gearbox	Compact planetary gear with slant-axis hydraulic motor, integrated brake valves		
Parking brake	Spring-loaded multi-disk brake		
Slewing ring	External gear slewing ring with 360° protection and pinion gear lubrication		
Slewing speed	0-5 rpm, variable		



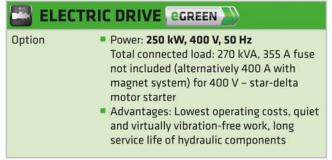


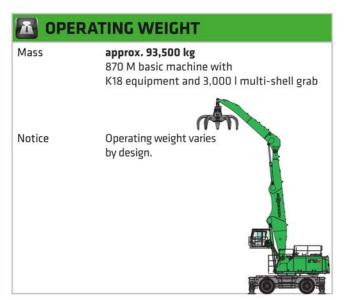


L CAB I	(CR8)			
Cab type	Hydraulically elevating cab E270			
Cab equipment	Sliding door, excellent ergonomics, automatic climate control, heated, air-suspension comfort seat, fresh/circulating air filter, joystick control, 12 V/24 V connections, SENCON			
Options	 Cab E300/260 can be elevated 300 cm and moved forward 260 mm hydraulically Auxiliary heating system with timer Active charcoal cab filter for fresh/recirculating air ideal for waste recycling applications Steering wheel with adjustable steering column Sliding window in operator door Armored glass windshield, additional safety Armored glass roof window, additional safety Safety side window and rear window Floor window for a better view Rolling shade for roof window and windshield Protective roof grating FOPS protective roof grating Protective front grating Radio and CD player with speakers Enlarged industrial cab with undivided armored glass windshield 			

Design	Decades of experience, state-of-the-art computer simulation, highest level of stability, longest service life, large-dimensioned and low-maintenance bearing points, sealed special bearing bushes, precision-crafted, quick-release couplings on the connections - open/close/rotate grapple
Cylinders	Hydraulic cylinders with high-quality sealing and guide elements, end position damping, sealed bearing points
Options	 Ball valves in the hydraulic lines for quick and easy grapple switching Maritime climate varnishing Maritime climate coating of all cylinders, nickel-plated and chrome-plated Float position of the equipment Hoisting limiter / stick limitation adjustable for stop settings, e.g. in the hall

■ UNDEF	RCARRIAGE
Design	MP80 E mobile undercarriage with integra- ted 4-point outrigger system, hydraulic lo- cking pendulum steering axle and pendulum axle cylinder with pipe fracture safety valves
Drive	All-wheel drive powered by a variable-dis- placement hydraulic motor with direct-moun- ted, automatic brake valve and 2-gear power shift transmission Planetary axles with integrated steering cylinder and dual-circuit service brake
Parking brake	Spring-loaded multi-disk brake
Tires	23.5-25, 4x
Speed	Low: 0-5.4 kph ; high: 0-10 kph
Options	 Individual outrigger control for stability on uneven ground Traction drive protection Shunting coupler

