



16 t TELESCOPIC MOBILE CRANE



613 E

The compact one.

The 16 t telescopic crawler crane is a compact construction site crane that can be used in a wide range of ways. Its powerful Full Power Boom, manageable dimensions and excellent off-road mobility mean that it will quickly become the most important tool on your construction site.

This all-rounder impresses with sophisticated technology and masterful interplay. The ultra modern engine and exhaust system, the precise controls, and the powerful work hydraulics ensure maximum performance and a wide range of possible applications.

Maintenance & Service

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

Ultimate ease of use

With a sound-proofed, flexibly mounted, elevating comfort MultiCab.

Fast on site and ready for use

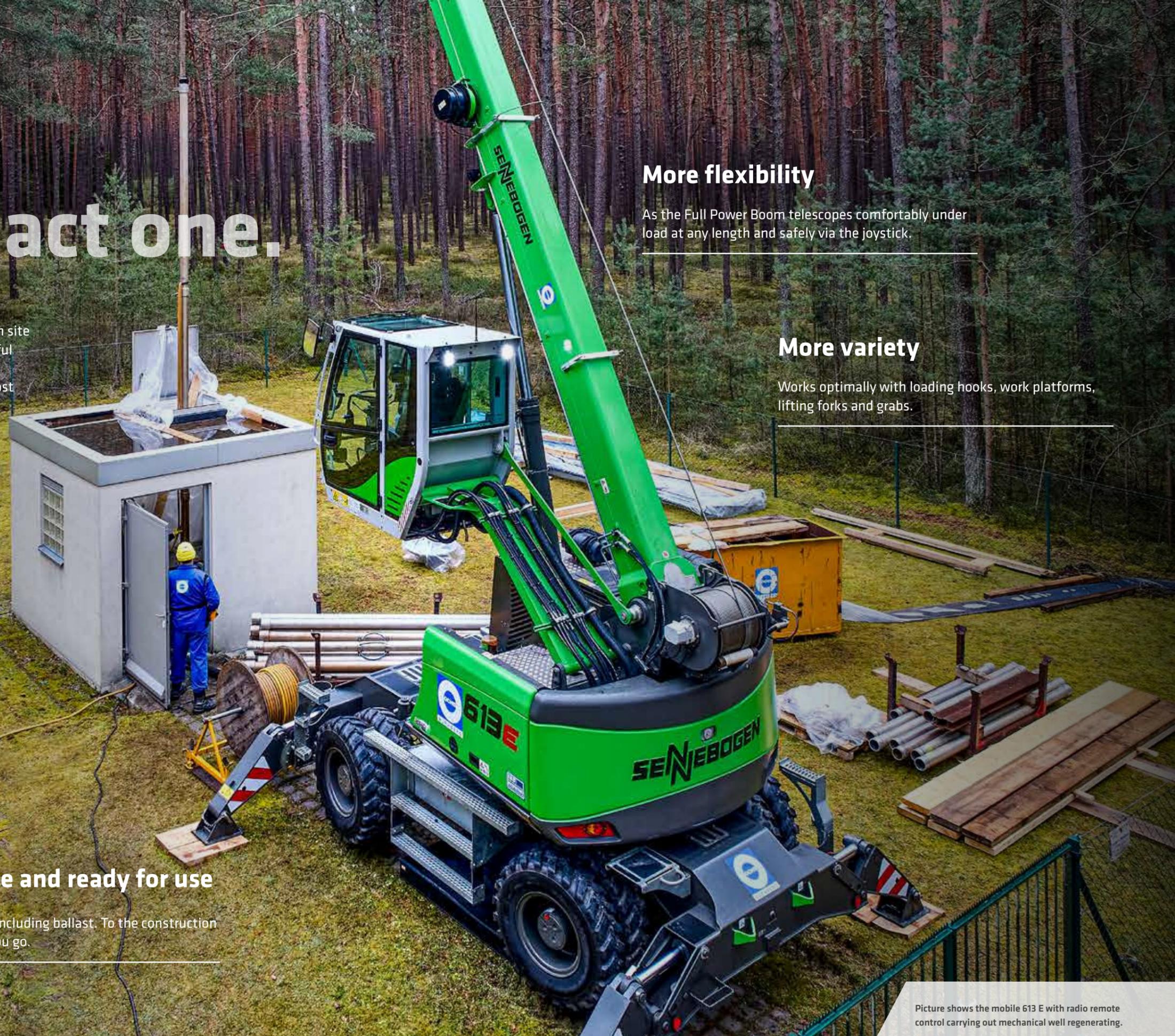
Easy to transport, including ballast. To the construction site, unload - off you go.

More flexibility

As the Full Power Boom telescopes comfortably under load at any length and safely via the joystick.

More variety

Works optimally with loading hooks, work platforms, lifting forks and grabs.



Picture shows the mobile 613 E with radio remote control carrying out mechanical well regenerating.

Advanced. The E Series



LONG SERVICE LIFE, HIGH VALUE RETENTION

- Reliable and powerful thanks to its robust construction and high-quality components

SOPHISTICATED, STATE-OF-THE-ART TECHNOLOGY

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

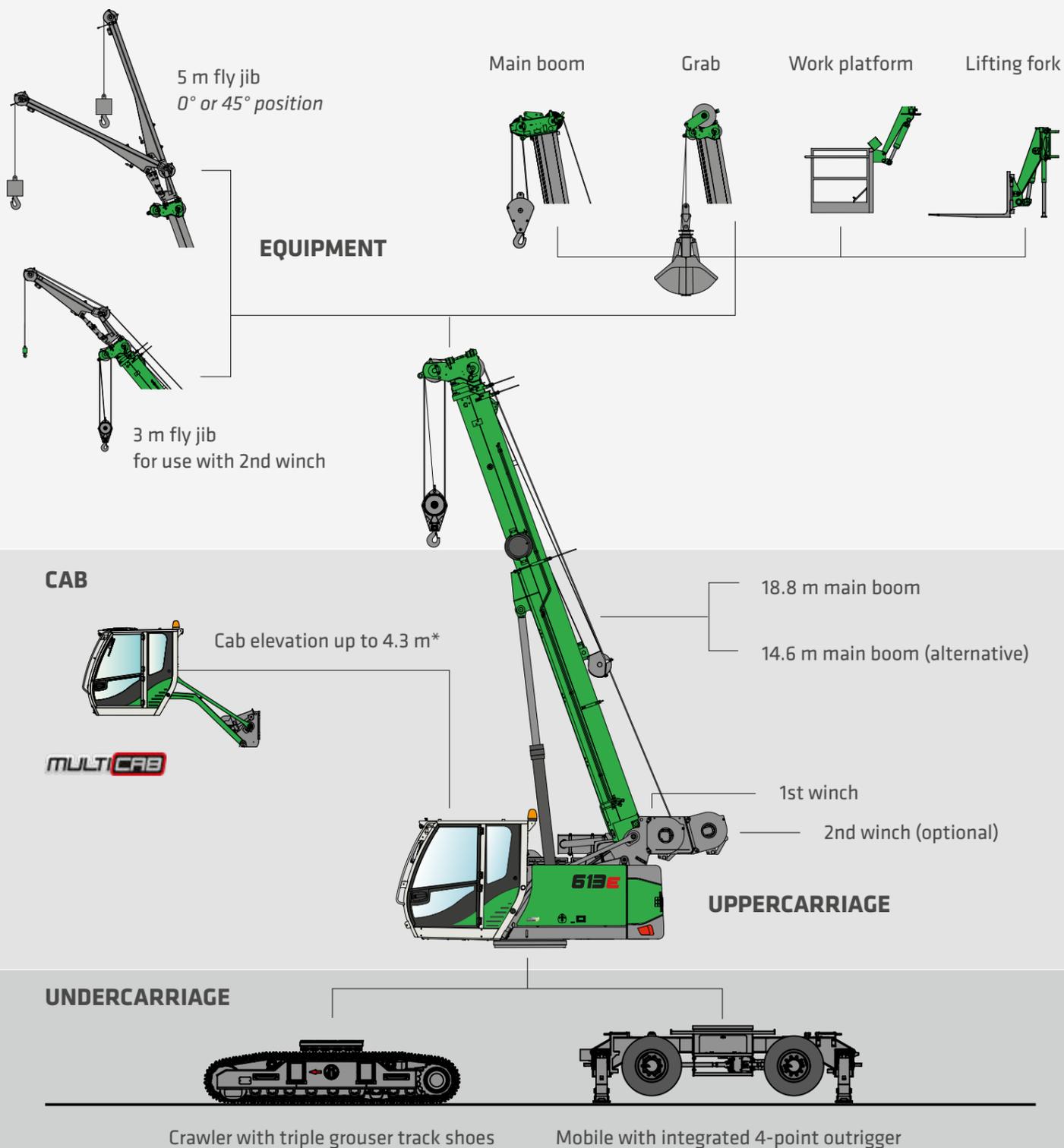
SIMPLE TO MAINTAIN AND SERVICE

- 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. NUMEROUS APPLICATIONS.

