

SENEBOGEN

PRELIMINARY

MATERIAL HANDLER

826 G



826 G

The recycling powerhouse.

Thanks to its power and versatility, the 826 G sets standards in terms of efficiency and reliability. With a range of 13 meters, it is the optimal solution for recycling and scrap handling. The standard elevating comfort cab not only ensures optimal visibility, but also creates a pleasant workplace in any environment. The 826 G is available in a wide range of versions. In addition to numerous undercarriage variants, the powerhouse also guarantees impressive load capacities. Whether loading or sorting – see for yourself how sensitive and quick this machine is.

Maximum efficiency

High system performance coupled with optimized hydraulics for outstanding efficiency.

Occupational safety

Thanks to the precisely controlled movements and the numerous safety features, you can work effortlessly and safely throughout your day.

Maximum comfort

The spacious cab is designed with the needs of the operator in mind – comfortable and spacious with sophisticated features.

A long-term investment

The G-series is characterized by robust components and intelligent machine design – the machine retains its value over the long-term, even with demanding continuous use.

Maintenance & service

Intelligent fleet management and machine status monitoring via the SENtrack portal as well as unique accessibility of machine components.

Modular variety

Unique machine variety – we build the perfect machine to meet the needs of your application.

AN INVESTMENT THAT PAYS OFF.

The durability and reliability of the SENNEBOGEN Green Line is based on decades of experience in the design of high-quality crane and material handling technology. You want to handle recycling in an especially environmentally friendly and economical way – we have the perfect solution for you.

LATEST GENERATION MATERIAL HANDLING TECHNOLOGY

The **G** series.



Low operating costs thanks to Green Efficiency Technology: Fuel efficient and longer maintenance intervals



Manageable and service-friendly technology for maximum machine availability



Consistent performance thanks to robust steel construction, and high-quality drive and control components from renowned manufacturers



Maximum efficiency thanks to powerful pumps, large-scale hydraulic valves and pipes



Sophisticated technology thanks to the consistent further development up to the 6th The G-series generation – for demanding material handling



Durable and robust in extreme weather and harsh operating conditions, works equally well in the cold of the Arctic Circle or the heat of Dubai

Advanced. The **G** series.



LONG SERVICE LIFE, HIGH VALUE RETENTION

- Reliable and powerful thanks to its robust construction and high-quality components.
- Temperature-controlled cooling system, designed and tested for heavy-duty applications and high ambient temperature

SOPHISTICATED, STATE-OF-THE-ART TECHNOLOGY

- Consistent design for demanding material handling
- Increased efficiency thanks to G series hydraulics: optimized hose and pipe routing

SIMPLE TO MAINTAIN AND SERVICE

- Manageable technology and no over-engineering
- Ideal accessibility to all components for easy maintenance

ENVIRONMENTALLY-FRIENDLY DRIVE TECHNOLOGY

- State-of-the-art engine, drive and emission systems in line with the latest technology standards (stage V)
- Clean air thanks to 50% less nitrogen oxides and up to 90% fewer soot particles

SAFETY FIRST.

Enjoy a safe work environment thanks to numerous safety features developed especially for recycling and scrap yard use. Protecting people, the environment and the machine.



Component safety

maximum service life thanks to the robust steel construction produced in our very own subsidiary

Extended warranty

from 10,000 operating hours or three years on steel components

Safe & ergonomic

optimal cab and machine component accessibility via steps and railings on the uppercarriage



Best all-round visibility with maximum safety

thanks to armored glass pane, panoramic overview thanks to omission of the B-pillar and a viewing height of 5.80 m

Pipe fracture safety in series production

with safe environmental compatibility

SENtrack

Maintain fleet management safety by monitoring the condition of your machines

Powerful LED spotlights

for optimal illumination of the work area

Daily service from the ground

Level uppercarriage if access is necessary

Optimal camera monitoring

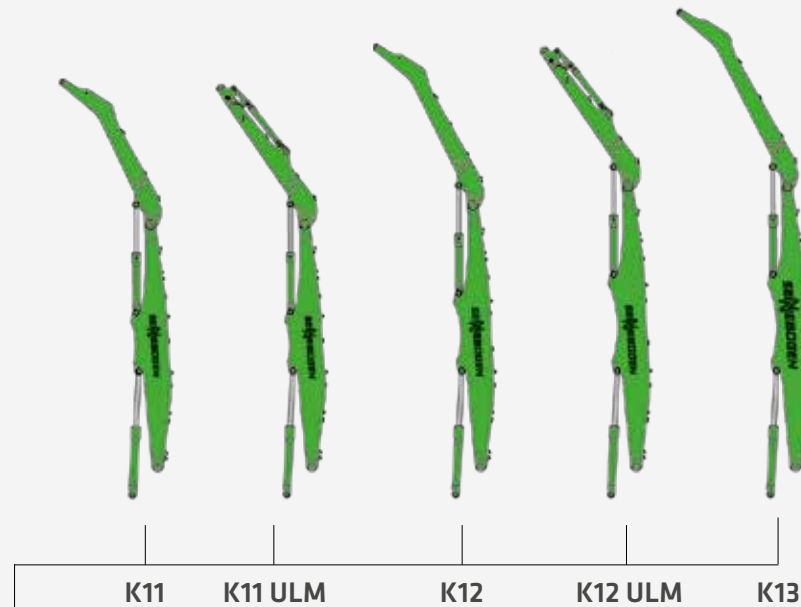
of all safety-relevant areas*

* Cameras are installed as standard on the right-hand side and to monitor the rear area. Additional cameras, e.g. on the stick, are available on request.

A MODULAR DESIGN. NUMEROUS APPLICATIONS.