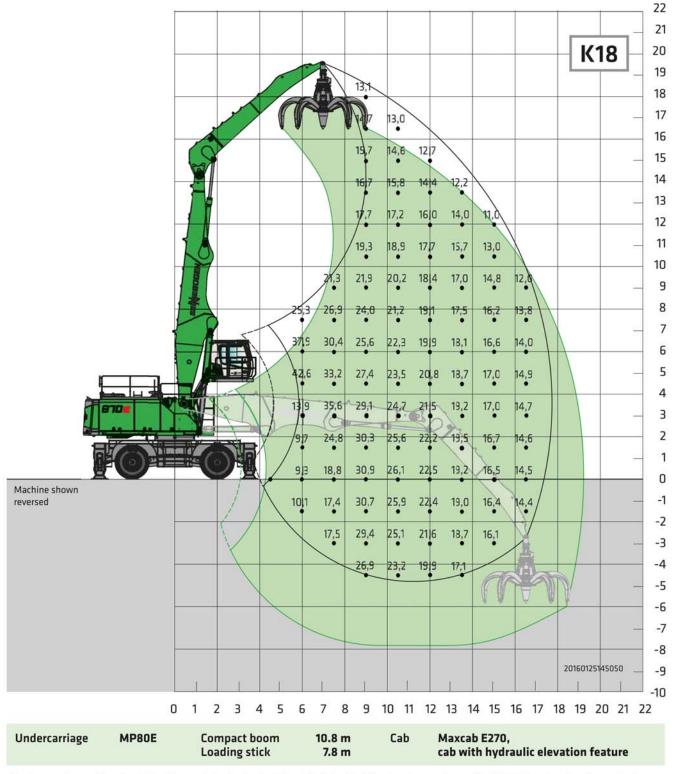




Subject to change.