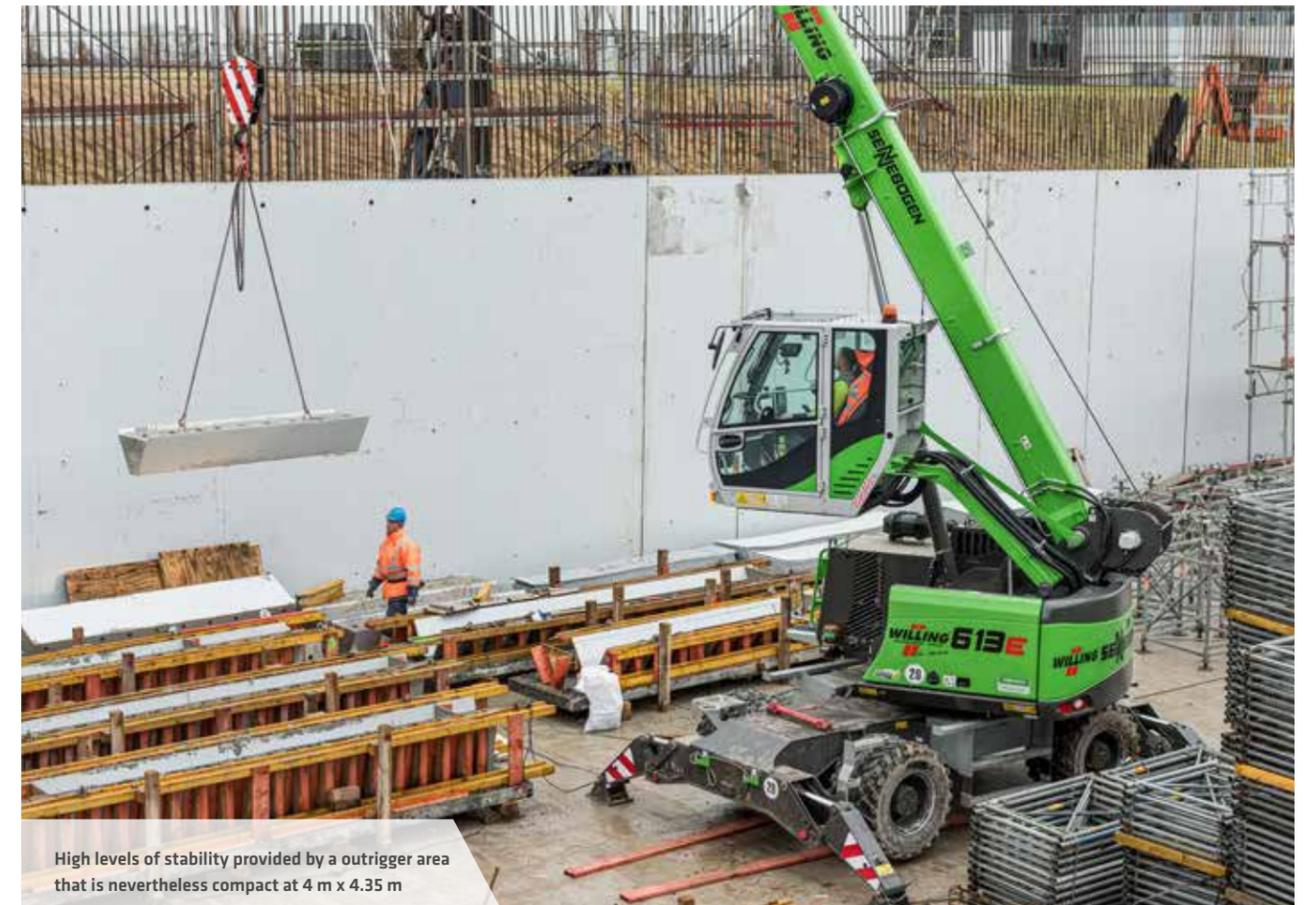




Pick & Carry
5.4 t
 with 4.0 m
 reach

COMPACT AND STRONG.
WITH MAXIMUM FLEXIBILITY.

- Pick & Carry: lifting and moving loads
- Excellent maneuverability even on narrow construction sites thanks to its small turning circle with crawler tracks
- Ideal overview whilst operating thanks to the elevated cab position
- Numerous equipment options: work platform, lifting fork, hydraulic grab, and operation by radio remote control



High levels of stability provided by a outrigger area that is nevertheless compact at 4 m x 4.35 m



Extensive mobility including off-road capability: all-wheel drive, single or twin axle steering and crab steering



BETTER VIEW. BETTER SAFETY. BETTER ELEVATION.

The elevating cab and an eye level of around 4.30 m (!) means improved safety levels when lifting, moving and setting down loads.

A good view of all obstacles

The ideal cab and view height whilst operating means having a perfect view of all the obstacles on the construction site.