EQUIPMENT

-  Orange peel grab
-  Clamshell grab
-  Magnet
-  Sorting grab

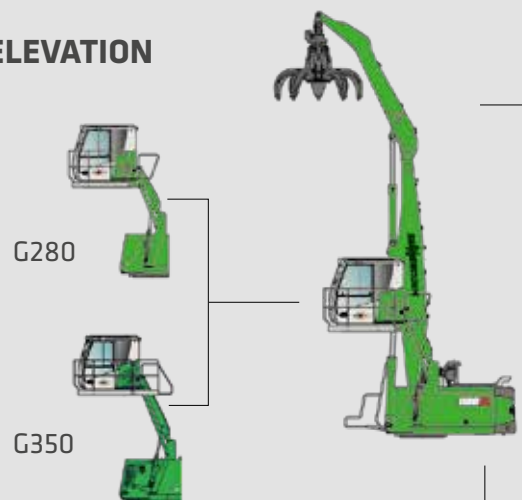



K = Compact boom
ULM = Equipment with tipping kinematics, e.g. for sorting grabs

CAB

-  Maxcab
-  Maxcab Industry

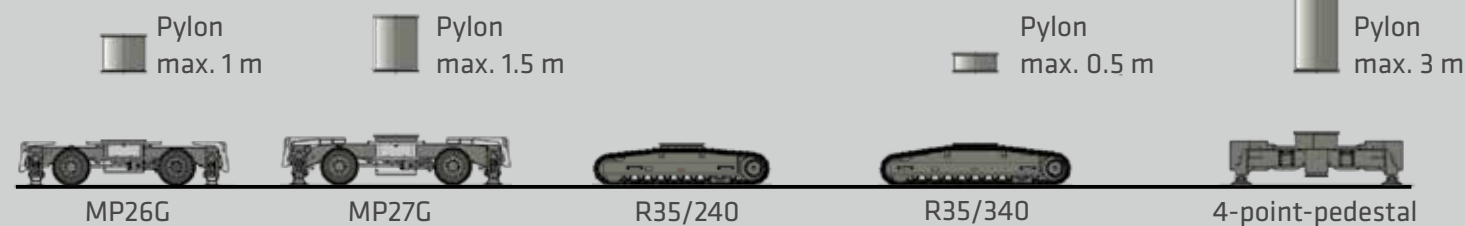
CAB ELEVATION



 Diesel-hydraulic drive

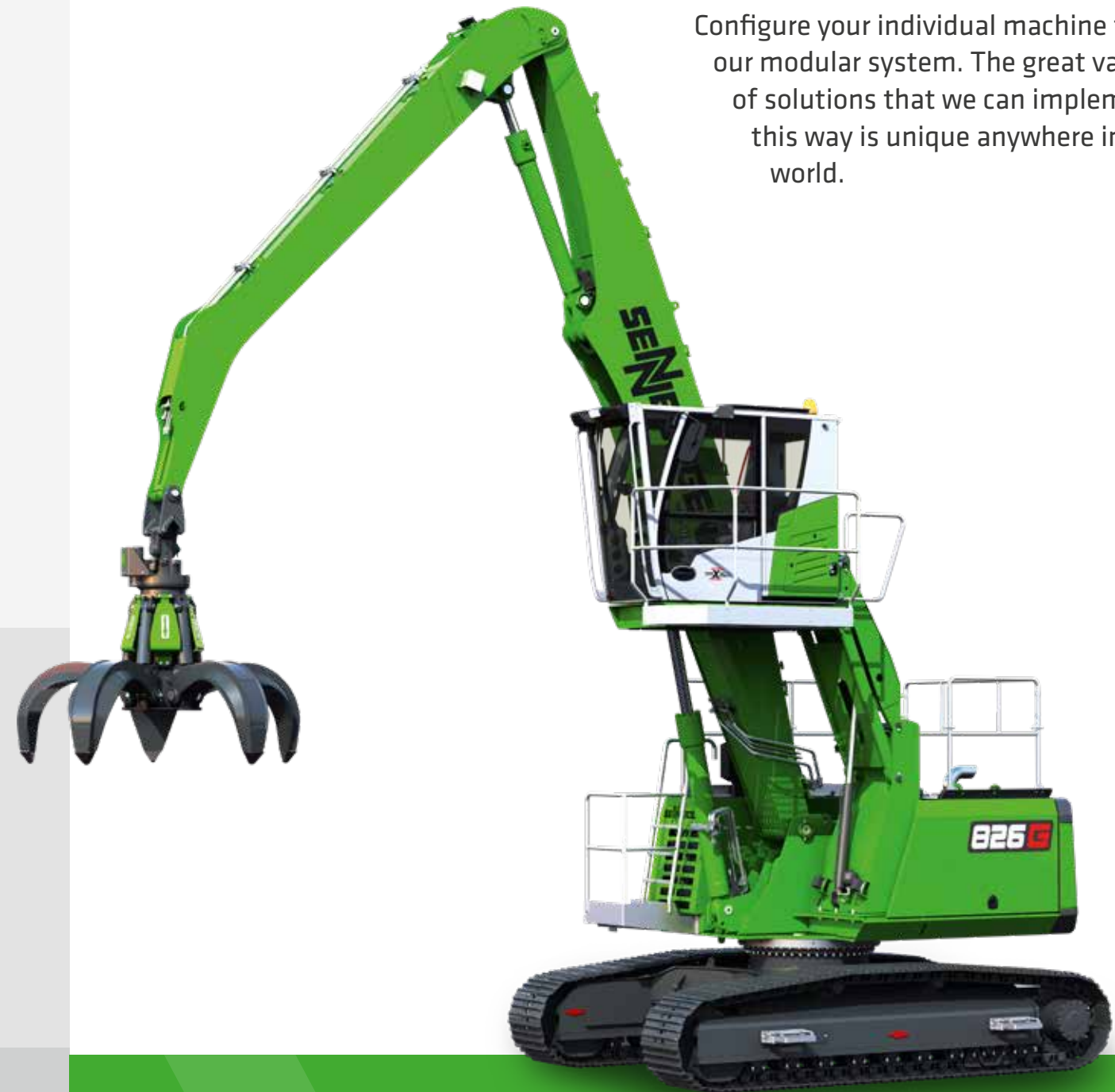
UPPERCARRIAGE

UNDERCARRIAGE



WHAT DOES YOUR MACHINE LOOK LIKE?

Configure your individual machine from our modular system. The great variety of solutions that we can implement in this way is unique anywhere in the world.



CUSTOM CONFIGURATION

More than 16,000 unique material handling solutions can be delivered through SENNEBOGEN's modular machine design - watch the video now!

www.sennebogen.com/versatility



MAXIMUM COMFORT.

Everything in view

The spacious cab with panoramic view gives you a practical overview of your work area. The safety cameras provide support and allow you to monitor the critical areas conveniently via the monitoring system in the cab.

Easy control

The intelligent SENCON control system gives you quick and easy feedback on the machine's condition. Thanks to the intuitive user interface, it has never been easier to monitor energy consumption and utilization, control the desired working modes and contribute towards reducing operating costs.

Pleasant indoor climate

Whether in warmer areas or sub-zero temperatures, you can enter a work space with a comfortable temperature every day and concentrate on the essentials of work thanks to pleasant heating and air conditioning.

Individual operator profiles

Personalize and save settings for individual operators: Climb in – get going.

For your health

The back-friendly comfort seat with reinforced suspension, adjustable armrests and optimally arranged control elements make everyday work even easier. With the convenient control panel, you can now reach many functions even faster and the ergonomic joysticks are comfortable to hold – in an award-winning design!

“With the new Maxcab, we have once again implemented customer requirements: for maximum ease of use.”

CORNELIUS STROBL,
Head of Product and Industry
Management



THE NEW MAXCAB

- Unobstructed visibility
- Bullet proof glass windscreen as standard
- Intuitive operation



CAB HIGHLIGHTS



ALWAYS THE RIGHT VIEWING ANGLE

IN SERIES	MAX CAB	Maxcab	Maxcab Industry
ENTRANCE		Sliding door incl. sliding window	Sliding door incl. sliding window
WINDSHIELD		Optimal field of vision, bullet proof glass	Undivided windshield made from safety glass, rigidly glazed
RIGHT SIDE WINDOW PANE		Laminated safety glass	Laminated safety glass
SKYLIGHT		Safety glass skylight	Bullet proof skylight
		Wipers for skylight	Wipers for skylight
WIPERS		Wiper and washer system for front windshield	Wiper and washer system for front windshield
AIR CONDITIONER		Heating/air conditioning with fresh air and recirculating air filter	Heating/air conditioning with fresh air and recirculating air filter
FLOODLIGHTS		Powerful LEDs, integrated in the roof	Powerful LEDs, integrated in the roof
RADIO PREPARATION		✓	✓
SENCON CONTROL AND DIAGNOSTIC SYSTEM		✓	✓
OPTIONS			
PLATFORM		Platform with railing for safe access	Platform with railing for safe access
RADIO		DAB, with MP3 and Bluetooth® function, hands-free system	DAB, with MP3 and Bluetooth® function, hands-free system
AIR-CONDITIONED SEAT		✓	✓
PROTECTIVE VENTILATION SYSTEM		✓	✓
COOLING BOX BEHIND THE OPERATOR'S SEAT		✓	✓
PROTECTIVE GRILLE ON SKYLIGHT AND WINDSHIELD		✓	✓
SUN PROTECTION PACKAGE		✓	✓



optional (G350)
6.6 m

Viewing height (G280)
5.8 m

G SERIES
STANDARD
EQUIPMENT

PROFESSIONAL FLEET MANAGEMENT

SENtrack

1. Reduce service costs

The dashboard is used to monitor the machine and its main operating parameters (temperatures, consumption). If key figures deviate significantly from the target value, the user is informed immediately.