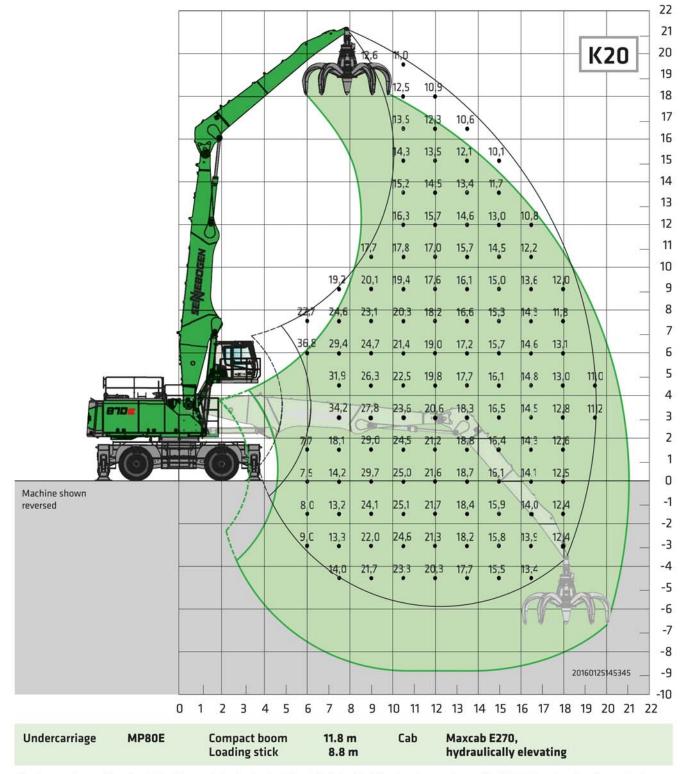






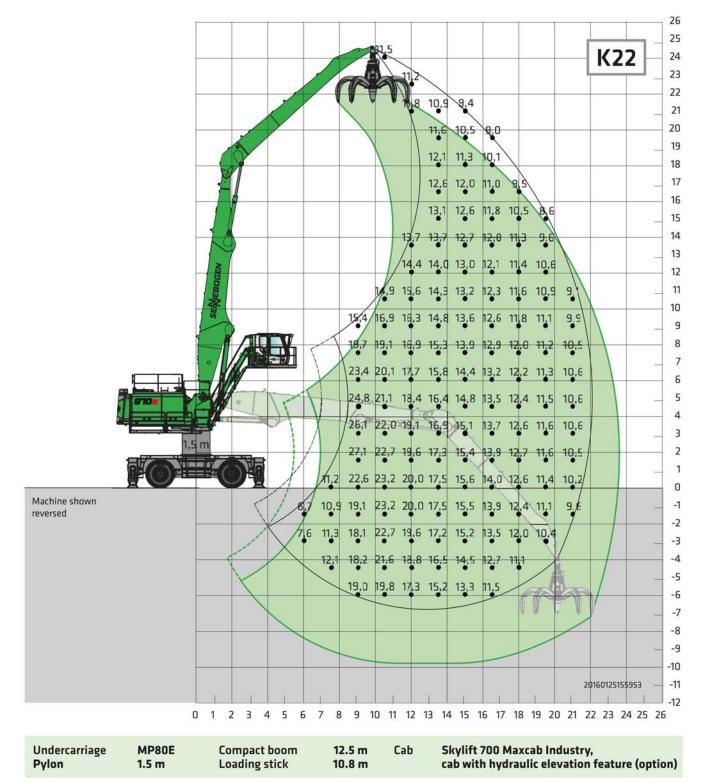








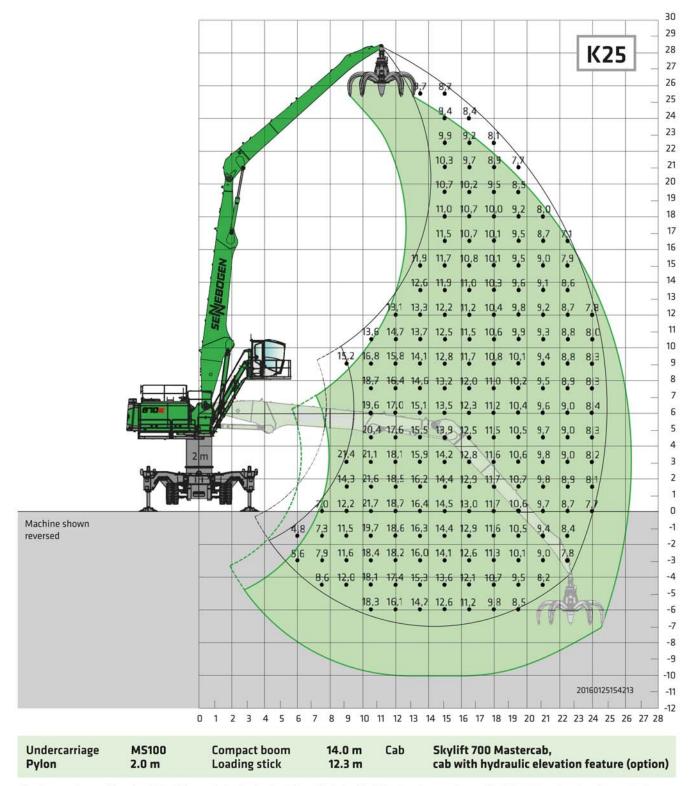






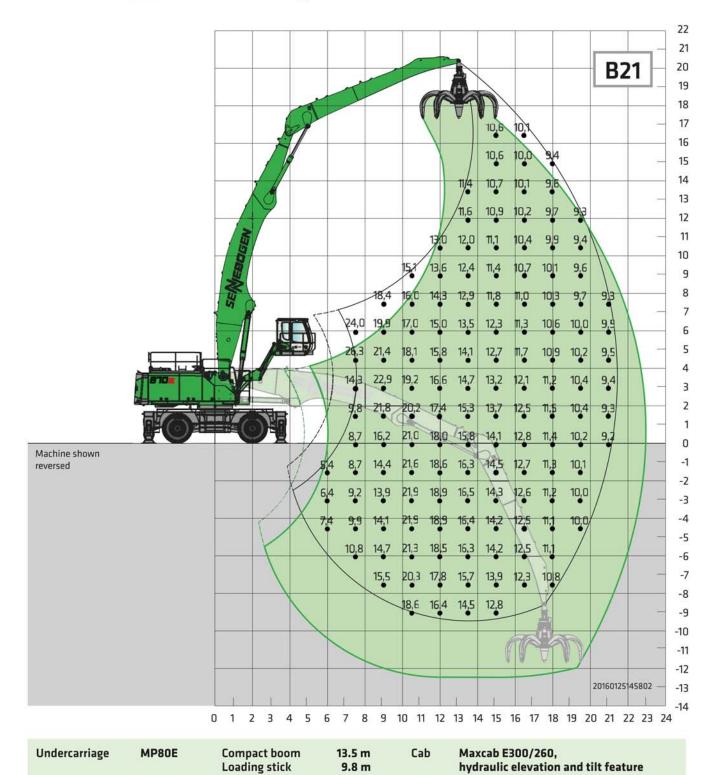








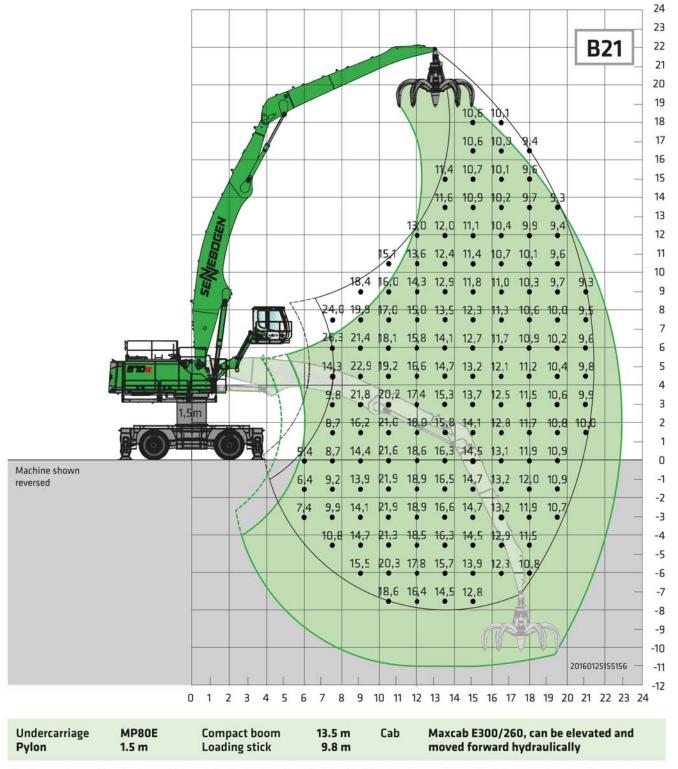






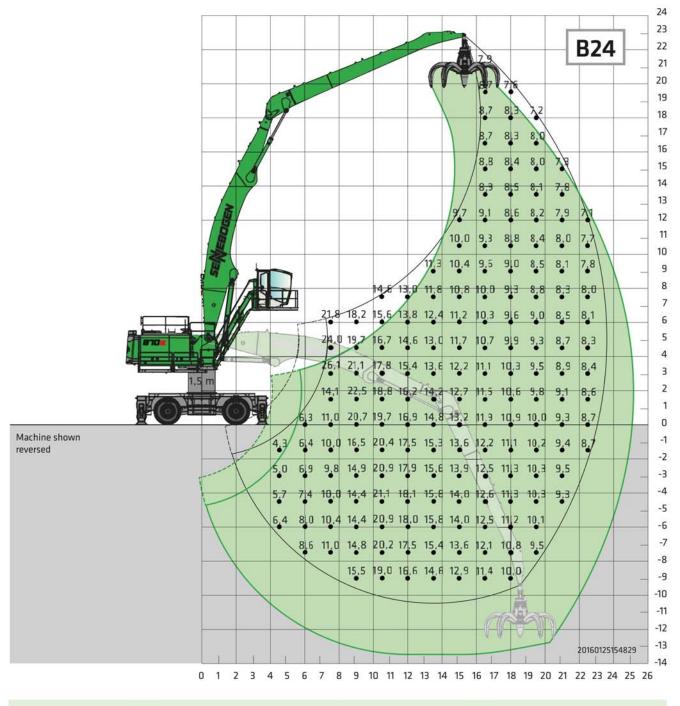












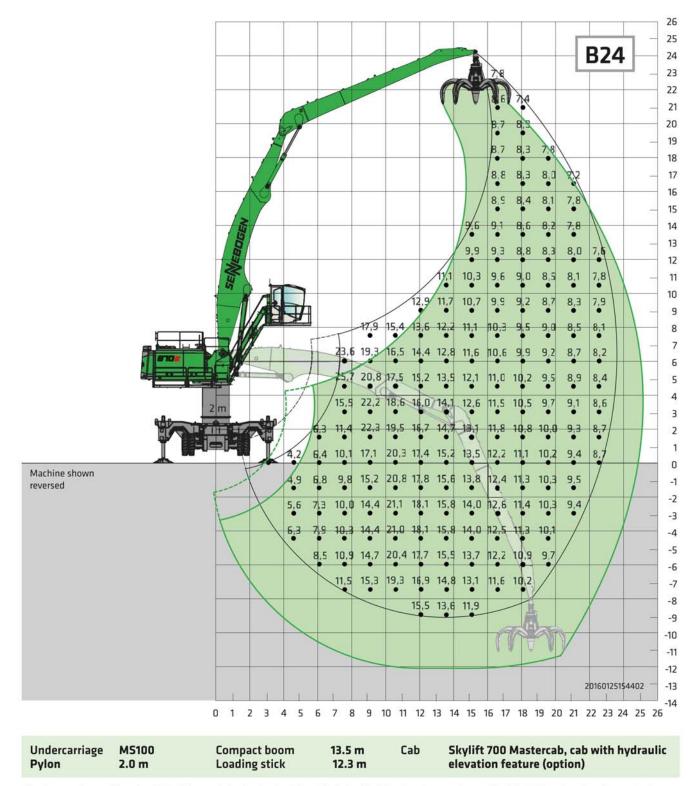
