

GEHL Skid Steer Loaders

E
SERIES





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GEHL's Madison, South Dakota, USA,
manufacturing plant features an ISO 9001
certified quality management system.

GEHL[®]



GEHL Skid Steer Loaders

One of the broadest model ranges in the world.

Compact • powerful • versatile • easy to service • reliable

For over 30 years GEHL has proven its position as a leading manufacturer of skid steer loaders.

With engine performance between 21 and 99 HP and 8 different model sizes to choose from the GEHL loaders cover the complete range of possible applications for skid steer loaders. When it comes to heavy-duty applications the SL 7710 with true vertical lift is the solution offering you more power and unmatched hydraulic flow. Besides the extraordinary performance, all GEHL machines are very service- and maintenance-friendly. The choice of different control systems also meets the demand and preference of every operator.

The innovative design of the POWER-VIEW™ boom not only provides an excellent overall view for the driver, the optimized structure also allows for high breakout forces.



Comfortable Working Station

Some advantages on the new GEHL skid-steer loaders are quite obvious. There is the spacious entrance into the cabin with extra handles at the outer cabin frame for added convenience. Ample floor space also caters to tall machine operators. The large openings in the cabin roof offers safe working conditions also with the loading boom in the fully raised position. The rear windscreen has been enlarged, and it serves as an emergency exit. An optional door for the cabin with sliding windows creates a comfortable atmosphere, free of dust and independent of the weather. In addition, the interior cabin sound levels are way below the CE requirements. This increases the operator's comfort inside the working station as well as the fully adjustable suspension seat.

Safety Improvements

GEHL skid-steer loaders are equipped with head lights, tail lights and back-up lights to facilitate their use at other than daylight hours and under poor visual conditions. A new weather enclosure door with a sensor system to lock out lift arm and tilt cylinder functions when door is open prevents from damages through inadvertent movement of the lift arm (from SL 3840 upwards). A hydraulic self-leveling lift action upwards is an additional safety feature available for all GEHL Skid Steer Loaders (from SL 3840 upwards).

At the same time a hydraulic locking device prevents any inadvertent lowering of the lifting boom (from SL 3840 upwards). In addition the loaders are fitted with a mechanical boom locking device to ensure a safe maintenance working environment. A longer wheelbase warranties for higher stability and higher lift capacities especially in uneven working areas.



SL 1640

The Powerpack

The SL 1640 is the smallest loader in GEHL's skid steer loader line.

Besides a working width between 0,9 m and 1,1 m, this compact loader is also low in operating weight. Therefore, it's easy to transport and is ideal for small openings where bigger machines can not access. It can move through narrow doorways, aisles and gates, as well as work under low ceilings. The 1640 is a multiple attachment carrier that doesn't just move dirt and manure. Gehl's engineers have really beefed up this loader's performance by adding the hydraulic components used in the SL 3840, giving it the

ability to effectively operate different types of attachments. Naturally, this model is also featuring the universal All-Tach-Mounting plate. In addition, the breakout force and operating capacity are unmatched in this loader size class. Additional standard features are a hand and foot throttle control enabling the operator to efficiently adjust the throttle and minimize fuel consumption. This small loader provides all the comfort expected from larger models: Excellent overall view due

to the Power-View-Boom design, a smooth ride provided by an extended wheelbase, comfortable and less fatigue controls, supported arm rests, adjustable rolling seat belt, very low noise emissions and vibrations in the operator's compartment, a lockable fuel tank and a battery disconnect switch.



SL 3840

Powerful Yanmar Engine

The new SL 3840 is powered by a 3-Cylinder Yanmar Diesel engine with a power output of 35 HP at 2.600 rpm. As GEHL is constantly working to improve, enhance and increase performance, versatility, efficiency and operator comfort this new model grants users the edge in productivity and profitability.



Superior features

The SL 3840 features operating load ratings of 476 kg.

The compact low-profile design combined with reversible rims allows for manoeuvrability in narrow as well as in low-clearance areas.

With a shipping weight below 1.6 tons, the SL 3840 ensures easy transport even on a small trailer.



Low noise emissions

Due to the acoustical improvements and the new designed engine-related components the sound level has been reduced dramatically to become one of the lowest sound emissions in the industry.