2. Reduce consumption

You will receive daily updated insights into your fleet processes: Easily identify and optimize times when machines are idle or change set parameters when machines are underloaded to reduce consumption.

3. Improve productivity

With just a few clicks, you can identify and optimize machine capacity, analyze routes if required and thus make your port processes more profitable.

4. Safeguard your investment

Practical alarm messages inform you about critical machine conditions. In the event of irregular movements, the machine can also easily be deactivated remotely.



“What if you could receive real-time data from all your machines with just one click and so increase your productivity? SENNEBOGEN’s SENtrack telematic system makes this possible. The monitoring tool is installed as standard in the G series!”

MAINTENANCE AND SERVICE.

KEEP IT SIMPLE. WITH MANAGEABLE TECHNOLOGY.



Reliable and practical technology makes life easier. We rely on hydraulics, electrics and electronics only where they provide the greatest benefit.



We make you happy, not reliant. With cost-effective components and fewer process steps, you can take care of your own machine.



The central electrical distributors and electronic modules facilitate maintenance and service, and are protected against environmental influences thanks to the large-scale e-box.



The SENCON control system supports you with diagnostics so that your machine is back in action more quickly.



The SENNEBOGEN Troubleshooter is a guided troubleshooting tool for resolving problems as quickly as possible.



All maintenance and service points are clearly arranged and easily accessible. The clear labeling of components makes finding your way around easy.

TECHNICAL DATA, EQUIPMENT

MACHINE TYPE

MODEL (TYPE) 826 G

DIESEL ENGINE

TYPE	Stage V: Cummins B 4.5* Rated power: 129 kW/2200 rpm Operating point standard: 129 kW/2200 rpm Operating point ECO: 129 kW/2000 rpm
	Automatic idle/stop
COOLING	water-cooled, charge air cooling, coolant cooling
DISPLACE- MENT	4.5 l
NUMBER OF CYLINDERS	4
BATTERIES	2 x 110 Ah / 750 A, battery disconnect switch
ELECTRICAL SYSTEM	24 V
OPTIONS	Engine block heater Electric fuel pump Jump start pole Cyclone pre-separator for use with high dust loads

TANK CAPACITIES

FUEL	330 l
ADBLUE	30 l
HYDRAULIC TANK	240 l
COOLANT	approx. 40 l
ENGINE OIL	approx. 13.5 l
CENTRAL LUBRICATION SYSTEM	Automatic central lubrication for equipment and slewing ring, display of fault and empty message via SENCON

UPPERCARRIAGE

DESIGN	Torsion-resistant box design, precision crafted, steel bushings for boom mounting, engine installed in the longitudinal direction
COOLING SYSTEM	Cooling system with 3 cooling circuits and demand-driven fan control consisting of: Coolant cooling and hydraulic oil cooling, hydraulically driven, thermostatically controlled incl. fan reversal.
OPTIONS	LED lighting package Positioning brake via foot pedal Fire extinguisher Low temperature packages Electrical Hydraulic tank preheating Magnet generator 15 kW Additional ballast 0.5 t Comprehensive uppercarriage railings Platform with railing next to cab Warning beacons and alarm horns Compressor



TECHNICAL DATA, EQUIPMENT

HYDRAULIC SYSTEM

	Load-sensing / LUDV hydraulic system, electro-hydraulic work functions
OPERATING PRESSURE	up to 350 bar
CONTROL SYSTEM	Proportional, precision electrical control of work movements, 2 electric joysticks for work functions, additional functions via switches and foot pedals
SAFETY	Pipe-fracture safety valve for stick and compact boom as standard
OPTIONS	Bio-oil filling Tool Control for programming pressure/rate of up to 10 tools Load torque warning with capacity display Overload safeguard with shutdown SENNEBOGEN HydroClean micro-filter system (3 µm) with water separator Supplementary hydraulic circuit for shear attachment





SLEWING DRIVE


GEARBOX	Planetary gears with axial piston engine, integrated brake valves
PARKING BRAKE	Spring-loaded, hydraulically ventilated multi-disk safety brake
SLEWING RING	Internal toothing, ball bearing slewing ring, sealed
SLEWING SPEED	0-8 rpm
TORQUE	65 kNm



TECHNICAL DATA, EQUIPMENT


CAB* 	
CAB TYPE	Maxcab, 2.8 m elevation
CAB FEATURES	Sliding door incl. sliding window, vibration-damped, tinted safety glass, bullet proof glass on windscreen, safety glass on side windows, skylight, windscreen wiper, roller sunblind on windscreen and skylight, integrated microphone for hands-free system, radio preparation, air-suspended comfort seat, heating/air-conditioning system with fresh air filter and recirculating air filter, joystick steering (mobile version), SENCON
OPTIONS	<ul style="list-style-type: none"> Maxcab Industry, continuous bullet proof glass pane Protective roof guard, FOPS if applicable Protective front guard Active carbon filter for outside air Auxiliary heating system Air-conditioned comfort operator's seat Radio (DAB), with MP3 and Bluetooth® function, hands-free system Cooling box Multifunctional armrests Pressurized cab Steering wheel control 30° tiltable cab External operator panel Sun protection packages


MOBILE UNDERCARRIAGE 	
	MP26 mobile undercarriage with integrated 4-point outrigger, steering axle with automated pendulum axle, pendulum axle cylinder with pipe fracture safety valve, all-wheel drive powered by an adjustable hydraulic motor with external, automatically actuated brake valve and 2-stage power shift transmission, planetary axles with integrated steering cylinders, 1-way accelerator pedal, service brake with 2-circuit system, multi-disc brake as parking brake
TIRE TYPE	8 x 10.00-20
BRAKES	hydraulic
TRAVEL SPEED	0-20 km/h variable
OPTION	<ul style="list-style-type: none"> up to 1 m pylon Support plate Stabilizer blade MP27 undercarriage