Undercarriage MP80E Compact boom 13.5 m Cab Skylift 700 Mastercab, cab with hydraulic Pylon 1.5 m Loading stick 12.3 m elevation feature (option)

All values are in tons (t) and are 75% of the static tipping load or 87% of the hydraulic lifting force in accordance with ISO 10567, and apply at the required operating temperature in the Green Hybrid system. They apply 360° on solid, level ground. Safe working loads include attachments such as multi-shell grapples, magnets, etc. According to harmonized EU standard EN 474-5, hydraulic excavators used for lifting must be equipped with pipe fracture safety devices on the hoist cylinders and an overload warning device.



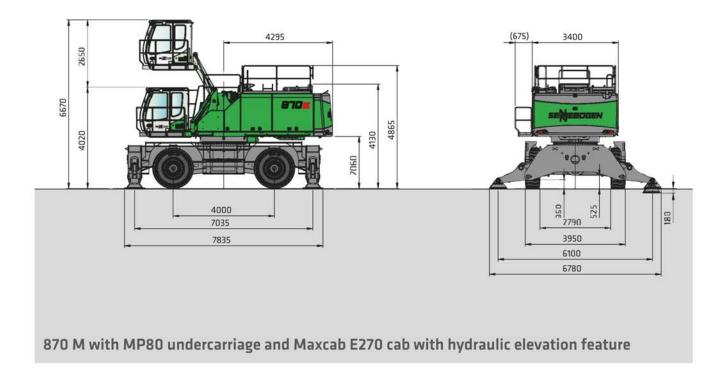














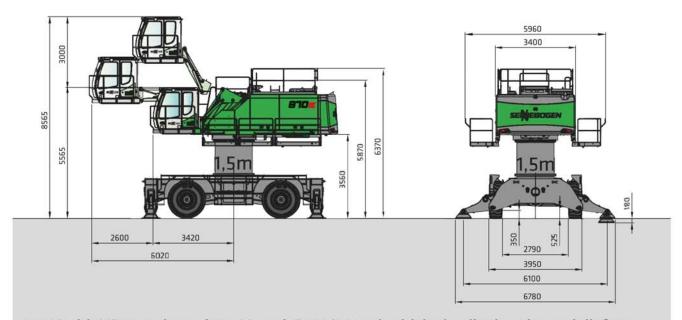
Technical features and dimensions subject to change.