Operator's comfort

The improved T-bar drive controls require less effort and reduce operator's fatigue.

An adjustable safety bar makes the GEHL loader a comfortable working station for everyone.

Sliding windows are standard on this model.



Turbo Power / High Speed Driving Performance

The latest development of liquid-cooled, direct injected Diesel engines feature a power output between 42 HP and 82 HP. This new generation of engines offers an automatic engine shutdown system to prevent engine damage from high oil temperature or low oil pressure. Furthermore, the low fuel consumption is unmatched.

Starting with the SL 4640 a two-speed drive option is available, which enables for a maximum top speed of 18,0 km/h.

The button for this two speed drive gear is integrated in the left hand drive control of the new control handles. With the help of the "Soft-Shift-System" down-shifting from one gear to another is made smooth and easy.



Genuine GEHL Controls: T-bar Controls

The traditional GEHL T-Bar Controls have been enhanced with the new-style, ergonomic handles on the drive controls. This genuine GEHL control system supports for fatigue free working conditions through low effort control handles.

T-bar/Joystick Controls

Starting with the SL 4640 GEHL offers for the first time the all new T-Bar/Joystick controls. This is a new alternative control option that gives an operator the full single hand T-bar control for all drive movements and single joystick control for lift and tilt functions of the loader.

Gehl engineering has combined the proven advantages of its unique T-bar drive control along with a modern Joystick for easy loading operations. Operators confirm: This combination is the best of both worlds.



GEHL Hydraglide™

A feature recommended for the 2-speed option is the unique GEHL Hydraglide™ system, which provides for enhanced driving comfort. On this option a nitrogen accumulator in the cylinders dampens oscillations in the lifting booms. Any impact between chassis and lifting boom are dampened which prevents possible build-up of such oscillations. Hydraglide comes as a standard on all T-bar / Joystick models.



Air Conditioning

Starting with SL 4840, an ex works installed air condition system is available as an option. The A/C system has been designed to fit the engine hood cover to make sure overall dimensions of the loaders stay as compact as possible.

Superior Performance and Reliability

Besides all mentioned advantages the GEHL 40 series come with some extraordinary technical details:

- ✓ The drivetrain on the models SL 4240 / SL 4640 / SL 4840 / SL 5640 / SL 6640 feature heavy-duty drive components.
- ✓ Super power drive chains feature heavy, high strength construction, designed to stand up to rugged conditions.
- ✓ Adjustments can be made to the simple "bow tie" chain system from outside the unit.
- ✓ The forged one-piece axle shafts feature heavy-duty tapered roller bearings and "quad" lip seals with trash protection built-in around the seal area.



Designed for Service Efficiency

The arrangement of the individual components facilitates easy service and maintenance work. This general feature plus the tiltable operator's cabin provide quick access to these components for daily inspection and service. Removeable bottom access plates ensure an easy clean out.



Unique: GEHL-T-Bar-Control



Your advantages:

- Easy to learn / Easy to use
- No complicated hand and foot combinations
- T-bar enables for precise drive control especially in difficult ground conditions

Unique: GEHL-T-Bar/Joystick-Control

The right hand T-bar or Joystick is for all lifting actions

- 1 By moving the T-bar or Joystick forwards or pulling it backwards the lift arm moves in the same direction
- 2 Turning the T-bar or Joystick to the right or left tilts the bucket for loading or dumping



optional

The left hand T-bar controls all drive actions

- 3 Moving the T-bar forwards or pulling it backwards drives the machine forwards or backwards
- 4 Turning the T-bar to the right or left steers the loader in the required direction

Optional Control System

Hand/Foot controls

The Hand/Foot control option features new angle handle controls to include a rocker switch on the right handle for activating the auxiliary hydraulic control. The two handles control forward, reverse and turning movements. The two foot pedals control all lift arm and bucket movements.



Power A-Tach™

In addition to the well-established GEHL ALL-TACH™ mounting plate which is compatible with most allied attachments on the market, the new 40 series has an optional switch on the left control panel which allows the hydraulic controlled locking of the attachment to be engaged or disengaged without even leaving the seat.

