

Gehl 1640E vs. Bobcat S70



	Gehl 1640E	Bobcat S70	Gehl Advantage
Rated operating capacity (lbs.)	850	700	21% Greater Operating Capacity
Height to bucket pin (in.)	96	94.5	3% Higher Bucket Pin
Max. dump angle at full height (deg.)	46	36	27% Greater Dump Angle
Bucket breakout force (lbf)	1,494	INA	Excellent Bucket Breakout
Arm lifting force (lbf)	1,771	INA	Excellent Arm Lifting Force
Hydraulic flow (gpm)	10.1	9.8	3% More Hydraulic Flow
Displacement (cu. in.)	81	61.1	32% More Displacement
Net power (hp)	24	23.5	2% More Power
Fuel capacity (gal.)	7.7	7	10% More Fuel Capacity
Rear angle of departure (deg.)	30	26	15% greater Departure Angle
Operating weight (lbs.)	2,980	2,845	Under 3,000 lbs.

The Gehl 1640E also offers:

- Excellent Serviceability
- Excellent Visibility
- ROPS / FOPS Level II
- ALL-TACH® Quick-attach system

OPERATING CAPACITY: Gehl 1640E - 850 lbs. vs. Bobcat S70 - 700 lbs.

The Gehl 1640E skid loader combines exceptional lifting performance with a compact size. The Gehl 1640E is the perfect machine to maneuver through tight spaces while maintaining the ability to move large loads. The 1640E has a rated capacity of 850 lbs. Compared to the Bobcat S70, the 1640E has 21% more (150 lbs.) rated capacity, leading to more material moved per hour. - **ADVANTAGE GEHL!**

Gehl 1640E vs. Bobcat S70

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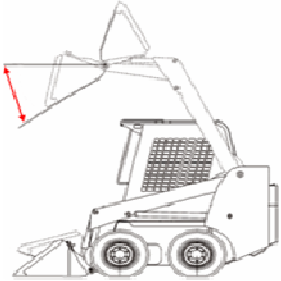
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HEIGHT TO BUCKET PIN: Gehl 1640E - 96" vs. Bobcat S70 - 94.5"

Higher bucket pin heights equate to higher lifting and dumping heights, making a loader more versatile and productive. The Gehl 1640E has 3% higher bucket pin height than the Bobcat S70. - **ADVANTAGE GEHL!**



MAXIMUM DUMP ANGLE: Gehl 1640E - 46° vs. Bobcat S70 - 36°

Maximum dump angle is the angle to which the loader is able to move its bucket for dumping purposes. The greater the dump angle, the easier it is to unload / dump wet and compacted loads. With the Gehl 1640E, loads are able to be dumped without cycling the bucket back and forth, saving time and wear on the machine's hydraulic cylinders. The Gehl 1640E has 27% (10 degrees) greater dump angle than the Bobcat S70. - **ADVANTAGE GEHL!**

DISPLACEMENT / POWER / TORQUE: Gehl 1640E - 81 cu. in. / 24 hp / 68 ft.-lbs. Bobcat S70 - 61.1 cu. in. / 23.5 hp / 45 ft.-lbs.

Horsepower and torque determine the amount of work a piece of equipment can do. The Gehl 1640E provides class-leading power / torque with a Yanmar Tier III 3TNV82 engine. The Yanmar engine is 81 cubic-inches and produces 24 hp and 68 ft.-lbs. of torque. The Gehl 1640E engine is compact and fuel efficient, and produces 2% more horsepower and 51% more torque than the Bobcat S70. The 1640E power plant allows it to have a rated operating capacity of 850 lbs., bucket breakout force of 1,494 lbf, and a lift arm force of 1,771 lbf. - **ADVANTAGE GEHL!**



AUXILIARY HYDRAULIC PUMP FLOW: Gehl 1640E - 10.1 gpm vs. Bobcat S70 - 9.8

A skid loader's hydraulic system flow and pressure determine the power available for different functions. The Gehl 1640E auxiliary hydraulic flow is 10.1 gallons per minute. That's 3% more flow than the Bobcat S70. - **ADVANTAGE GEHL!**



WIDTH: Gehl 1640E - 36" vs. Bobcat S70 - 36"