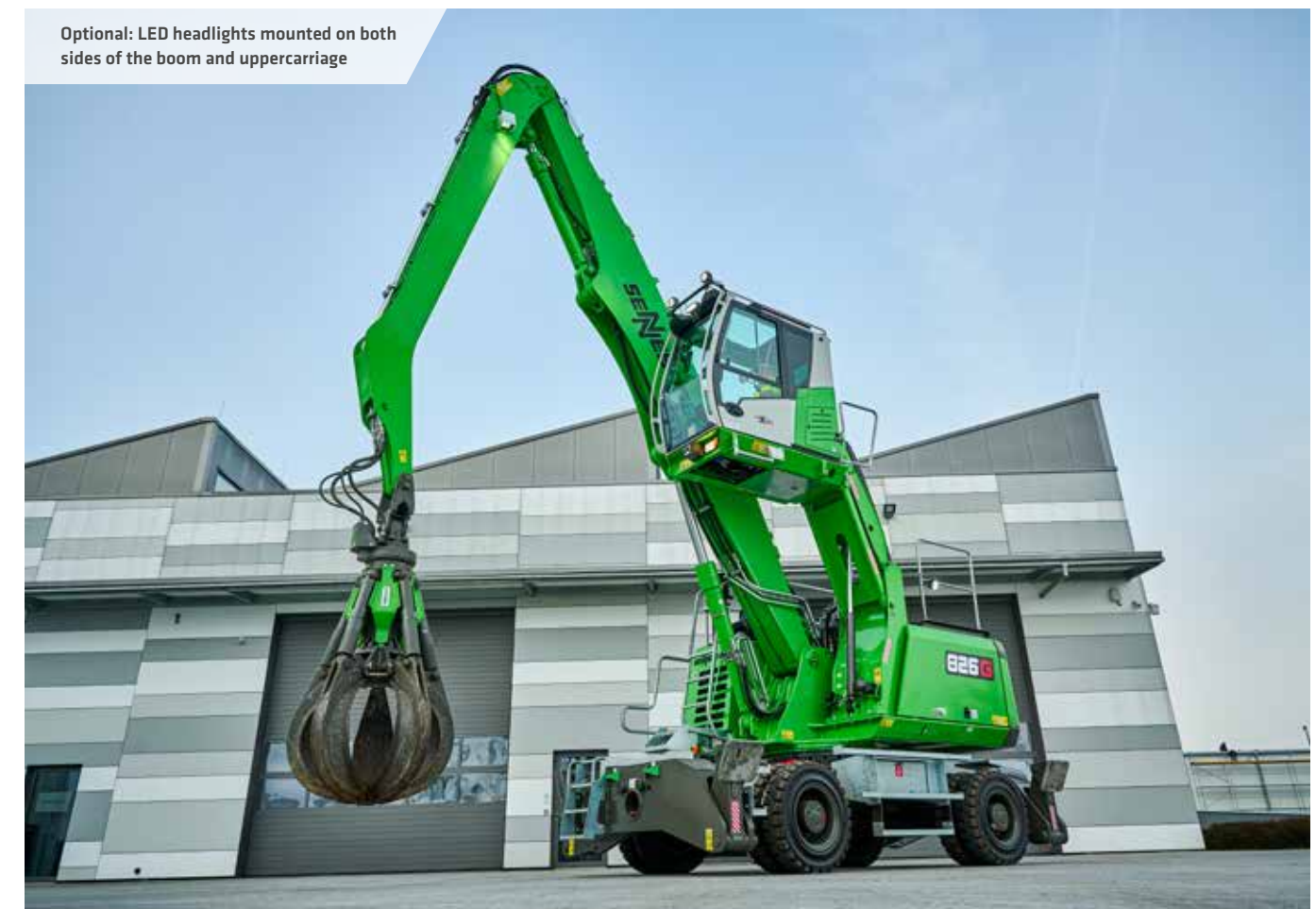
CRAWLER UNDERCARRIAGE 	
	R35/240 crawler undercarriage R25/240 in stable, torsionally rigid box construction with hydraulic travel drive, hydraulically ventilated, spring-loaded multi-disc brake as parking brake
TRAVEL SPEED	0-2.4 km/h
OPTION	<ul style="list-style-type: none"> up to 1 m pylon 700 mm triple grouser shoes R35/340 undercarriage



TECHNICAL DATA, EQUIPMENT

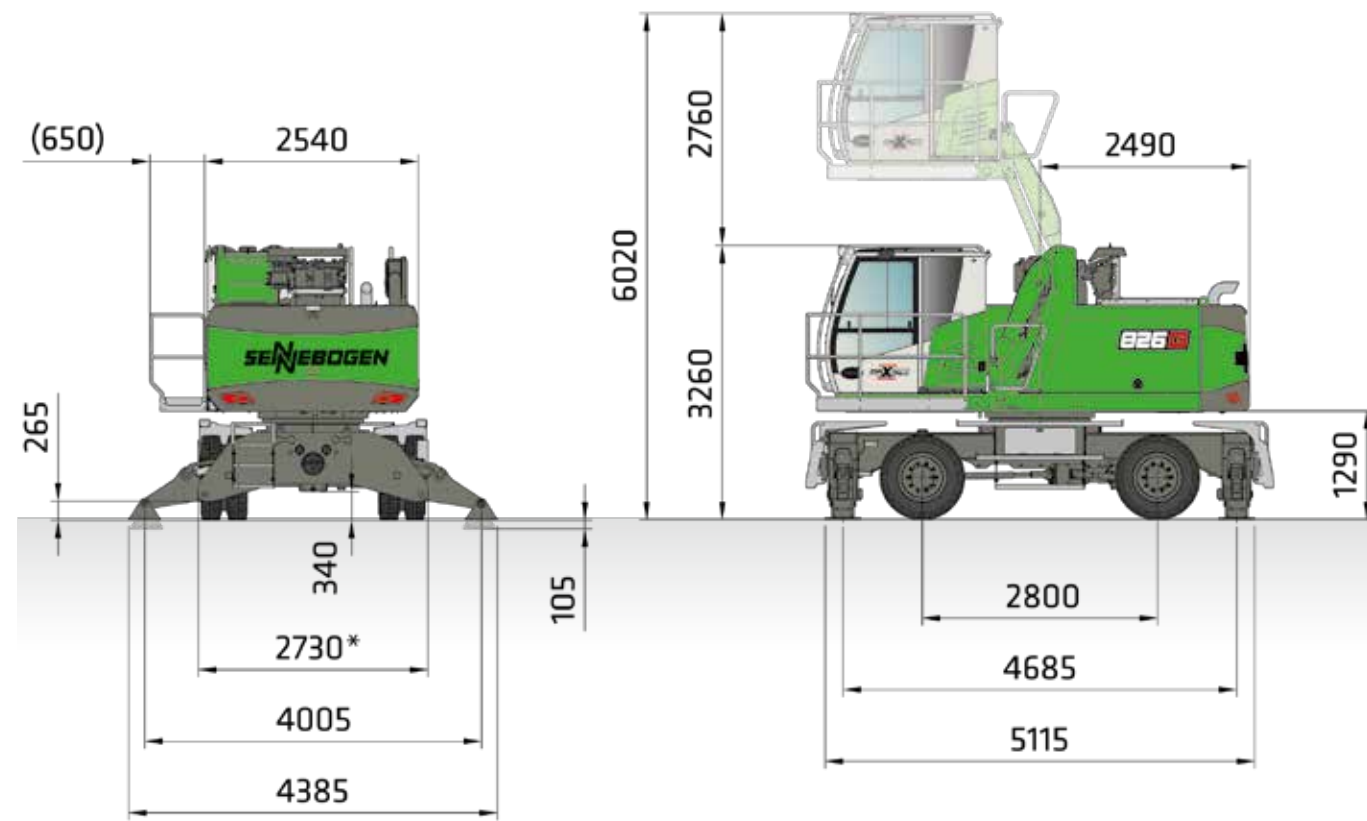
EQUIPMENT 	
RANGE	up to 13 m
CYLINDERS	Hydraulic cylinders with high-quality sealing and guide elements, end position damping, sealed mounting points
OPTIONS	<ul style="list-style-type: none"> LED lighting Adjustable lift limitation / stick limitation Stick mounted camera Equipment type "ULM" with tipping kinematics Boom damping

OPERATING WEIGHT 	
MASS	<p>Mobile</p> <p>27.3 t with MP26 and K11 incl. attachment</p> <p>Crawler</p> <p>30 t with R35/240 and K11 incl. attachment</p>
NOTE	Operating weight varies by model and equipment.



