

Harvester

688G



 **EcoLog**[®]
Forestry of tomorrow

688G

- Strong, stable, and gentle!

The Eco Log 688G is our powerful eight-wheeled harvester. It has been specifically designed to deliver maximum performance and traction with minimum ground impact – perfect for working on challenging and steep terrain as well as on sensitive soils. The 688G is supplied with a number of updates that make the machine even stronger, smoother, and more stable.

With its modern cab, versatility, and reliable engine, the Eco Log 688G is ready to take on the very toughest jobs with you – day after day.

A large yellow and black harvester is shown in a forest, with its arm extended and grapple open. The machine is positioned on a grassy area with tall trees in the background. The harvester has a modern cab and large, treaded tires. The background is a dense forest of tall, thin trees.

300 kNm
lifting torque

4.1 N/cm²
ground pressure*

*May vary depending on
equipment.

230 kN
traction

HIGH TRACTIVE FORCE

The power of the Eco Log 688G is something that has to be experienced. The transmission and powertrain have been developed to ensure maximum traction thanks to an all-new hydraulic transmission pump and an engine that delivers power with precision. You also get selectable driving modes – just like in your car. Choose between Comfort, Balanced, or Dynamic, depending on the situation and your driving style. There is also an additional Boost function for when you really need that extra bit of power to get around.

MODERN CAB, USER-FRIENDLY CONTROL SYSTEM & HIGH DRIVER COMFORT

In our modern and spacious harvester cab, everything from the lighting, ergonomics, and interior to soundproofing, climate system, and optimal visibility of the work area has been designed to make your working day as comfortable and efficient as possible. To make your life even easier, the cab offers plenty of storage space, charging facilities and, of course, a cooler and lunchbox heater, which you can easily access by turning the seat. The 688G is also equipped with our user-friendly NexSci control system and our ergonomic proprietary keypads. Cab damping is also available as an option, providing a new level of driver comfort. Our aim is to bring a premium feel to your working day – every day.



HIGH RELIABILITY

Eco Log harvesters are powered by Volvo Penta D8 engines, characterized by high performance, great reliability, impressive fuel efficiency, and low emissions.



Service
friendly

HIGH SERVICEABILITY

All Eco Log machines have been designed to be serviced quickly and easily. Thanks to an intuitive HMI, smart features, and easy troubleshooting, daily operations and maintenance are easier to anticipate and can be performed more rapidly and more efficiently than ever.



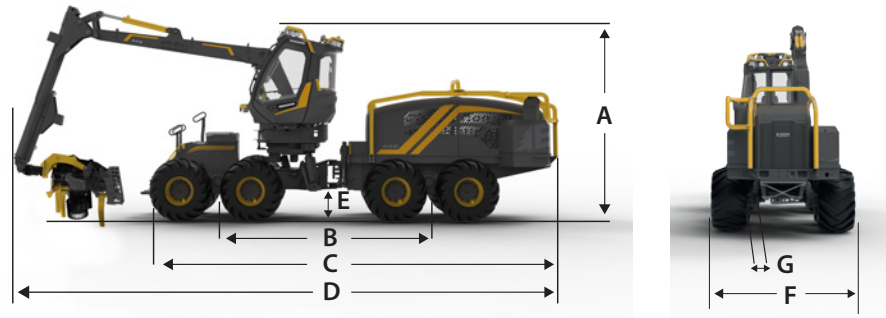
POWERFUL CRANE

Eco Log's proprietary harvester crane is characterized by its strength – and we have now made it even stronger with a new crane valve and an electrically controlled crane pump that adjusts the pressure levels itself. This allows the crane to work smoothly and efficiently even at full crane length.

SMART OSCILLATION LOCK & IMPROVED TILT ANGLES

The oscillation lock on the 688G is now stronger and more stable than ever – and it is also smarter. It is proportionally adjustable and adapts automatically to both driving speed and the position of the crane. The crane base's tilt angles have also been significantly improved, to ensure an even more favorable working position in rough terrain.

Specifications



Dimensions

Standard weight, kg (lbs)	23 500 (51809)
Height (A), mm (in), during transport*	3910 (154)
Height (A), mm (in), during operation	4284** (169)**
Length (B), mm (in)	4530 (178)
Length (C), mm (in)	8570 (337)
Length (D), mm (in)	11065 (436)
Length (E), mm (in)	620 (24)
Width (F), wheels 710 800, mm (in)	2940 3000 (116 118)
Width (F), wheels 710 800, mm (in)***	3000 3060 (118 120)

Engine

Type	VOLVO PENTA D8, 7.7 l
Fulfills emission requirements of	Stage V ⁽¹⁾ /Stage III ⁽²⁾
Power at 2200 rpm, kW (hp)	210 (286)
Torque, Nm (lbf-ft)	1237 (912)
Capacity, fuel tank, l (US gal)	460 (121)

Transmission

Type	Hydrostatic-mechanical
Tractive force, kN (lbf)	230 (51706)
Maximum speed, km/h (mph)	20 (12)

Hydraulics

Crane pump, cm ³ (cu in)	145 (8.9)
Flow at 1600 rpm for crane, l/min (US gal/m)	285 (75)
Head pump, cm ³ (cu in)	145 (8.9)
Flow at 1600 rpm for head, l/min (US gal/m)	285 (75)
Working pressure, bar (PSI)	260 (3771)
Capacity hydraulic tank, l (US gal)	200 (53)

Wheels

Standard	8 wheels 710/45-26.5"
Optional	8 wheels 800/40-26.5"

Cab

Rotation, °	350
Tilt, sideways, °	±19
Tilt, forward/backward, °	15 / 16

Crane

Lifting torque, gross, kNm (lb-ft)	300 (221269)
Reach, m (feet)	10 / 11 (33/36)
Torque, gross, kNm (lb-ft)	50 / 70 ⁽³⁾ (36878 / 51629 ⁽³⁾)

Steering

Steering angle, °	43
Oscillation, articulated joint, °	±20

Electrical system

Voltage, V	24
Alternator, A	130
Battery capacity, Ah	2 x 145

Bucking system

Name	Forester
Color display	Touchscreen, 15.6" widescreen
Operating system	Windows 11

Work lighting

Number	27 work lights, 2 LED bars
Type	LED

Harvester heads

Eco Log	EC 561 LF, EC 661 LF, EC 661 LF Lite
---------	--------------------------------------

(1) Stage V applies even for the USA.

(2) Only available in countries outside EU/USA/Canada.

(3) 70 kN theoretical value for machines equipped with 3 slewing motors (optional).

* Cab tilted back to the maximum and light bar folded down, with tire compressions.

** Working position with light bar

*** Balanced bogie

Product specifications, configurations, dimensions, and weights may vary depending on any optional equipment fitted. Available standard and optional equipment may be market dependent. Eco Log Sweden AB reserves the right to modify its product specifications and designs without prior notice. Photos, diagrams, and illustrations do not always depict products with standard equipment and as such are not legally binding. Fuel consumption data are compiled from test machines in Scandinavia and are affected by many immeasurable factors. As such, they cannot be considered legally binding.