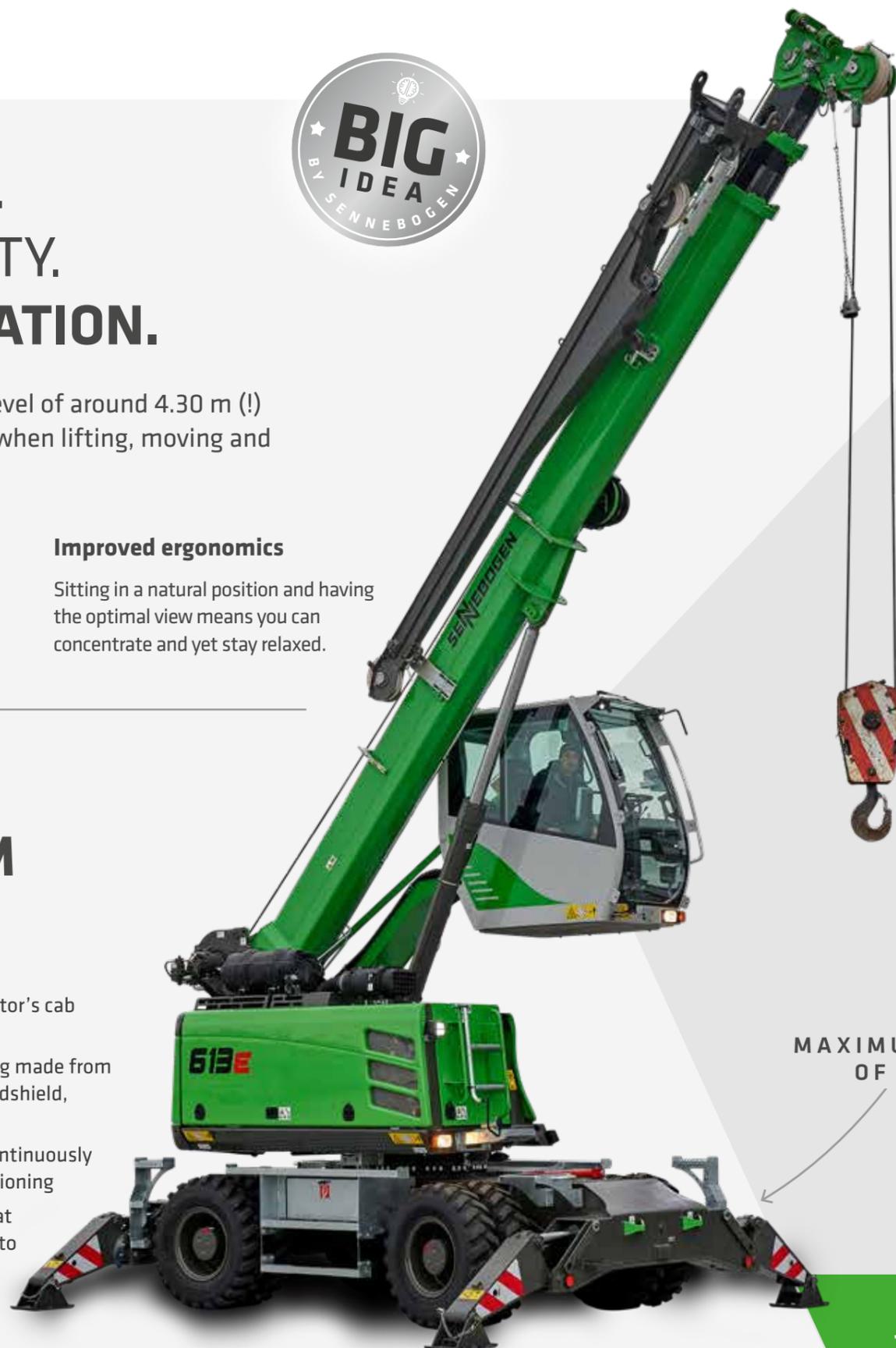
Improved ergonomics

Sitting in a natural position and having the optimal view means you can concentrate and yet stay relaxed.

MULTI CAB

THE PREMIUM CAB.

- Flexibly mounted, comfortable operator's cab with super sound-proofing
- Panoramic view with all-round glazing made from safety glass, with curved, hinged windshield, large roof window and rear window
- Optimal interior climate thanks to continuously adjustable cab heating and air conditioning
- Air-suspension comfort seat with seat heater, vibration damper, adjustable to any weight
- Ergonomic set up, resonant controls
- Radio with Bluetooth®



MAXIMUM ANGLE OF VIEW



PANORAMIC VIEW

up to **4.3 m**
viewing height

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
- Easy to use thanks to the optimized design of buttons and switches



EASY TO TRANSPORT. READY FOR USE QUICKLY.

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

With a transport width of just 2.55 m, the 613 E fits easily on any standard low-loader. This means a transport license is not required and significantly reduces the costs involved.



Easy

Thanks to its low weight of less than 20 t, the machine can be transported in its fully assembled mode. Even entering of downtown sites is hassle free.



Quick

Once it reaches the construction site, the machine is ready to use as soon as it has been unloaded.

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 faster.

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 your own machine.



A central electrical distributor simplifies the clearly arranged standard components for the controls and troubleshooting.

TECHNICAL DATA, EQUIPMENT

MACHINE TYPE

MODEL (TYPE) 613 Mobile

ENGINE

TYPE	Stage V: F3.8 FR95683 Rated power: 100 kW / 2200 rpm Operating point standard: 100 kW / 2200 rpm Operating point ECO: 99 kW / 2000 rpm Stage IIIa: Available on request both: Direct injection, turbocharged, charge air cooling, reduced emissions
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	200 l
DEF TANK	30 l
ELECTRICAL SYSTEM	24 V
BATTERIES	2 x 155 Ah
OPTIONS	Low temperature package with engine preheating and reinforced batteries Electric fuel pump

UPPERCARRIAGE

DESIGN	Torsion-resistant box design, precision crafted, steel bushings for boom mountings. Service-friendly design, engine installed in the longitudinal direction
ELECTRICAL SYSTEM	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	Camera monitoring of the area to the rear and the right side
OPTIONS	Additional LED headlights 2 flashing lights at the rear Additional cameras Sea climate resistant coating as corrosion protection Customized paint finish Low temperature package Automatic central lubrication for boom attachment point, luffing cylinder and live ring track Pinion tooth lubrication



Optional customized paint finish



Optional additional LED headlights

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.

FLOW RATE	up to 200 l / min
OPERATING PRESSURE	up to 330 bar
FILTRATION	High-performance filtration with long change interval
HYDRAULIC TANK	180 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	Hydraulic circuits with safety valves Pipe-fracture safety valves for luffing cylinder and telescopic cylinder
OPTIONS	Bio-oil filling SENNEBOGEN HydroClean micro-filter system (3 µm) with water separator Hydraulic tank preheating

CAB

MULTICAB

CAB TYPE	Multicab, 1.75 m elevation
CAB EQUIPMENT	Hydraulically elevating cab as standard across the series. Comfortable operator's cab, flexibly mounted with super sound-proofing. All-weather version, all-round glazing made from safety glass and a large skylight, opening windshield. Flexibly mounted comfort seat, weight adjustable and with vibration damper. Clear dashboard with swivel-mounted steering column. Continuously adjustable cab heating with air circulation control and particle filter, automatic air conditioning
OPTIONS	Auxiliary heating system with timer FOPS protective front grating Protective roof grating FOPS protective roof grating Glazing in bulletproof glass Radio with USB and SD connections, MP3 and Bluetooth® functions



Optional protective roof grating

ROTARY DRIVE / ROTOR

GEARBOX	Compact planetary gear with bent-axis hydraulic engine, integrated brake valves
SWING BEARING BRAKE	Spring-loaded multi-disk brake
SLEWING RING	Large-scale, externally geared 1-row slewing ring
SLEWING SPEED	0-2 min-1, variable

TECHNICAL DATA, EQUIPMENT



Optional radio remote control



Optional hydraulic grab



Optional fly jib

EQUIPMENT 	
BOOM	3-part with pulley head, hydraulic telescopic extension from 14.6 to 18.8 m, adjustment speed -12° to 70° in approx. 35 seconds
SAFETY BRAKE	Spring-loaded multi-disk brake
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	<p>Fly boom 5 m folding jib, load capacity 4 t, tiltable by 45°, easy to set up without additional equipment, can be bolted to basic boom when not in use</p> <p>3 m folding jib in combination with 2nd hoist winch, load capacity 4 t, tiltable by 20° / 45°, easy to set up without additional equipment, can be bolted to basic boom when not in use</p> <p>Lifting fork</p> <p>Aerial work platform</p> <p>Special paint finish</p> <p>Emergency unit</p> <p>Radio remote control</p> <p>Programmable working limit</p> <p>Grab equipment with clamshell grab, 600 l</p> <p>Additional load charts accepted for 2°/4° incline position</p>

TECHNICAL DATA, EQUIPMENT

UNDERCARRIAGE 	
DESIGN	Mobile undercarriage, torsion resistant and precision crafted, with integrated 4-point outrigger
DRIVE	All-wheel drive and steering, travel drive with 2 stage powershift transmission, automatic pendulum axles with 4° pendulum angle, manually lockable, strong traction and driving dynamic
PARKING BRAKE	Spring-loaded multi-disk brake
TIRES	8x 10.000-20 tires
SPEED	0 - 8 km/h on site 0 - 20 km/h with StVZO [Road Traffic Licensing Regulation] approval
OPTIONS	<p>Wider tires available on request with increased vehicle width of 2.75 m</p> <p>Shunting coupler</p>

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 gear, low-maintenance. Holding brakes are spring-loaded, maintenance-free, low-wear multi-disk brakes operating in oil bath, oil-cooled
	35 kN tensile force (3rd position), cable speed 95 m/min., cable diameter 14 mm, max. cable length 80 m
OPTIONS	2nd crane winch: 35 kN tensile force (3rd position), cable speed 95 m/min., cable diameter 14 mm, max. cable length 160 m



Optional 2nd crane winch

OPERATING WEIGHT 	
MASS	approx. 19,700 t with 18.8 m telescopic boom, 5 m fly boom, 10.5 t hook, 80 m hoist cable, 4.1 t ballast, 3.5 t winches
NOTE	Operating weight varies by model and equipment. Subject to technical changes!