DIMENSIONS MOBILE

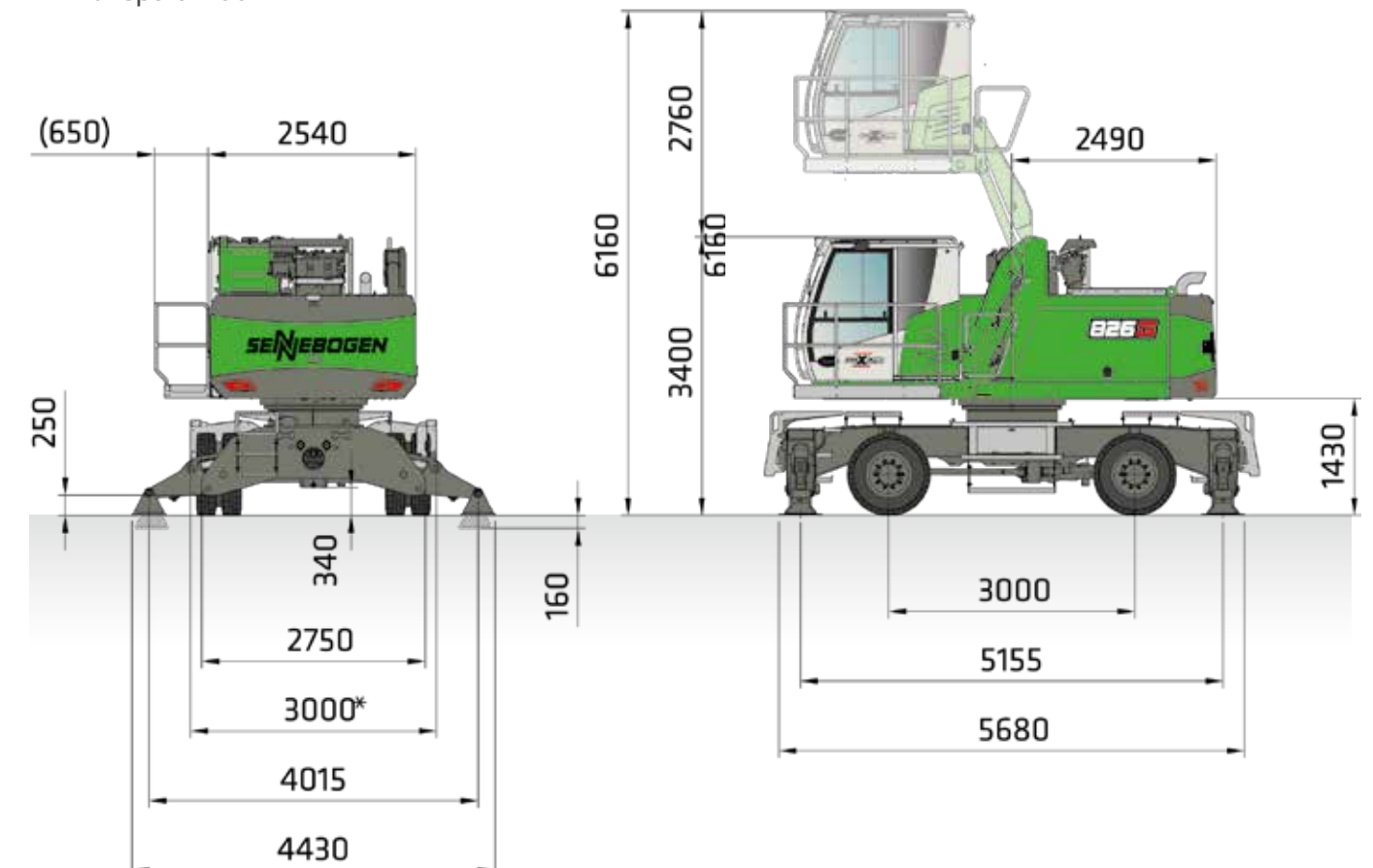
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826 G WITH MP26G MOBILE UNDERCARRIAGE AND G280 HYDRAULICALLY ELEVATING CAB (SERIES), SOLID RUBBER TIRES 10.00-20 (8X)

DIMENSIONS MOBILE

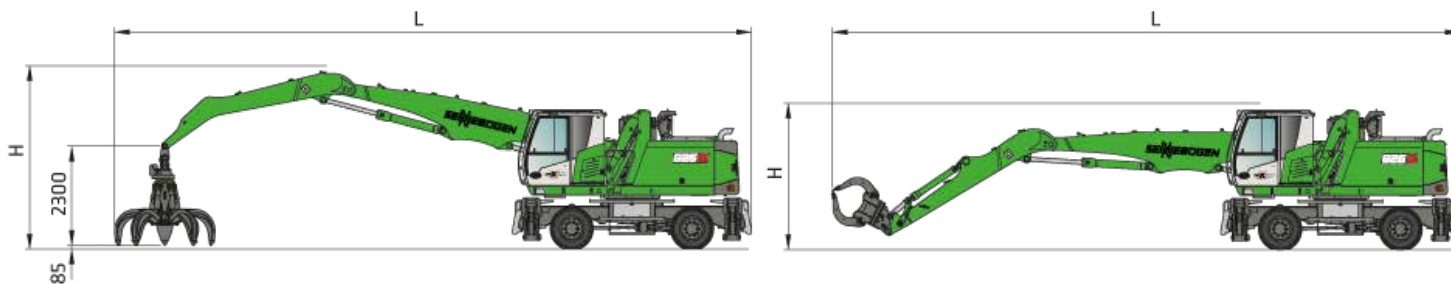
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826 G WITH MP27G MOBILE UNDERCARRIAGE AND G280 HYDRAULICALLY ELEVATING CAB (SERIES), SOLID RUBBER TIRES 10.00-20 (8X)

VERTICAL CLEARANCE WITH 600 L ORANGE PEEL GRAB

VERTICAL CLEARANCE WITH 450 L SORTING GRAB



	COMPACT BOOM	GRAB STICK	PASSAGE LENGTH (L)	VERTICAL CLEARANCE (H) ORANGE PEEL GRAB	VERTICAL CLEARANCE (H) SORTING GRAB
K11	6.5 m	4.5 m	14.9 m	4.4 m	-
K11 ULM	6.5 m	4.3 m ULM	14.9 m	-	3.45 m
K12	7.0 m	5.0 m	15.9 m	4.5 m	-
K12 ULM	7.5 m	4.3 m ULM	15.7 m	-	3.45 m
K13	7.5 m	5.5 m	16.8 m	4.7 m	-

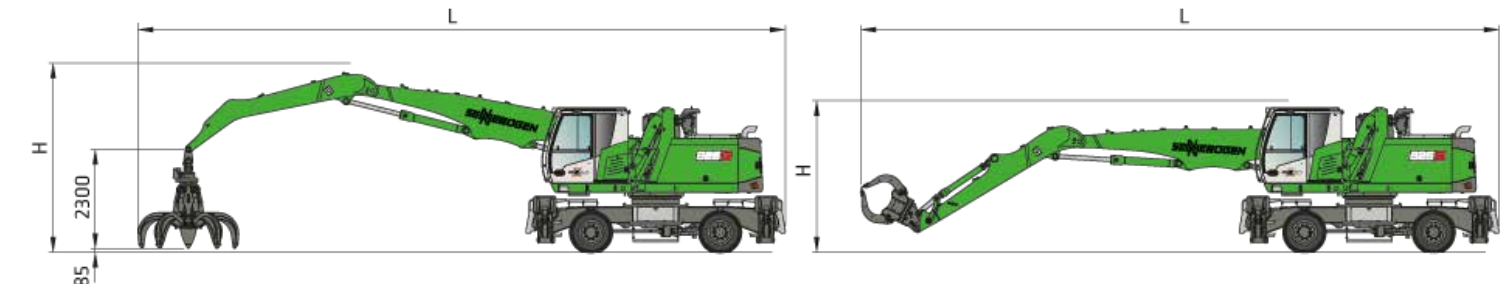
Other transport dimensions on request

Dimensions in [mm]

Subject to technical changes.