SL 7710

The Muscle Machine



For big jobs, you want a big machine with more power, more strength, more speed. In a word, more muscle. With the new 7000 Series Skid Loaders, you get all the muscle you'll ever need with a SAE rated operating load of 1.805 kg and lifting height of 3,6 m. The GEHL philosophy has been to up-grade skid-steer loaders to become an economic alternative to the articulated loaders. Following this strategy the cabin is one of several items which have been improved to provide maximum comfort – including optional air-conditioning.

The long wheelbase of nearly 1.4 m and the perfectly balanced load distribution provide for safe manoeuvring. The optional ride control provides an even smoother ride. This size of loaders is used mainly in ship-trimming, at road construction sites, recycling plants and at maintenance facilities. These are the locations where high-performance attachments are required. The SL 7710's hydraulic system delivers up to 151 l/min. to support a vast variety of attachments.

The GEHL Power-A-Tach™ is a great feature to drivers who need to change from one attachment to another at a snap just by pressing only one control button.



Vertical Lift

True vertical-lift gives you total control and provides consistent forward reach throughout the entire lift cycle.

And with GEHL's hydraulic self-leveling lift action, the load always stays level as the boom rises.

Unmatched:

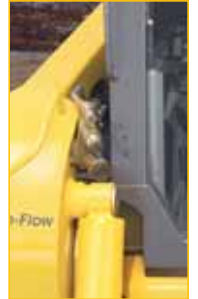
- ✓ LIFT HEIGHT: 4.770 mm
- ✓ HIGHT TO HINGE PIN: 3.607 mm
- ✓ PERKINS 99 HP LIQUID-COOLED ENGINE
- ✓ GROUND SPEED UP TO 20 km/h



GEHL All-Tach system is compatible with most skid loader attachments and makes connecting/disconnecting fast and easy.

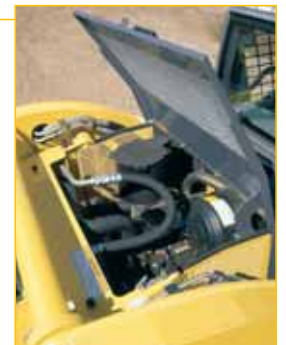
High-flow auxiliary hydraulic system delivers up to 151 l/min to support high-performance attachments.

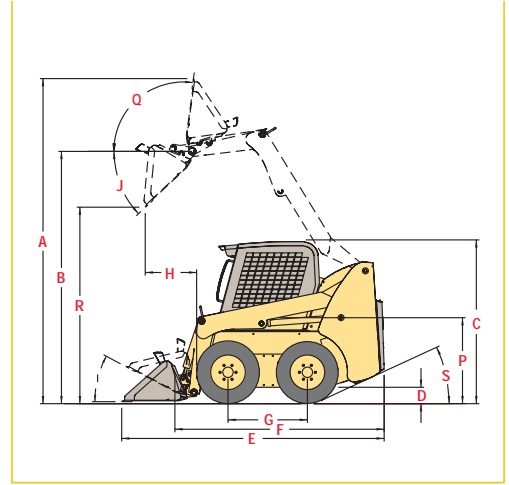
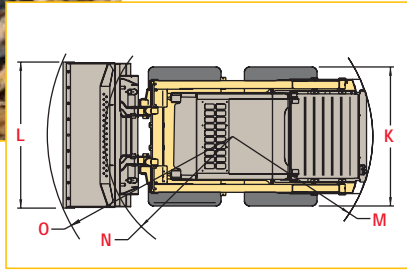
Drip-free, flat-faced auxiliary hydraulic couplers are well protected and conveniently located.



The engine cover features gas-spring assist for easy opening. Removable side panels provide quick access to service points and filters. A build-in hydraulic pump lifts the entire ROPS/FOPS structure up and out of the way for complete access to traction drive and hydraulic components. An optional electric pump is also available for ROPS lift.

A new swing-open rear door, swing-up engine cover, and swing-out cooling package provide quick and complete access to the engine compartment.