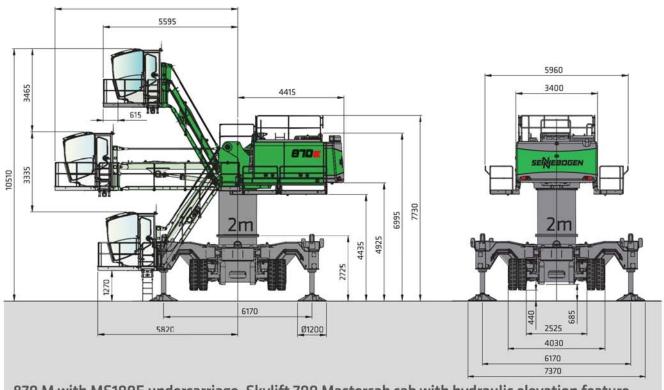
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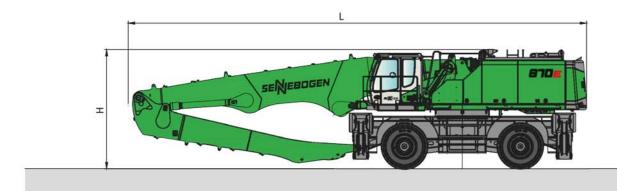
870 M with MP80 undercarriage, Maxcab E300/260 cab with hydraulic elevation and tilt feature, and 1.5 m pylon



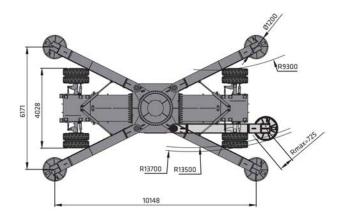
870 M with MS100E undercarriage, Skylift 700 Mastercab cab with hydraulic elevation feature, and 2.0 m pylon

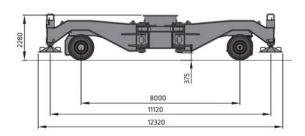






	Load boom	Grapple stick	Transport length (L)	Transport height (H)
K18	10.8 m	7.8 m	15.85 m	4.10 m
K20	11.8 m	8.8 m	16.9 m	4.10 m
21b	13.5 m	9.8 m	18.3 m	4.10 m





MS100 mobile undercarriage



M

SGM multi-shell grab (4 shells)



Design / size	Grapple capa- city	Weight ¹		Maximum
		Shell	shape	load capacity
		но	G	
SGM	1	kg	kg	t
800.50-4	800	2245	2490	10.0
1000.50-4	1000	2345	2585	
1500.50-4	1500	2475	2830	
2000.50-4	2000	2660	3075	

SGM multi-shell grab (5 shells)



Design / size	Grapple capa-	Weight ¹		Maximum
	city	Shells	shape ²	load capacity
		но	G	
SGM	1	kg	kg	t
800.50	800	2420	2610	10.0
1000.50	1000	2480	2655	
1500.50	1500	2645	2930	
2000.50	2000	2800	3160	
2500.50	2500	3130	3615	
3000.50	3000	3250	3875	
3500.50	3500	3420	4140	

Double-shell grab SGZ



Design / size	Grapple capacity	Weight ¹	Maximum load capacity
SGZ	ı	kg	t
2500.60	2500	3350	
3000.60	3000	3530	
3500.60	3500	3720	12.0
4000.60	4000	3920	

Magnetic plates



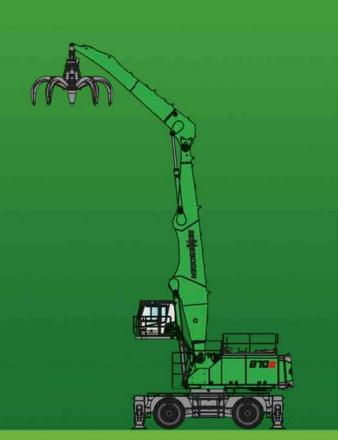
Type series / model	Power	Deadweight	Breakaway force	Load-bearing capacity in kg
woкo	kW	kg	kN	Slab (safety factor 2)
S-RLB 15	11.7	2400	380	19000
S-RLB 17	17.8	3300	640	32000
S-RLB 19	22.0	5090	790	39500

^{*)} Available upon request

Weight information without grapple suspension, stick bolts, hose system

²) Half-open shells: shell sheet steel width 400 mm, 500 mm wide for 1250 I capacity and higher





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

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