The Gehl 1640E and the S70 are both extremely compact skid-steer loaders. The Gehl 1640E is 36 inches wide with the narrow tire option (42 inches wide with the wider tire option) allowing it to maneuver through narrow doorways, aisles, and gates. It is even narrow enough to fit in the bed of a pickup truck. - **ADVANTAGE GEHL!**

REAR ANGLE OF DEPARTURE: Gehl 1640E - 30° vs. Bobcat S70 - 26°

Rear angle of departure determines the slope a skid steer can back over or depart from before bottoming out. Larger departure angles make operating in rough terrain much easier. Low departure angles allow materials to wedge behind the machine, making it immobile. This can lead to unnecessary downtime. The Gehl 1640E provides 15% greater rear departure angle than the Bobcat S70. - **ADVANTAGE GEHL!**

OPERATING WEIGHT: Gehl 1640E - 2980 lbs.

The Gehl 1640E has an operating weight of less than 3000 lbs. This lightweight skid loader can be moved very easily and cost effectively. The 1640E can be transported in the bed of a pickup truck, and even towed by most passenger cars. The compact 1640E consumes less fuel during both operation and transport. - **ADVANTAGE GEHL!**



SERVICEABILITY:

The 1640E was designed for durability and ease of serviceability. Normal service items are readily accessible and can be performed quickly. The Gehl 1640E offers a rear door that allows full access to components for servicing and maintenance. The cab can be tilted back to fully expose the engine, hydraulic pumps, and drive motors. Unlike Bobcat, the engine is directly mounted to the hydraulic pump, and there are no belts to maintain or replace. The Gehl 1640E was engineered to make scheduled maintenance and servicing as easy as possible. - **ADVANTAGE GEHL!**



Bobcat:

The Bobcat uses a transversely mounted engine, allowing servicing to only one side of the engine. The hydraulic pump is belt driven and must be maintained. The operator cab is tilt-able to gain access to controls, hydraulic pump, and drive motors.

Direct mount engine-hydraulic pump:

Bobcat promotes their transversely mounted engines with belt-driven hydraulic pumps. Bobcat claims that it reduces engine speeds (even though the S70 runs 600 rpm faster) and gives better access to serviceable parts. The Gehl 1640E directly couples the engine to the hydraulic pumps, requiring no maintenance. Direct-drive type systems are 100% efficient (belt drives, 95%) and position the engine parallel with the wheels, allowing for larger capacity hydraulic and fuel tanks. - **ADVANTAGE GEHL!**



FOPS LEVEL II:

The Gehl 1640E comes standard with FOPS (falling object protective structure) Level II. The Bobcat machines come as Level I. Level I machines offer protection from falling bricks, concrete blocks, and hand tools encountered in highway maintenance, landscaping and other construction site services. Level II is designed to offer protection from falling trees and rocks for machines involved in site clearing, overhead demolition, or forestry. Level II FOPS can withstand 8.5 times more impact energy than Level I.

Level I: The FOPS must protect the operator from a 100-pound steel ball dropped from approximately 10 feet. The ball is dropped over the operator's head, the skylight, and the FOPS bill.

Level II: The FOPS must protect the operator from a 500-pound steel cylinder dropped from approximately 17 feet. The cylinder is dropped over the operator's head, the skylight, and the FOPS bill.



CONTROL OPTIONS:

The Gehl 1640E offers hands-only (T-bar) controls. The hands-only controls come with hand and foot throttles, providing quieter operation and less fuel consumption. -

ADVANTAGE GEHL!

VISIBILITY:

The Gehl 1640E is extremely compact, yet still provides excellent visibility. The cab features large side windows, and there is excellent visibility to the bucket's cutting edge. The Gehl 1640E's excellent visibility and compact size increase productivity and mobility. - **ADVANTAGE GEHL!**

ALL-TACH® QUICK ATTACH SYSTEM:

The All-Tach® quick-attach system makes connecting and disconnecting attachments fast and easy. It is operated with dual handles, and is compatible with most attachments.

TIRES:

The 1640E is available with Titan HD2000 II tires. These tires meet or beat the Bobcat's tires in nearly every category. They offer the same weight, tread depth, and sidewall gauge, but have 50% more rim guard, under tread, and inner-liner gauge.