Specifications

Dimensions	SL 1640	SL 3840	SL 4240	SL 4640
A. Overall operation height-fully raised	3.110 mm	3.546 mm	3.584 mm	3.785 mm
B. Height of hinge pin-fully raised	2.445 mm	2.746 mm	2.790 mm	2.930 mm
C. Overall height	1.810 mm	1.786 mm	1.830 mm	1.980 mm
D. Ground Clearance (between wheels)	170 mm	152 mm	211 mm	191 mm
E. Overall length (with bucket)	2.500 mm	2.896 mm	2.950 mm	3.120 mm
F. Overall length (less bucket)	1.970 mm	2.258 mm	2.314 mm	2.281 mm
G. Wheel base	778 mm	876 mm	930 mm	950 mm
H. Dump reach	410 mm	579 mm	570 mm	700 mm
I. Rollback at ground	26°	29°	29°	27°
J. Dump angle	43°	42°	42°	40°
K. Overall width (tires standard)	5,7x12 = 890 mm	27x8.5x15 = 1.229 mm**	10.00x16,5 = 1.485 mm**	10.00x16,5 = 1.610 mm
L. Bucket width – standard	1.070 mm	1.380 mm	1.520 mm	1.680 mm
M. Clearance circle-rear	1.218 mm	1.374 mm	1.484 mm	1.511 mm
N. Clearance circle-front (less bucket)	902 mm	1.120 mm	1.102 mm	1.194 mm
O. Clearance circle-front (with bucket)	1.508 mm	1.763 mm	1.758 mm	1.892 mm
P. Seat to ground height		828 mm	853 mm	953 mm
Q. Rollback at full height		99°	99°	86°
R. Dump height	1.890 mm	2.146 mm	2.200 mm	2.270 mm
S. Departure angle		26°	29°	25°



Machine

Operating weight	1.290 kg	1.814 kg	2.096 kg	2.812 kg
Tip capacity	750 kg	952 kg/1.066 kg***	1.340 kg	1.497 kg/1.632 kg***
Operating capacity	375 kg	476 kg/533 kg***	670 kg	748 kg/816 kg***
Breakout force	1.010 kg	1.270 kg	1.345 kg	2.064 kg



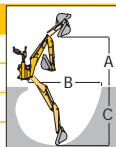
Hydraulic

Loader circuit pump	37 l/min	52 l/min	58 l/min	72/114* l/min
Loader circuit pressure	175 bar	190 bar	190 bar	190/172* bar
Hydraulic reservoir	42 l	30 l	30 l	45 l
Max. travel speed	0 - 9,5 km/h	0 - 10,3 km/h	0 - 10,9 km/h	0 - 13,0 km/h
2-Speed -optional-				0 - 18,0 km/h



Standard buckets -width/volume-

Standard bucket	1.070 mm/0,15 m ³	1.380 mm/0,28 m ³	1.520 mm/0,31 m ³	1.680 mm/0,37 m ³
Utility bucket	1.070 mm/0,22 m ³	1.380 mm/0,35 m ³	1.520 mm/0,40 m ³	1.680 mm/0,57 m ³
Lightmaterial bucket	1.070 mm/0,30 m ³	1.380 mm/0,43 m ³	1.520 mm/0,48 m ³	1.680 mm/0,57 m ³



Backhoe attachment

A. Loading height	1.600 mm	2.000 mm	2.000 mm	2.350 mm
B. Reach from pivot	2.500 mm	2.830 mm	2.830 mm	3.350 mm
C. Digging depth	1.800 mm	2.200 mm	2.200 mm	2.600 mm

Engine

				TURBO
Manufacturer	KUBOTA	YANMAR	YANMAR	DEUTZ
Diesel	D 1105	3TNV88	4TNV88	BF3M2011
Power output max. at rpm	21 HP/16 KW 2.400 rpm	35 HP/26,1 kW 2.500 rpm	46 HP/34 kW 2.500 rpm	60 HP/45 kW 2.500 rpm
Cylinder/displacement	3/1.123 cm ³	3/1.640 cm ³	4/2.190 cm ³	3/2.300 cm ³
Fuel capacity	36 l	38,9 l	47 l	57 l