VERTICAL CLEARANCE WITH 600 L ORANGE PEEL GRAB

VERTICAL CLEARANCE WITH 450 L SORTING GRAB



	COMPACT BOOM	GRAB STICK	PASSAGE LENGTH (L)	VERTICAL CLEARANCE (H) ORANGE PEEL GRAB	VERTICAL CLEARANCE (H) SORTING GRAB
K11	6.5 m	4.5 m	15.1 m	4.5 m	-
K11 ULM	6.5 m	4.3 m ULM	15.0 m	-	3.5 m
K12	7.0 m	5.0 m	16.0 m	4.6 m	-
K12 ULM	7.5 m	4.3 m ULM	16.0 m	-	3.5 m
K13	7.5 m	5.5 m	17.0 m	4.7 m	-

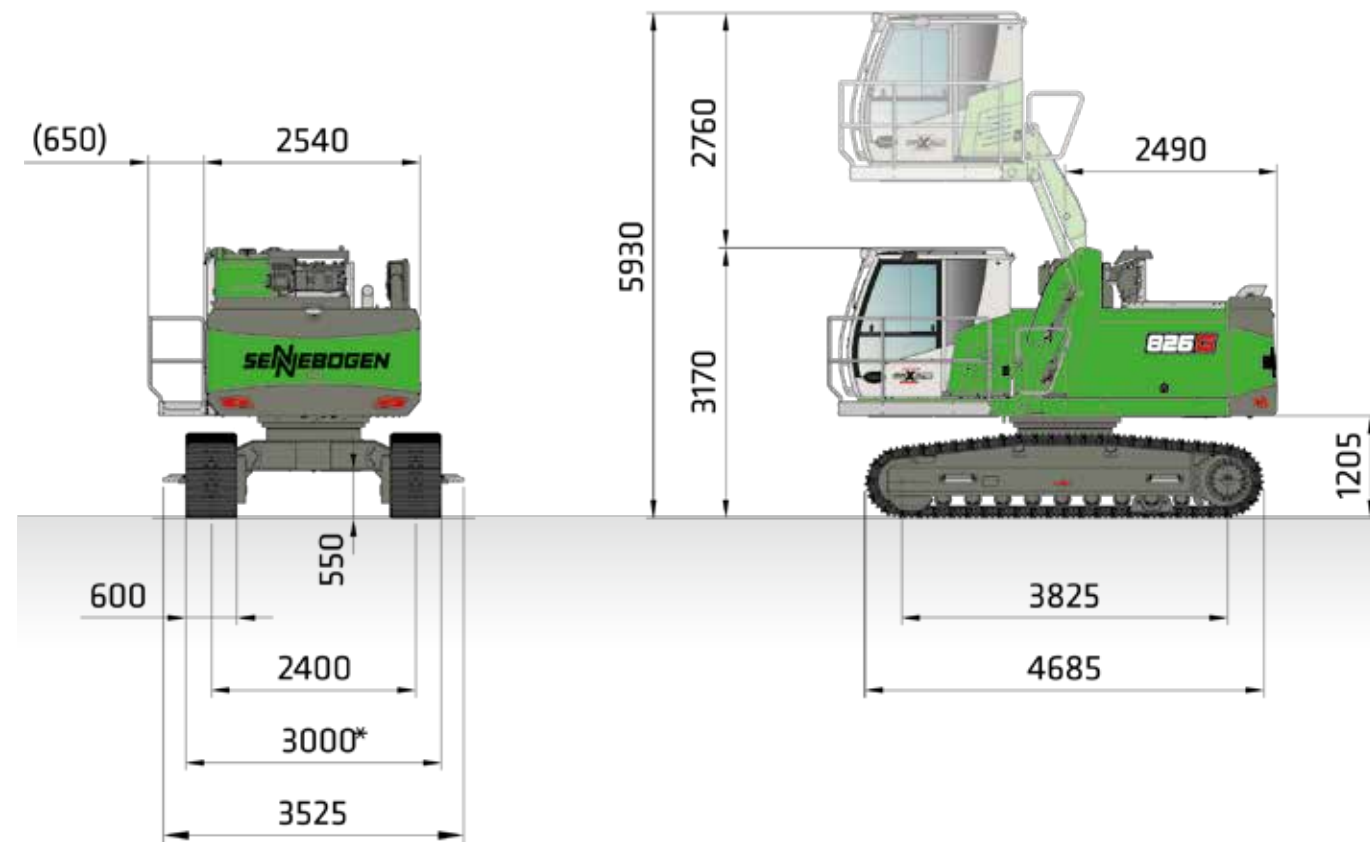
Other transport dimensions on request

Subject to technical changes.

Dimensions in [mm]

CRAWLER DIMENSIONS

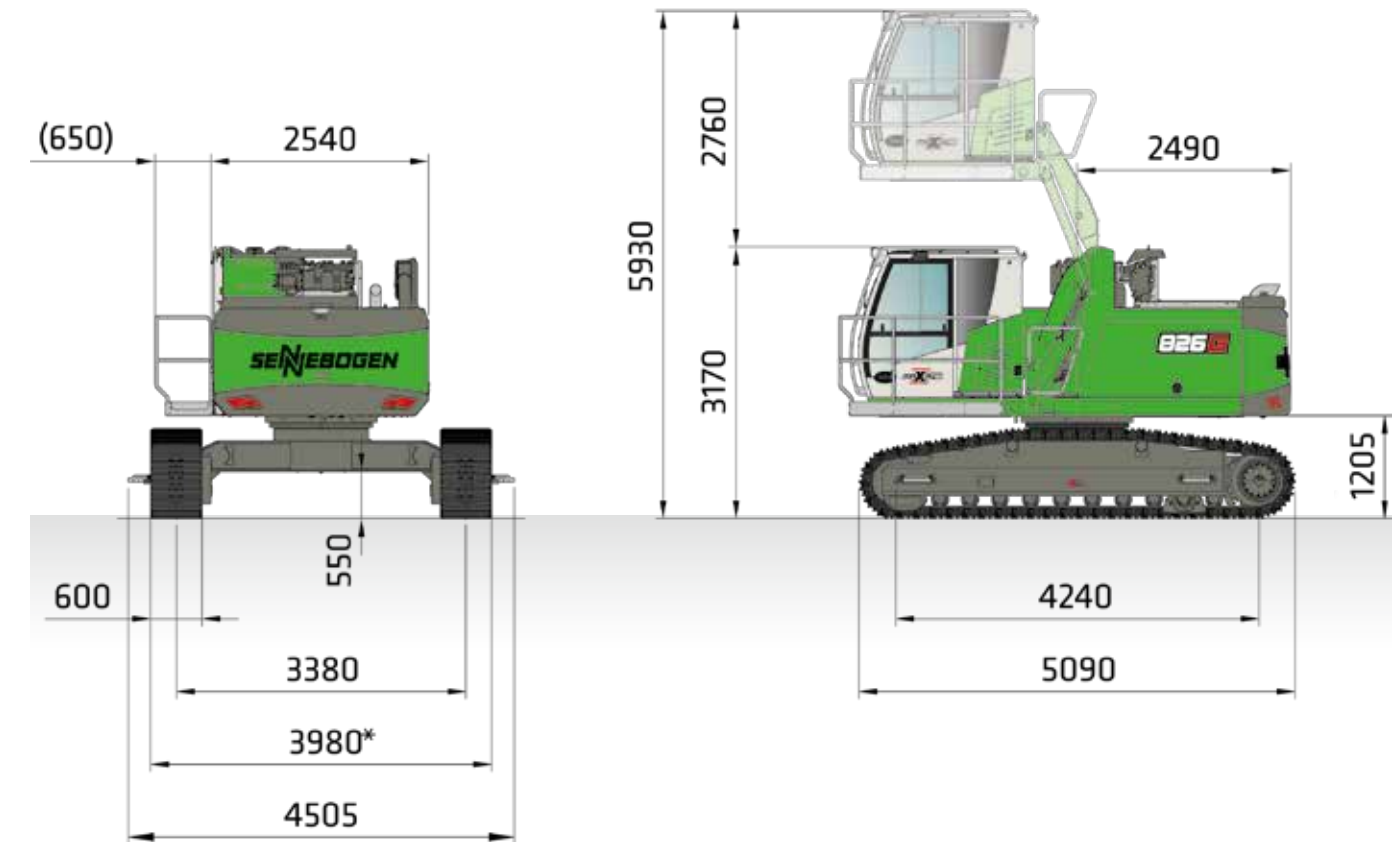
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826 G WITH R35/240 CRAWLER UNDERCARRIAGE AND G280 HYDRAULICALLY ELEVATING CAB (SERIES)