TECHNICAL DATA, EQUIPMENT

TECHNICAL DATA, EQUIPMENT

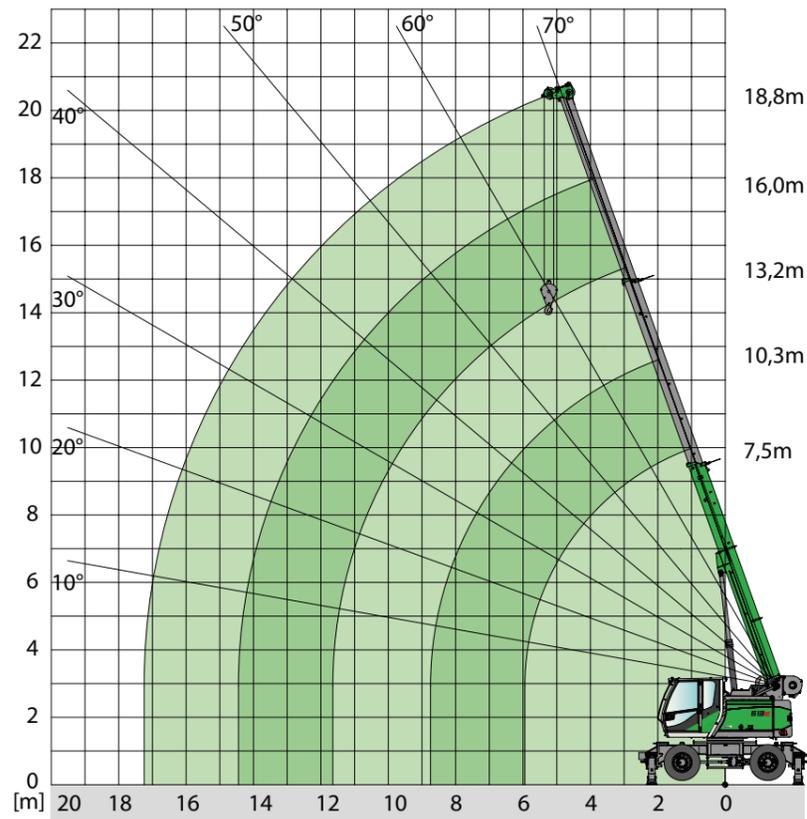
CRANE EQUIPMENT

 **MAIN BOOM**
HA 18.8 m

 **DIN ISO**  **360°**

Notes:

1. The specified load ratings given apply when the machine is on a firm and level surface.
2. The load ratings are given in tons and apply for a 360° swing angle. The load ratings apply to the 613 M with deployed outriggers, the load ratings in brackets () apply when it is freestanding on tires.
3. The load ratings take the DIN 15019.2 and ISO 4305 standards into account.
4. The weight of the load handling equipment (hooks, suspension gear) should be deducted from the load capacities.
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 a cable diameter of 14 mm is 3,500 kg.
7. Load capacities marked with a * only apply with specific equipment.
8. The load ratings given are for reference only. Please refer to the tables in the operating instructions for the relevant applicable load ratings.



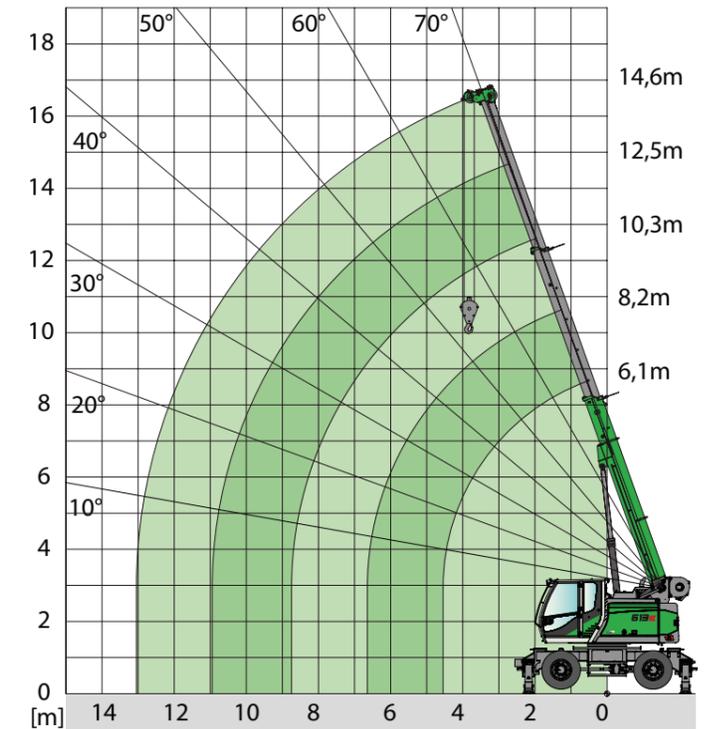
REACH [m]	BOOM LENGTH [m]				
	7.5	10.3	13.2	16.0	18.8
2.0	15.0 (12.0)				
3.0	13.3 (8.3)	10.0 (8.4)			
4.0	10.6 (5.3)	10.0 (5.3)	8.0 (5.4)		
4.5	10.0 (4.5)	9.3 (4.5)	8.0 (4.5)		
5.0	8.5 (3.7)	8.6 (3.8)	8.0 (3.8)	6.0 (3.9)	
5.5	7.5 (3.2)	7.6 (3.4)	7.4 (3.4)	6.0 (3.4)	4.5 (3.4)
6.0	5.7 (2.9) / 6.0 m	6.7 (2.9)	6.7 (2.9)	5.9 (2.9)	4.5 (2.9)
7.0		5.2 (2.3)	5.3 (2.3)	5.2 (2.3)	4.5 (2.3)
8.0		4.2 (1.8)	4.3 (1.8)	4.3 (1.8)	4.1 (1.9)
9.0		3.6 (1.5) / 8.8 m	3.5 (1.5)	3.6 (1.5)	3.6 (1.5)
10.0			3.0 (1.2)	3.0 (1.2)	3.0 (1.2)
11.0			2.6 (1.0)	2.6 (1.0)	2.6 (1.0)
12.0			2.4 (0.9) / 11.6 m	2.2 (0.8)	2.3 (0.8)
13.0				2.0 (0.7)	2.0 (0.7)
14.0				1.7 (0.6)	1.7 (0.6)
15.0				1.6 (-) / 14.4 m	1.5
16.0					1.3
17.0					1.1 / 17.3

Tab. no.: 613M18.8/75/2000/41/08.06 Boom (supported)
Tab. no.: 613M18.8/75/2000/41/08.06 Boom (freestanding)
Tab. no.: 613M-18.8/75/2000/41/11.20 Boom (supported)

CRANE EQUIPMENT

 **MAIN BOOM**
HA 14.6 m

 **DIN ISO**  **360°**



REACH [m]	BOOM LENGTH [m]				
	6.1	8.2	10.3	12.5	14.6
2.0	16.0 (12.0)	13.0 (12.0)			
3.0	13.5 (8.3)	13.0 (8.3)	11.0 (8.4)		
4.0	10.8 (5.3)	10.9 (5.4)	10.5 (5.4)	8.3 (5.4)	6.5 (5.4)
4.5	9.6 (4.4)	9.8 (4.6)	9.6 (4.6)	7.8 (4.6)	6.3 (4.6)
5.0		8.7 (3.9)	8.7 (3.9)	7.2 (3.9)	6.1 (3.9)
6.0		6.8 (2.9)	6.8 (3.0)	6.3 (3.0)	5.3 (3.0)
7.0		5.1 (2.5) / 6.7 m	5.3 (2.4)	5.4 (2.4)	4.6 (2.4)
8.0			4.3 (1.9)	4.4 (1.9)	4.1 (2.0)
9.0			2.7 (1.6) / 8.8 m	3.7 (1.6)	3.7 (1.6)
10.0				3.1 (1.3)	3.1 (1.4)
11.0				2.7 (1.1) / 10.9 m	2.7 (1.1)
12.0					2.3 (1.0)
13.0					2.1 (0.8)