*HIGH-FLOW-Hydraulic

**Reversible rims: 1.334 mm **Reversible rims: 1.330 mm

***with counter weight

Remarks: GEHL reserves the right to make changes in specifications shown

Tires - optional-								
Specifications	SL 1640	SL 3840	SL 4240	SL 4640	SL 4840	SL 5640	SL 6640	SL 7710
Overall width (w/23-8,5x12 tires)	1.055 mm							
Overall width (w/27-8,5x15 tires)		1.229 mm						
Overall width (w/10.00x16,5 tires)			1.334 mm	1.613 mm	1.613 mm			
Overall width (w/12.00x16,5 tires)				1.702 mm	1.702 mm	1.702 mm	1.702 mm	
Overall width (w/7.00x15 tires)		1.207 mm		1.486 mm	1.486 mm			
Overall width (w/ 31-13,30x16,5)				1.778 mm	1.778 mm			
Overall width (w/14.00x17,5 tires)						1.816 mm	1.816 mm	2.057 mm
Overall width (w/33-15,50x16,5)						1.842 mm	1.842 mm	

SL 4840	SL 5640	SL 6640	SL 7710
3.818 mm	4.115 mm	4.275 mm	4.770 mm
2.930 mm	3.120 mm	3.157 mm#	3.160 mm
2.025 mm	2.060 mm	2.080 mm#	2.060 mm
224 mm	203 mm	231 mm#	231 mm
3.210 mm	3.330 mm	3.590 mm	4.089 mm
2.370 mm	2.426 mm	2.565 mm	3.099 mm
1.050 mm	1.080 mm	1.230 mm	1.397 mm
700 mm	830 mm	871 mm	970 mm
27°	30°	30°	28,5°
40°040°	40°	38°	
12.00x16,5 = 1.690 mm	12.00x16,5 = 1.702 mm	12.00x16,5 = 1.700 mm	14.00x17,5 = 2.057 mm
1.730 mm	1.730 mm	1.830 mm	2.140 mm
1.448 mm	1.679 mm	1.753 mm	2.045 mm
1.194 mm	1.283 mm	1.372 mm	1.539 mm
2.019 mm	2.083 mm	2.299 mm	2.583 mm
986 mm	1.067 mm	1.100 mm	1.041 mm
86°	84°	84°	85°
2.270 mm	2.370 mm	2.410 mm#	2.718 mm
25°	26°	29°	21°

2.939 kg	3.348 kg	3.538 kg	4.654 kg
1.724 kg/ 1.860 kg***	1.996 kg/2268 kg***	2.358 kg/2.630 kg***	3.610 kg
862 kg/930 kg***	998 kg/1.134 kg***	1.179 kg/1.315 kg***	1.805 kg
2.064 kg	2.676 kg	2.676 kg	3.574 kg

72/114* l/min	87/136* l/min	87/136* l/min	110/151* l/min
190/172* bar	206/200* bar	206/200* bar	228/214* bar
45 l	61 l	61 l	57 l
0 - 13,0 km/h	0 - 13,5 km/h	0 - 13,5 km/h	0 - 12,7 km/h
0 - 18,0 km/h	0 - 20,0 km/h	0 - 20,0 km/h	0 - 20,0 km/h

1.730 mm/0,43 m³	1.730 mm/0,54 m³	1.730 mm/0,54 m³	2.140 mm/0,89 m³
1.730 mm/0,59 m³	1.730 mm/0,72 m³	1.830 mm/0,77 m³	2.140mm/ 1,06 m³
1.730 mm/0,62 m³	1.730 mm/0,81 m³	1.830 mm/0,89 m³	2.200 mm/ 1,29 m³

2.350 mm	2.350 mm	2.450 mm	2.450 mm
3.350 mm	3.350 mm	3.900 mm	3.900 mm
2.600 mm	2.600 mm	3.050 mm	3.050 mm

	TURBO	TURBO	TURBO
DEUTZ	DEUTZ	DEUTZ	PERKINS
F4M2011	BF4M2011	BF4M2011	1104C-44
60 HP/45 kW	82 HP/61 kW	82 HP/61 kW	99 HP/73,8 kW
2.500 rpm	2.500 rpm	2.500 rpm	2.200 rpm
4/3.100 cm³	4/3.100 cm³	4/3.100 cm³	4/4.400 cm³
57 l	72 l	91 l	109,3 l

#: with tires 14.00x17,5

herein or add improvements at any time without notice or obligation.