CRAWLER DIMENSIONS

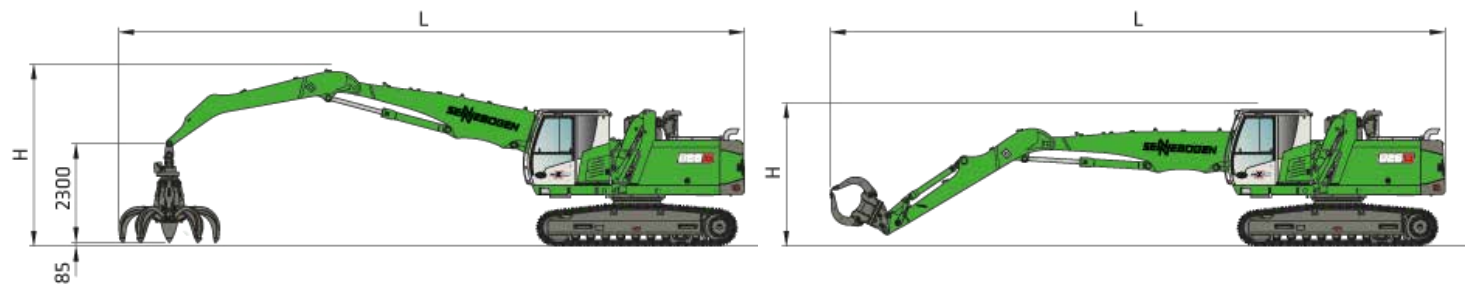
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826 G WITH R35/340 CRAWLER UNDERCARRIAGE AND G280 HYDRAULICALLY ELEVATING CAB (SERIES)

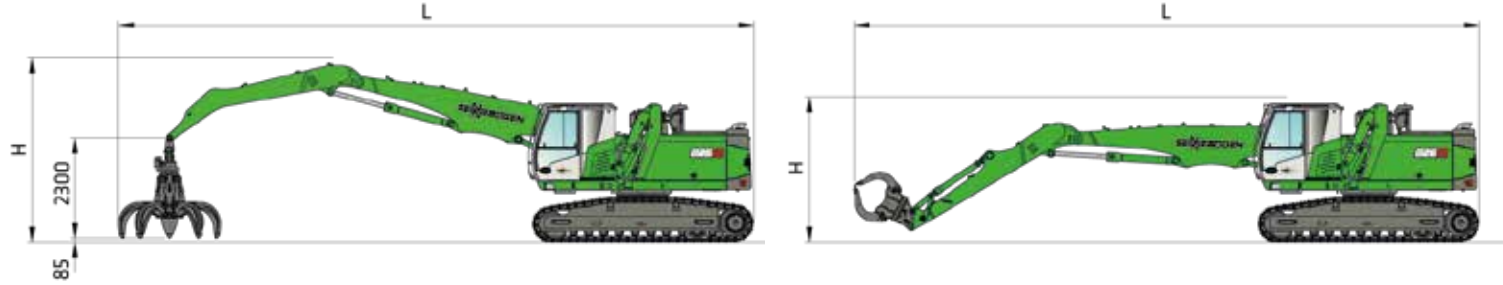
VERTICAL CLEARANCE WITH 600 L ORANGE PEEL GRAB

VERTICAL CLEARANCE WITH 450 L SORTING GRAB



VERTICAL CLEARANCE WITH 600 L ORANGE PEEL GRAB

VERTICAL CLEARANCE WITH 450 L SORTING GRAB



	COMPACT BOOM	GRAB STICK	PASSAGE LENGTH (L)	VERTICAL CLEARANCE (H) ORANGE PEEL GRAB	VERTICAL CLEARANCE (H) SORTING GRAB
K11	6.5 m	4.5 m	14.6 m	4.4 m	-
K11 ULM	6.5 m	4.3 m ULM	14.5 m	-	3.35 m
K12	7.0 m	5.0 m	15.5 m	4.5 m	-
K12 ULM	7.5 m	4.3 m ULM	15.5 m	-	3.35 m
K13	7.5 m	5.5 m	16.5 m	4.6 m	-

Other transport dimensions on request

Dimensions in [mm]

Subject to technical changes.

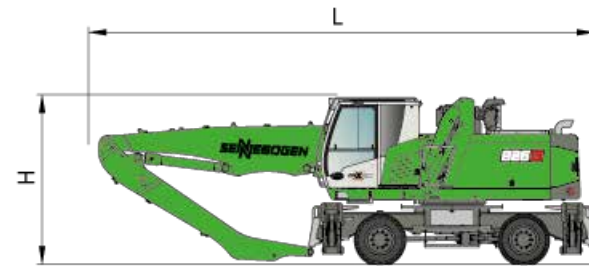
	COMPACT BOOM	GRAB STICK	PASSAGE LENGTH (L)	VERTICAL CLEARANCE (H) ORANGE PEEL GRAB	VERTICAL CLEARANCE (H) SORTING GRAB
K11	6.5 m	4.5 m	14.6 m	4.4 m	-
K11 ULM	6.5 m	4.3 m ULM	14.4 m	-	3.35 m
K12	7.0 m	5.0 m	15.6 m	4.5 m	-
K12 ULM	7.5 m	4.3 m ULM	15.4 m	-	3.35 m
K13	7.5 m	5.5 m	16.6 m	4.6 m	-

Other transport dimensions on request

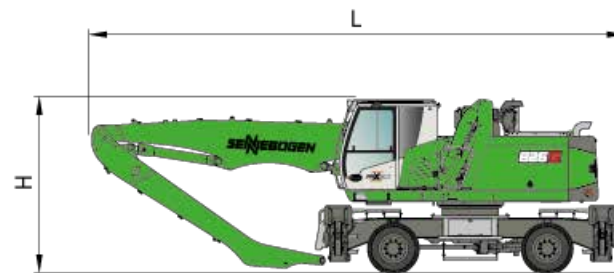
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Dimensions in [mm]