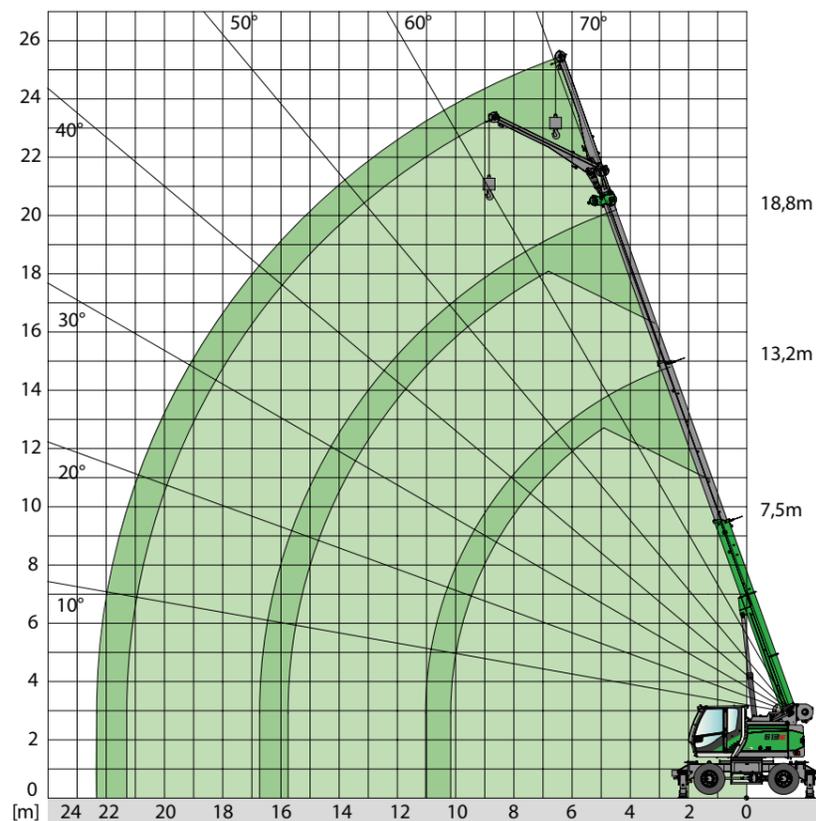
Tab. no.: 613M-14.6/75/2000/41/08.06 Boom (supported)
Tab. no.: 613M-14.6/75/960/41/08.06 Boom (freestanding)

 **HOOK**

CAPACITY [t]	WEIGHT [kg]	CABLE REEVING AND MAX. LOAD CAPACITY					
		5	4	3	2	1	
17.5 t (2-roll)	180 kg	17,500 kg	14,000 kg	10,500 kg	7,000 kg	3,500 kg	for main boom
10.5 t (1-roll)	100 kg			10,500 kg	7,000 kg	3,500 kg	for main boom
4 t	40 kg					3,500 kg	for fly boom

CRANE EQUIPMENT

-  FLY JIB
SA 5.0 m
-  HA 18.8 m
-  DIN ISO
-  360°

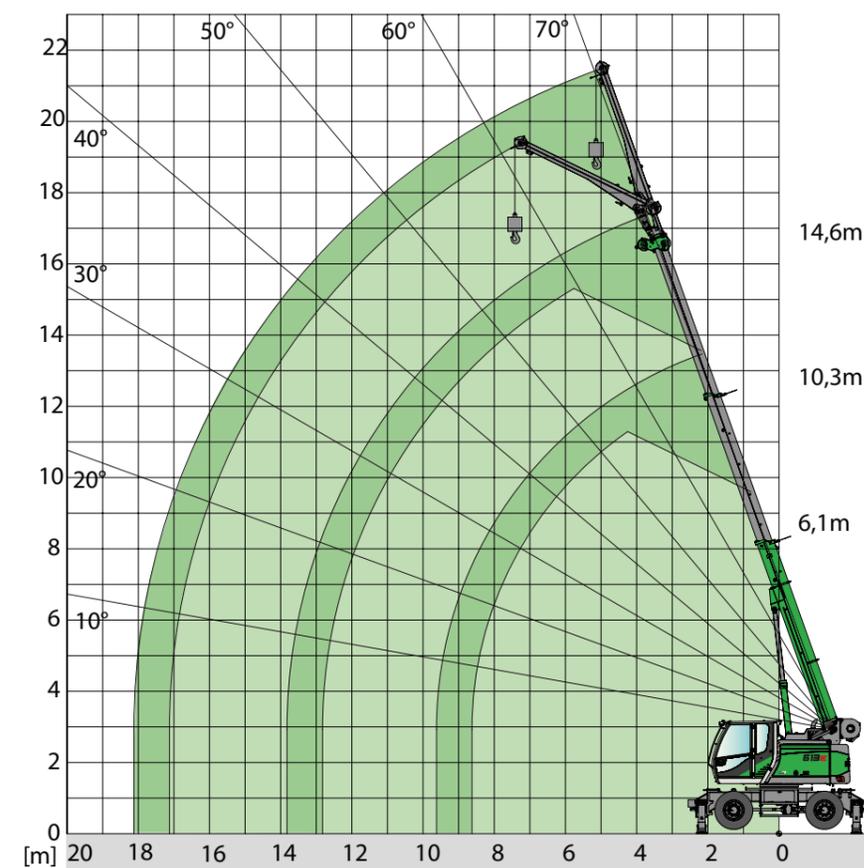


REACH [m]	TELESCOPIC BOOM LENGTH [m]									
	7.5		10.3		13.2		16.0		18.8	
	0°	45°	0°	45°	0°	45°	0°	45°	0°	45°
4.0	3.8 (3.8)		4.4 (4.4)							
5.0	3.3 (3.3)		3.8 (3.8)		4.2 (4.0)					
6.0	2.9 (2.9)	2.0 (2.0)	3.3 (3.1)		3.8 (3.0)		3.8 (3.0)			
7.0	2.5 (2.5)	1.9 (1.9)	3.1 (2.4)	2.0 (2.0)	3.4 (2.4)		3.5 (2.3)		2.7 (2.3)	
8.0	2.2 (2.1)	1.9 (1.9)	2.8 (2.0)	2.0 (2.0)	3.1 (1.9)	2.0 (1.9)	3.2 (1.9)		2.7 (1.8)	
9.0	2.0 (1.7)	1.8 (1.7)	2.5 (1.6)	1.9 (1.6)	2.8 (1.5)	2.0 (1.5)	2.9 (1.5)	1.9 (1.5)	2.6 (1.5)	
10.0	1.9 (1.4)		2.2 (1.3)	1.9 (1.3)	2.5 (1.3)	1.9 (1.3)	2.6 (1.2)	1.9 (1.2)	2.4 (1.2)	1.9 (1.2)
11.0			2.0 (1.1)	1.8 (1.1)	2.3 (1.0)	1.9 (1.0)	2.4 (1.0)	1.9 (1.0)	2.2 (0.9)	1.9 (0.9)
12.0			1.8 (0.9)		2.2 (0.8)	1.8 (0.8)	2.2 (0.8)	1.9 (0.8)	2.0 (0.8)	1.9 (0.8)
13.0			1.8 (0.7)		2.0 (0.7)	1.8 (0.7)	2.0 (0.6)	1.8 (0.6)	1.9 (0.6)	1.8 (0.6)
14.0					1.7 (0.6)		1.7 (0.5)	1.7 (0.5)	1.7	1.7
15.0					1.5		1.5	1.5	1.4	1.4
16.0					1.4		1.3	1.3	1.3	1.3
17.0							1.1	1.1	1.1	1.1
18.0							1.0	1.0	1.0	1.0
19.0								0.9	0.9	0.9
20.0								0.7	0.7	0.7