The Highlights

LIQUID-COOLED DIRECT INJECTION ENGINES with engine auto-shutdown to prevent damages through high temperatures or low oil pressure

INTERNAL SERVO CONTROLLED (POWER STEERING)
High gain controllers for excellent response and control (4640 upwards)

ZERO MAINTENANCE AXLES lubricated and sealed for life, requiring no routine lubrication

MAINTENANCE-FREE DRIVE COUPLING
with clamp-style hub to the hydrostatic piston pump

HYDRALOC™-BREAK-SYSTEM

locks lift, tilt and drive systems when operator leaves the seat, raises the restraint bar, or turns off the ignition switch. Brakes are oil immersed multiple discs that require no maintenance

NITRO-STEEL
hardened cylinder rods. Innovative hardening process produces a harder rod that is more resistant to damaging and corrosion

Concealed load arm
HYDRAULIC TUBES
are protected by the boom



HIGH EFFICIENCY ENGINES
with low fuel consumption

2-SPEED option from SL 4640 upwards
Exclusive **POWER-SHIFT-SYSTEM™**

POWER-VIEW™-BOOM
allows unmatched operator visibility while providing extra lifting strength

ENLARGED OPERATOR STATION
offers more seating adjustments, a suspension seat, more comfort and unmatched front, overhead and side visibility

Exclusive
HYDRAGLIDE-SYSTEM™
(optional)

HYDRAULIC SELF-LEVELING LIFT ACTION
upwards

EASY TO SERVICE
due to the optimum access to all components



Featured Equipment

	1640	3840	4240	4640	4840	5640	6640	7710
Auxiliary Hydraulics	STD	STD	STD	STD	STD	STD	STD	STD
Brake Control (auto/manual)	STD	STD	STD	STD	STD	STD	STD	STD
Engine Heater	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
Foot & Hand Throttles	STD	STD	STD	STD	STD	STD	STD	STD
Anti-Vandalism Protection	STD	STD	STD	STD	STD	STD	STD	STD
Full Instrumentation	STD	STD	STD	STD	STD	STD	STD	STD
T-Bar/Joystick Controls	NA	NA	NA	OPT.	OPT.	OPT.	OPT.	NA ^(D)
Hand/Foot Controls (C)	NA	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
Dual-Hand Controls	NA	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
Hourmeter	STD	STD	STD	STD	STD	STD	STD	STD
Hydraloc™-System	NA	STD	STD	STD	STD	STD	STD	STD
Hydrostatic Drive	STD	STD	STD	STD	STD	STD	STD	STD
Independent Hydr. Reservoir	STD	STD	STD	STD	STD	STD	STD	STD
Integral Access Plate (removable)	STD	STD	STD	STD	STD	STD	STD	STD
Lift Arm Support Device	STD	STD	STD	STD	STD	STD	STD	STD
Operational Lights - frt & rear	STD	STD	STD	STD	STD	STD	STD	STD
Operator Restraint Bar with Padded Armrests/Seat Belt	STD	STD	STD	STD	STD	STD	STD	STD
Suspension Seat	STD	OPT.	STD ^(A)	STD	STD	STD	STD	STD
Engine Auto-Shutdown System	NA	OPT.	STD ^(A)	STD	STD	STD	STD	STD
All-Tach™ Attachment Mounting	STD	STD	STD	STD	STD	STD	STD	STD
ROPS/FOPS Level II								
Overhead Guard (with integral side screens)	NA	STD	STD	STD	STD	STD	STD	STD
Self-Leveling Lift Action	OPT.	OPT.	STD	STD	STD	STD	STD	STD
Sound Reduction Package Including Sliding Side Windows	STD ^(B)	STD	STD ^(A)	STD	STD	STD	STD	STD
Spark Arrestor Muffler	STD	STD	STD	STD	STD	STD	STD	STD
Battery Disconnect Switch	STD	STD	STD	STD	STD	STD	STD	STD

- (A) OPT. on rental version
 (B) Not sliding on SL 1640
 (C) No foot throttle available
 (D) Full Joystick Controls OPT.



GEHL's full range of attachments supports time saving and reduced labour costs. The ALL-TACH™-mounting plate allows for quick and easy mounting and dismounting of the individual attachments. The models are suitable for nearly all of the attachments on the market, including products from other manufacturers.



Attachments