

TREKKER

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REPRINT

SMART DESIGN TRIUMPHS

Finnish brand Norcar was awarded the highest score and outperformed the competitors in this extensive test that compared mini loaders. The top spot is mainly due to the extremely smart and innovative design.

Norcar from Finland have delivered amazing work with the design of this compact loader. The Norcar is very compact and highly manoeuvrable but still offers the operator a spacious cab and easy accessibility to all filters. The loader is equipped as standard with a telescopic boom and has unmatched lifting power which is partly explained by Norcar's ingenious boom placement behind the articulation point. The gross price of this test winner is €61,632, which is €9,000 higher than the average price.

Perfect inch pedal operation

Norcar has created a surprisingly fine mini loader with superb driving characteristics. Both the drivetrain and the hydraulics feel powerful and robust. In addition, this loader is fast and had the smallest turning radius in this test (485 cm), without compromising on stability. The inch pedal can also be operated perfectly. The drivetrain, which consists of four hydraulic engines, functions smoothly and the machine also performed strongly in the pulling force measurements. The driver environment features a fairly large console on the right which the joystick is mounted on. It seems to take up a lot of space in the



The console on the right appears quite large, but doesn't take up as much space as expected in practice. The mini loader is very compact but still offers the driver enough space, including to get in and out of the cab.



cab, but not as much as expected in practice. It also has excellent ergonomics. It's easy to climb in and out and offers great all-round visibility. One criticism is the many identical buttons on the joystick.

Superior quality

The Norcar is only available with a telescopic boom which achieves the highest lift. (332 cm). We measured the highest hydraulic system pressure (256.6 bar) and a large oil flow (70.9 l/min). Partly because of this, the Norcar has immense lifting capacity, and beat the competitors by lifting the highest weight at 2.3 metres above the ground. The machine has the ability to lift a remarkable weight before the rear wheels lift off the ground. This feat is achieved by the ingenious geometry and design which places the boom behind the articulation point. But bear in mind that the result could be very different if you were rotated by 49 degrees because the counterweight rotates faster compared to the others. The boom can be operated with high precision and features a nice detail: you can set and actually read out on the display how many litres of oil per minute are directed to the attachment. The construction quality and finish are excellent. The filters are remarkably easy to access, the construction and welding quality are well finished and paint quality also seems good.

PLUS

- ⌘ Good stability
- ⌘ Lifts heavy loads
- ⌘ Strong drivetrain

- ⌘ Least popular connection/coupling
- ⌘ High noise production engine
- ⌘ Many identical buttons on joystick

MIN

TECHNICAL DATA

Built in:	Finland
Weight (folder):	2534 kg
Weight (weighed):	2549 kg
Weight from:	19/81%
Engine:	3 cylinder Kubota.
Engine power:	49 hp
L×W×H:	306×142×226 cm
Wheelbase:	155 cm
Std price.:	€ 54,995
Price as tested:	€ 61,632