Tab. no.: 613M-18.8/75/2000/41/08.065A5
Tab. no.: 613M-18.8/75/960/41/08.065A5

CRANE EQUIPMENT

-  FLY JIB
SA 5.0 m
-  HA 14.6 m
-  360°
-  DIN ISO



REACH [m]	TELESCOPIC BOOM LENGTH [m]									
	6.1		8.2		10.3		12.5		14.6	
	0°	45°	0°	45°	0°	45°	0°	45°	0°	45°
3.0	4.2 (4.2)									
4.0	3.5 (3.5)		4.0 (4.0)							
5.0	3.0 (3.0)		3.5 (3.5)		3.7 (3.7)		4.0 (4.0)			
6.0	2.6 (2.6)	1.9 (1.9)	3.0 (3.0)	2.0 (2.0)	3.4 (3.1)		3.6 (3.0)		3.5 (3.0)	
7.0	2.2 (2.2)	1.9 (1.9)	2.7 (2.5)	2.0 (2.0)	3.0 (2.4)	2.0 (2.0)	3.3 (2.4)		3.4 (2.4)	
8.0	1.9 (1.9)	1.8 (1.8)	2.4 (2.0)	1.9 (1.9)	2.7 (2.0)	2.0 (2.0)	3.0 (1.9)	2.0 (1.9)	3.0 (1.9)	
9.0	1.8 (1.7)		2.1 (1.7)	1.8 (1.7)	2.5 (1.6)	1.9 (1.6)	2.8 (1.6)	1.9 (1.6)	2.7 (1.6)	2.0 (1.6)
10.0			1.9 (1.4)		2.2 (1.3)	1.9 (1.3)	2.5 (1.3)	1.9 (1.3)	2.5 (1.3)	1.9 (1.3)
11.0			1.8 (1.2)		2.0 (1.1)	1.8 (1.1)	2.3 (1.1)	1.9 (1.1)	2.2 (1.1)	1.9 (1.1)
12.0					1.8 (0.9)		2.0 (0.9)	1.8 (0.9)	2.0 (0.9)	1.9 (0.9)
13.0					1.8 (0.8)		1.9 (0.8)		1.9 (0.7)	1.8 (0.7)
14.0							1.7 (0.6)		1.8 (0.6)	1.8 (0.6)
15.0							1.6 (0.5)		1.6 (0.5)	
16.0									1.4	

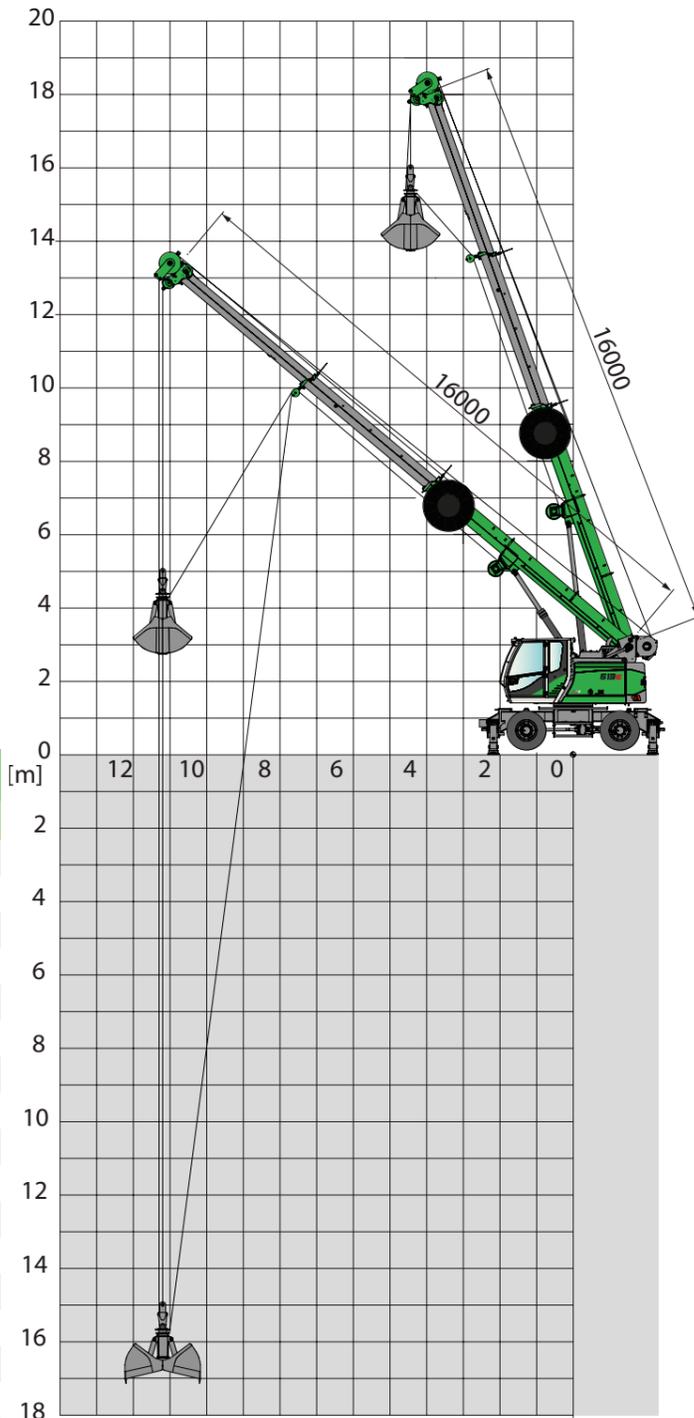
Tab. no.: 613M-14.6/75/2000/41/08.065A5
Tab. no.: 613M-14.6/75/960/41/08.065A5

GRAB EQUIPMENT

 **MAIN BOOM**
HA 18.8 m

 **DIN ISO**  **360°**

- Notes:**
1. The load ratings given apply when the machine is on a firm and level surface.
 2. The load ratings are given in tons and apply for a 360° swing angle. The load ratings apply to the 613 M with deployed outriggers.
 3. The load ratings take the DIN 15019.2 and ISO 4305 standards into account.

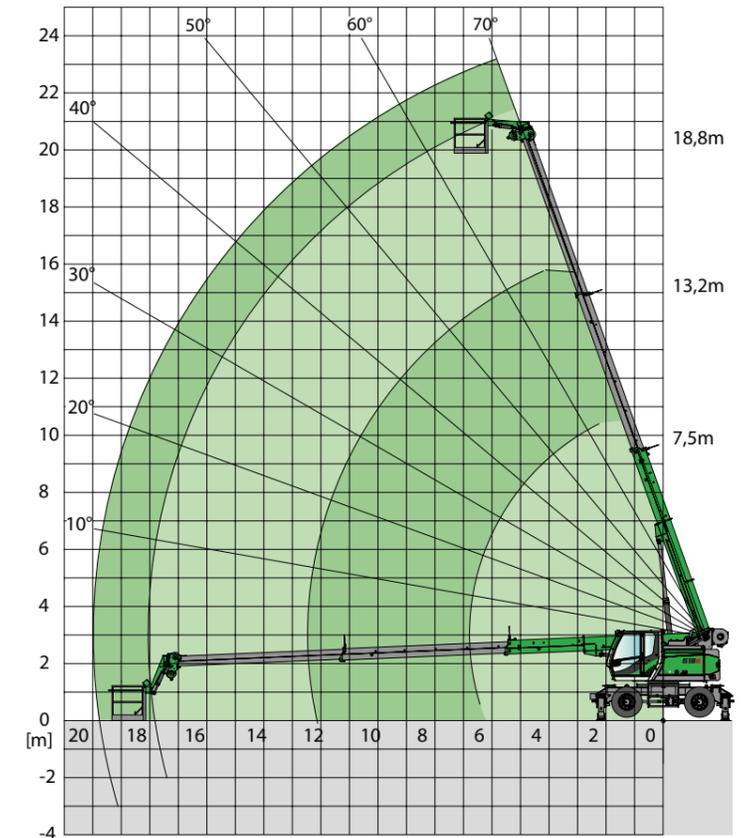


WORK PLATFORM

 **WORK PLATFORM**
HA 18.8 m

 **DIN ISO**  **360°**

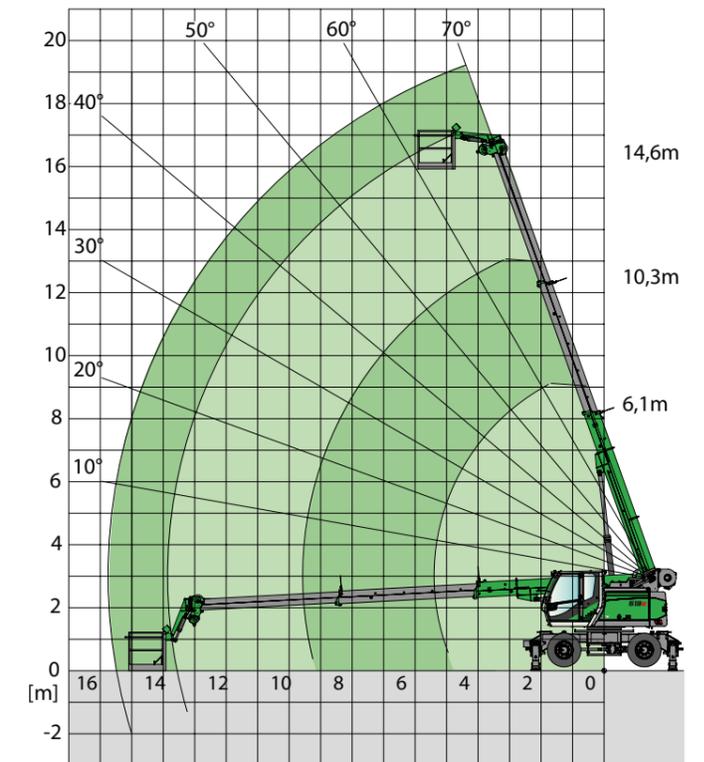
The approved payload for the work platform is 350 kg:
2 people at 80 kg
+ 190 kg additional load.