TRANSPORT DIMENSIONS MOBILE

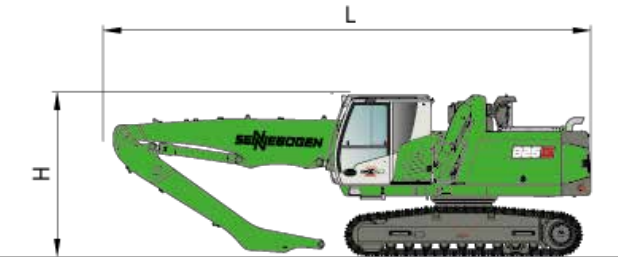


826G TRANSPORT DIMENSIONS MP26				
	COMPACT BOOM	GRAB STICK	TRANSPORT LENGTH (L)	TRANSPORT HEIGHT (H)
K9	6.5 m	4.5 m	10.0 m	3.3 m
K11 ULM	6.5 m	4.3 m ULM	10.0 m	3.3 m
K12	7.0 m	5.0 m	10.5 m	3.3 m
K12 ULM	7.5 m	4.3 m ULM	11.0 m	3.3 m
K13	7.5 m	5.5 m	11.0 m	3.7 m

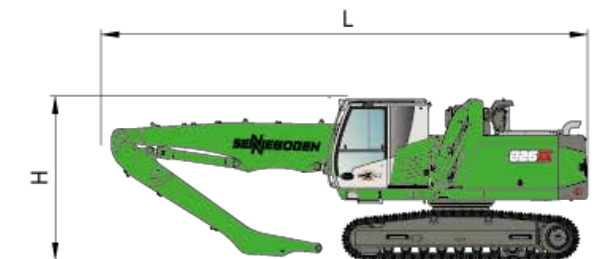


826G TRANSPORT DIMENSIONS MP27				
	COMPACT BOOM	GRAB STICK	TRANSPORT LENGTH (L)	TRANSPORT HEIGHT (H)
K11	6.5 m	4.5 m	10.2 m	3.45 m
K11 ULM	6.5 m	4.3 m ULM	10.2 m	3.45 m
K12	7.0 m	5.0 m	10.7 m	3.45 m
K12 ULM	7.5 m	4.3 m ULM	11.2 m	3.45 m
K13	7.5 m	5.5 m	11.2 m	3.50 m

TRANSPORT DIMENSIONS CRAWLER



826G TRANSPORT DIMENSIONS R35/240				
	COMPACT BOOM	GRAB STICK	TRANSPORT LENGTH (L)	TRANSPORT HEIGHT (H)
K11	6.5 m	4.5 m	9.7 m	3.3 m
K11 ULM	6.5 m	4.3 m ULM	9.7 m	3.3 m
K12	7.0 m	5.0 m	10.2 m	3.3 m
K12 ULM	7.5 m	4.3 m ULM	10.7 m	3.3 m
K13	7.5 m	5.5 m	10.7 m	3.8 m



826G TRANSPORT DIMENSIONS R35/340				
	COMPACT BOOM	GRAB STICK	TRANSPORT LENGTH (L)	TRANSPORT HEIGHT (H)
K11	6.5 m	4.5 m	9.8 m	3.3 m
K11 ULM	6.5 m	4.3 m ULM	9.8 m	3.3 m
K12	7.0 m	5.0 m	10.3 m	3.3 m
K12 ULM	7.5 m	4.3 m ULM	10.8 m	3.3 m
K13	7.5 m	5.5 m	10.8 m	3.8 m



SENNEBOGEN ACADEMY

Increase your knowledge because success is based on knowledge. In the SENNEBOGEN ACADEMY we place great importance on ensuring it flows powerfully.

➔ www.sennebogen-academy.com



SERVICE AND MAINTENANCE

Comprehensive customer service. And supply of spare parts. Service is a TOP priority for us.

➔ www.sennebogen.com/customer-service



SENtrack

Efficient fleet management with SENtrack: Use information that would otherwise stay hidden and increase your efficiency.

➔ www.sennebogen.com/sentrack



RENTAL & USED

Discover the unique range of rental machines available from SENNEBOGEN Rental & Used. Find your rental machine here:

➔ www.sennebogen-rental-used.com

JOIN OUR OPERATORS' CLUB

The spotlight is on you and your machine! We focus on exclusive information, sharing experiences with other SENNEBOGEN operators as well as fun and enthusiasm.

All benefits here ➔ www.sennebogen.com/operators-club



MOVE BIG THINGS WITH US



over **72**
years of experience

100%
family company

over **2200**
experienced specialists
worldwide

5
production plants in
Germany

over **180**
180 sales and service
partners worldwide

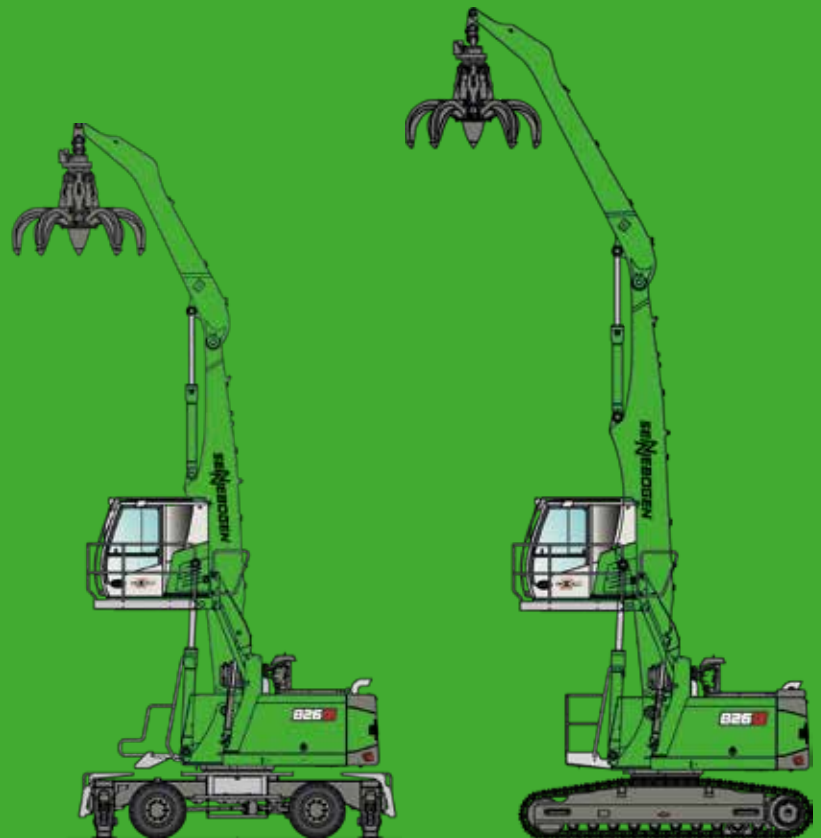
27
different
material handlers



Telehandler 4-5.5 t	Balancer 130-300 t	Material handler 17-420 t	Duty cycle crane 13.5-300 t	Crawler crane 50-300 t	Telescopic crane 16-130 t	Port crane 300 t
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This catalog describes machine models, the scope of equipment of individual models, and configuration options (standard equipment and optional equipment) of the machines delivered by SENNEBOGEN Maschinenfabrik GmbH. Machine illustrations may contain optional and supplementary equipment. Actual equipment may vary depending on the country to which the machines are delivered, especially in regard to standard and optional equipment. All product designations used may be trademarks of SENNEBOGEN Maschinenfabrik GmbH or other supplying companies, and any use by third parties for their own purposes may violate the rights of the owners.

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MOVE BIG THINGS

SALES SENNEBOGEN

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SPARE PARTS CENTER

Spare parts orders

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AFTER SALES

Technical support

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