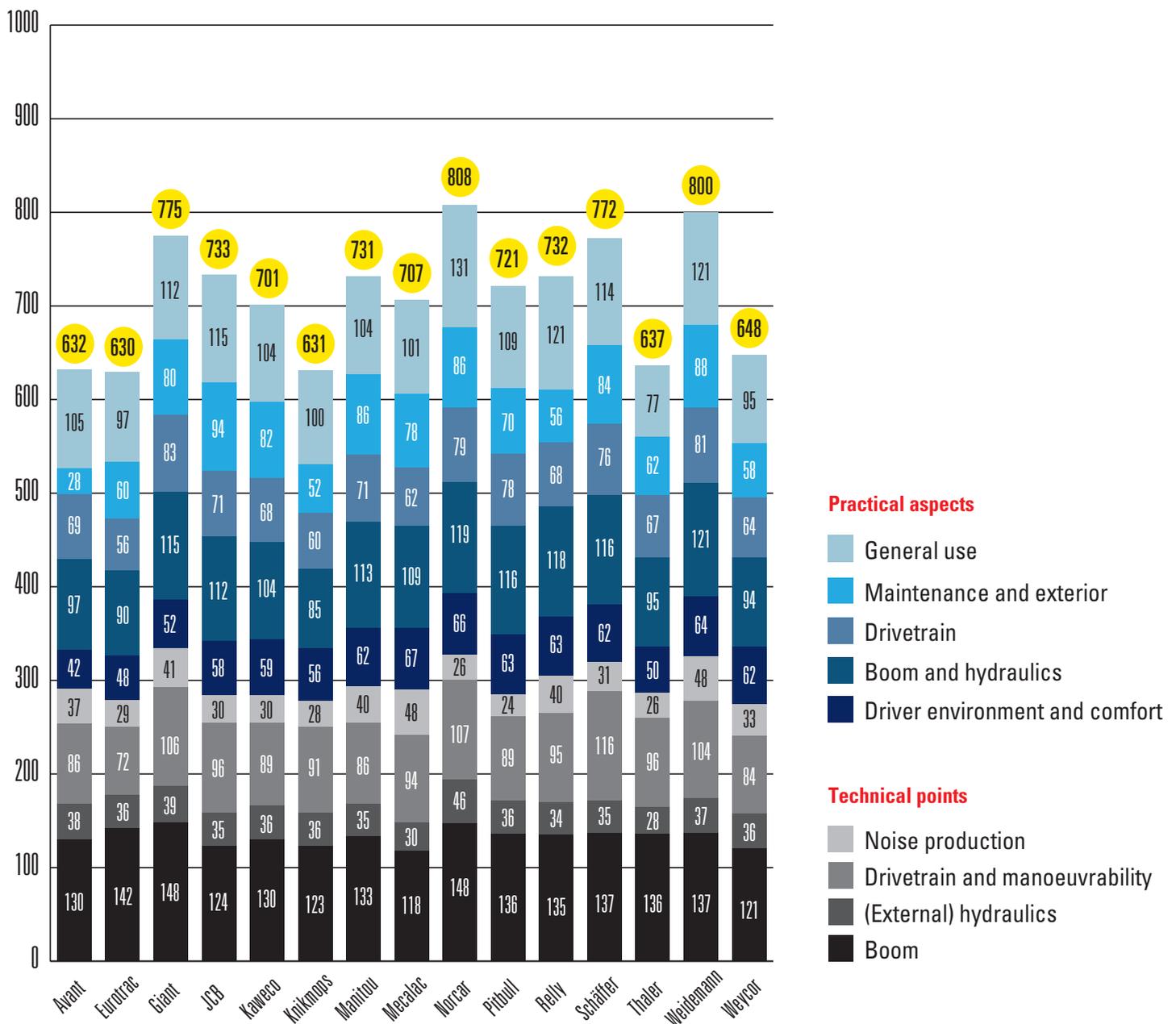
MEASUREMENT RESULTS

		IP	IB
Lifting height (in cm)	238	332	332
Lifting power at 34 cm height (in kg)	1150	2040	2310
Cycle time (in sec.)	22,4	18,0	6,8
Turning radius (in cm)	613	485	485
Pulling force at 0 km/h (in kN)	12,5	16,7	27,8
Noise production at 8 km/h (in dB)	93	91,2	83,1

THESE ARE THE SCORES

The figure here shows the test results of the extensive mini loader test. All the scores have been added up. The technical scores are shown in grey at the bottom. These scores are based on measurement results. Giant, in particular, scores high, as well as Norcar, Weidemann, Schäffer and Relly. The scores above, in blue, are for practical aspects, based on the assessment given by the test team. Norcar scores highest here, followed by Weidemann and Schäffer. The two assessments together form the final result, which is shown in the yellow circles above the bars. There is a 178 point difference between the highest and lowest scores.

Test result: from 630 to 808 points





norcar

Oy Norcar Ab
Fabriksgatan 7
FI-66900 Nykarleby
FINLAND

Tel. +358 (0)6 7812 844
info@norcar.com

www.norcar.com