 **WORK PLATFORM**
HA 14.6 m

 **DIN ISO**  **360°**

The approved payload for the work platform is 350 kg:
2 people at 80 kg
+ 190 kg additional load.



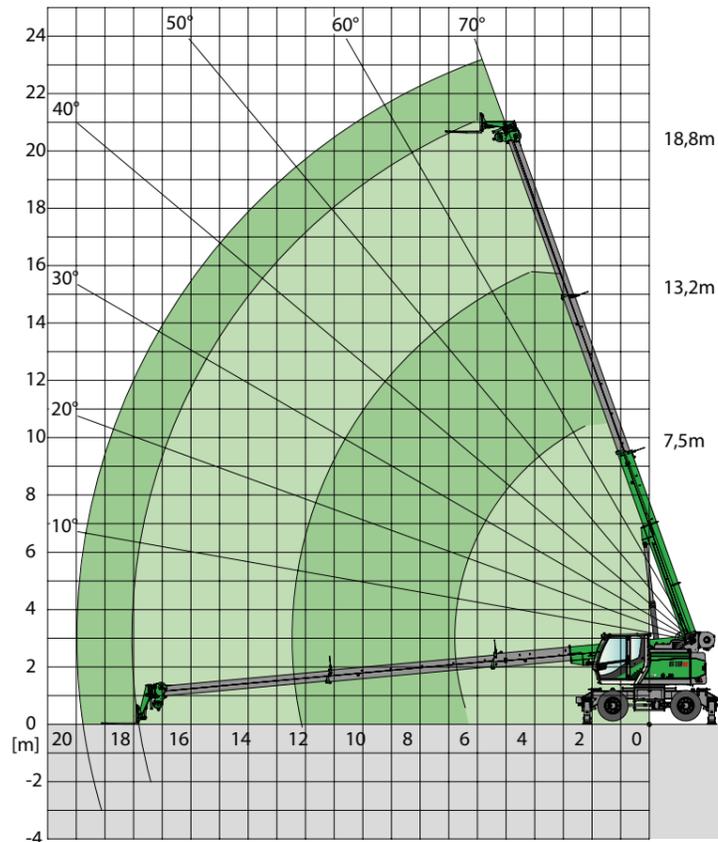
LIFTING FORK ATTACHMENT

 **LIFTING FORK 7.5 - 18.8 m**

DIN ISO 

Notes:

1. The load ratings given apply when the machine is on a firm and level surface.
2. The load ratings are given in tons and apply for a 360° swing angle.
3. The load ratings take the DIN 15019.2 and ISO 4305 standards into account.
4. The load ratings apply to loads placed centrally on the lifting fork with the center of gravity 500 mm from the fork carriage.
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. The load ratings apply to the machine when it is supported.
7. The load capacities in brackets () apply to the machine when it is freestanding.
8. The load ratings given are for reference only. Please refer to the tables in the operating instructions for the relevant applicable load ratings.



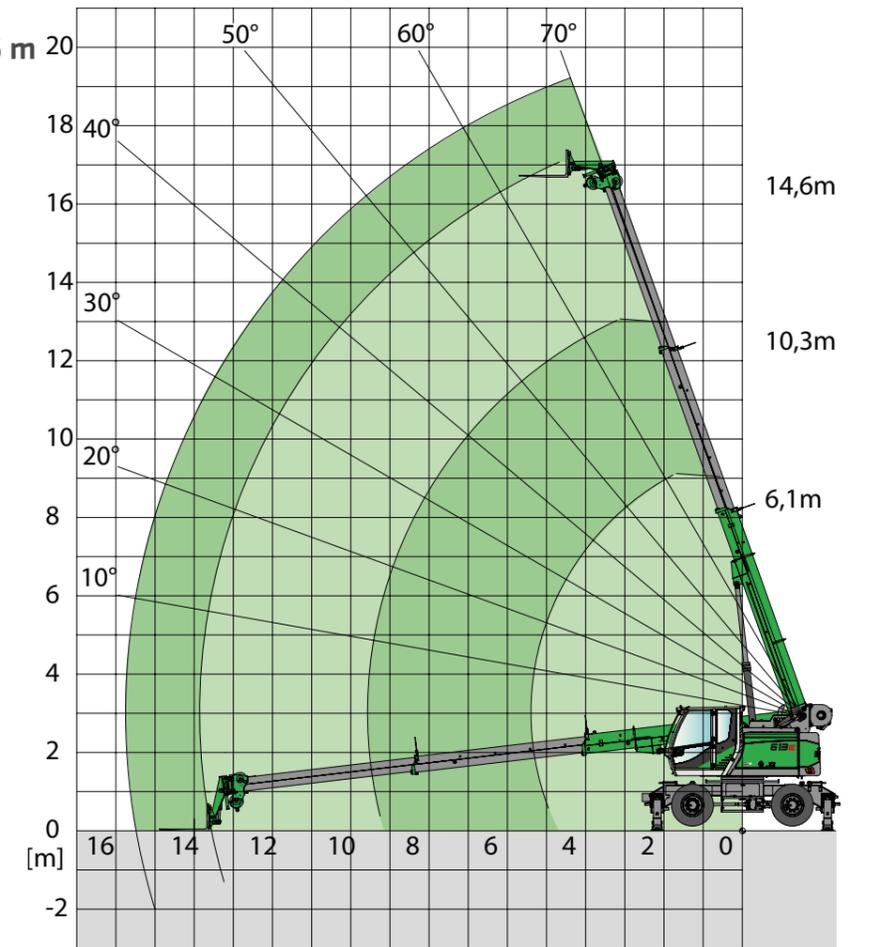
REACH [m]	BOOM LENGTH [m]				
	7.5	10.3	13.2	16.0	18.8
2.0	2.5 (1.53)				
3.0	2.5 (1.53)	1.3 (0.63)			
4.0	2.5 (1.53)	1.3 (0.63)	0.9		
4.5	2.5 (1.53)	1.3 (0.63)	0.9	0.6	
5.0	2.5 (1.53)	1.3 (0.63)	0.9	0.6	0.5
6.0	2.5 (1.53)	1.3 (0.63)	0.9	0.6	0.5
7.0	2.5 (1.53)	1.3 (0.63)	0.9	0.6	0.5
8.0	2.5/7.5 (1.53)/7.5	1.3 (0.63)	0.9	0.6	0.5
9.0		1.3 (0.63)	0.9	0.6	0.5
10.0		1.3 (0.63)	0.9	0.6	0.5
11.0		1.3/10.3 (0.63)/10.3	0.9	0.6	0.5
12.0			0.9	0.6	0.5
13.0			0.9/13.2	0.6	0.5
14.0				0.6	0.5
15.0				0.6	0.5
16.0				0.6	0.5
17.0					0.5
18.0					0.5/18.8

Tab. no.: 613M-18.8/75/2000(960)/41/08.06

LIFTING FORK ATTACHMENT

 **LIFTING FORK 6.1 - 14.6 m**

DIN ISO 



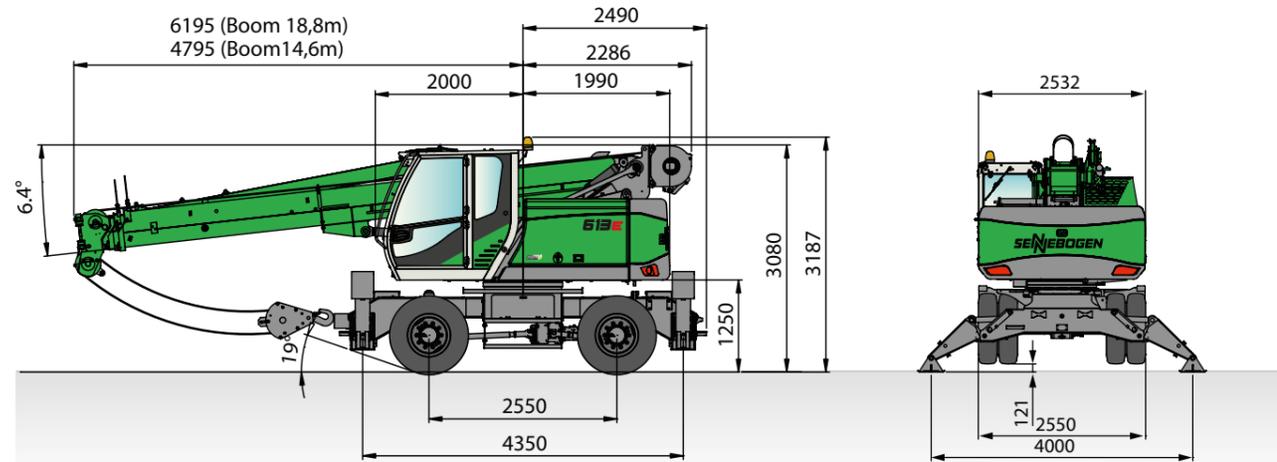
REACH [m]	BOOM LENGTH [m]				
	6.1	8.2	10.3	12.5	14.6
2.0	2.5 (2.0)				
3.0	2.5 (2.0)	1.8 (1.28)			
4.0	2.5 (2.0)	1.8 (1.28)	1.4 (0.7)		
4.5	2.5 (2.0)	1.8 (1.28)	1.4 (0.7)	1.0 (0.37)	
5.0	2.5 (2.0)	1.8 (1.28)	1.4 (0.7)	1.0 (0.37)	0.6
6.0	2.5 (2.0)	1.8 (1.28)	1.4 (0.7)	1.0 (0.37)	0.6
7.0		1.8 (1.28)	1.4 (0.7)	1.0 (0.37)	0.6
8.0		1.8 (1.28)	1.4 (0.7)	1.0 (0.37)	0.6
9.0		1.8/8.2 (1.28) / 8.2	1.4 (0.7)	1.0 (0.37)	0.6
10.0			1.4 (0.7)	1.0 (0.37)	0.6
11.0			1.4/10.3 (0.7)/10.3	1.0 (0.37)	0.6
12.0				1.0 (0.37)	0.6
13.0				1.0/12.5 (0.37)/12.5	0.6
14.0					0.6
15.0					0.6/14.6

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LIFTING FORK ATTACHMENT

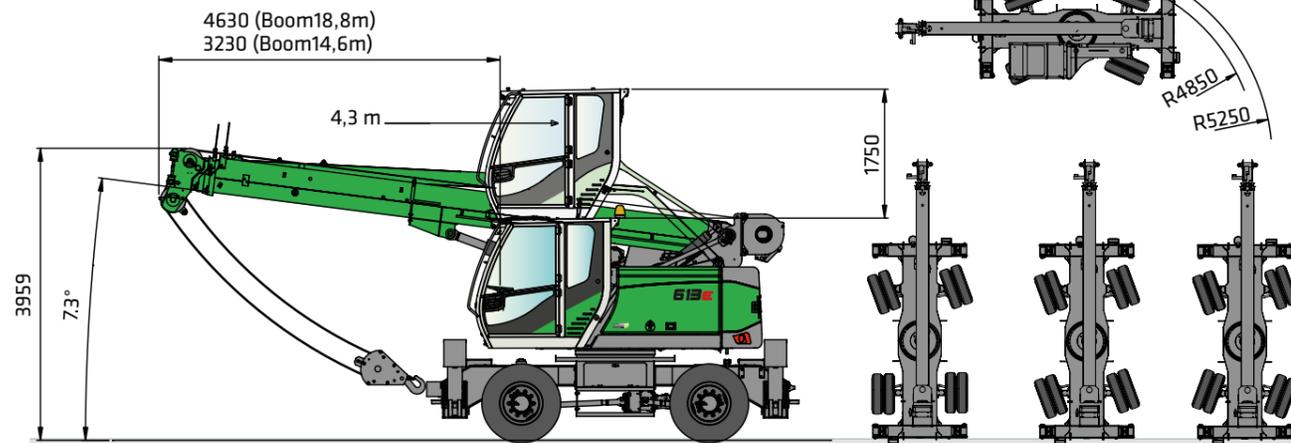
LIFTING FORK ATTACHMENT

TRANSPORT DIMENSIONS



613 WITH MOBILE UNDERCARRIAGE

TURNING CIRCLE



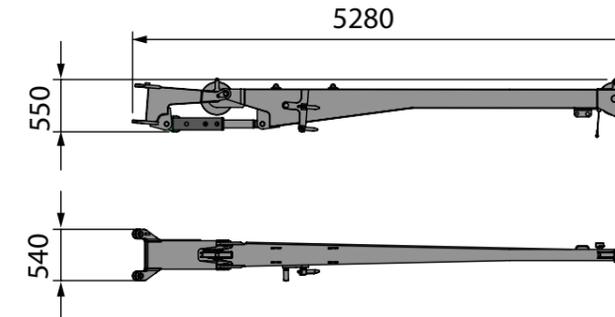
613 WITH MOBILE UNDERCARRIAGE

Dimensions in [mm]

ATTACHMENTS

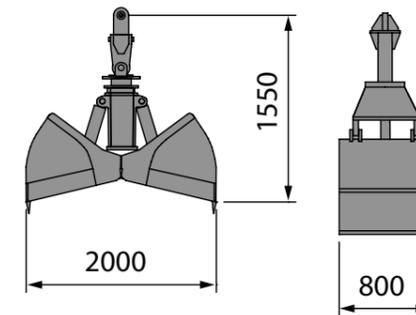
FLY JIB 5 m

i Weight: 350 kg



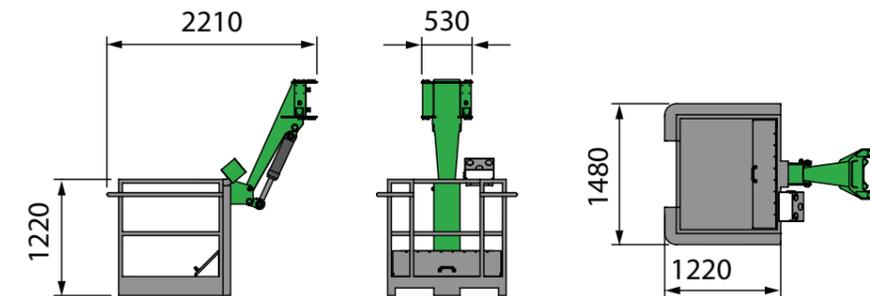
HYDRAULIC GRAB WITH TEETH AND DRAINAGE HOLES

i Weight: 750 kg
 Max. bulk weight: 2 t/m³
 Max. content: 600 liter



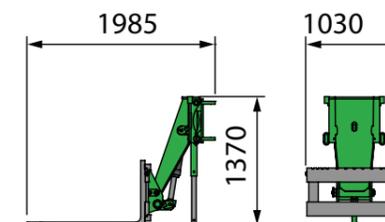
WORK PLATFORM

i Weight: 400 kg



LIFTING FORK ATTACHMENT

i Weight: 500 kg



Dimensions in [mm]

READ MORE



Hydraulic grab in use; Holland



Structural engineering; Germany



Civil engineering; Germany



Bridge construction; Germany



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