

LÄNNEN 8600K

LÄNNEN IS A HEAVY-DUTY,
MULTIFUNCTION BACKHOE LOADER
WITH ALL-TERRAIN MOBILITY

K



Lännen

www.lannencenter.com



CABIN

The working environment of the operator is spacious, low-noise and warm. The machine's functions are easy to control from the ergonomic cabin thanks to the excellent visibility.

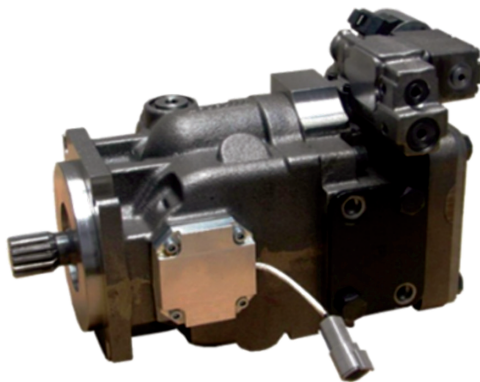
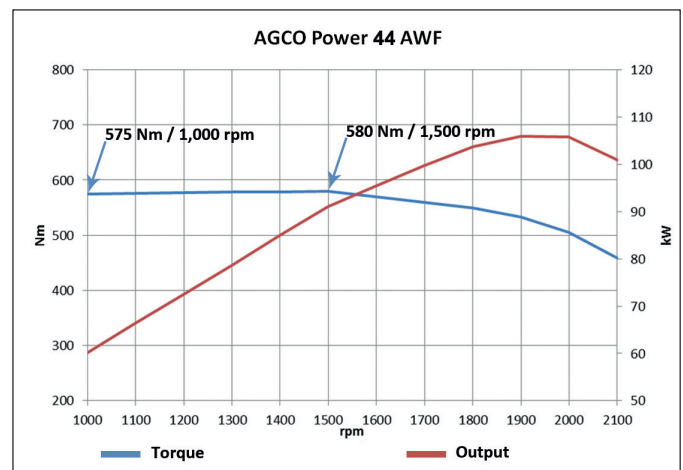
The interior of the cabin has been redesigned, and its width has been increased by 100 mm on the right-hand side of the seat. The all-new steering column, with two articulated joints and height adjustment, provides a pleasant driving position, and can, as required, be turned out of the way to the front. The seat swivels freely, and its new, sturdy armrests are easy to adjust for operators of different sizes and varying operating habits. The control panel, which is now located beside the armrest, includes the switches for the most important functions of the machine.

ENGINE

New Agco Power 44 AWF Diesel engine with low emissions, which complies with Stage 4 emission requirements. The wide range of maximum torque makes it possible to work effectively and economically even at low revolutions. This saves on fuel and reduces the noise level.

The maximum output of the 4-cylinder engine is 106 kW. The emission requirements, according to stage 4, are met without recirculation of exhaust gases (EGR) or a particle filter (DPF), thus saving on cleaning.

The Lännen 8600K challenges even its most strongest competitors.



OPERATING HYDRAULICS

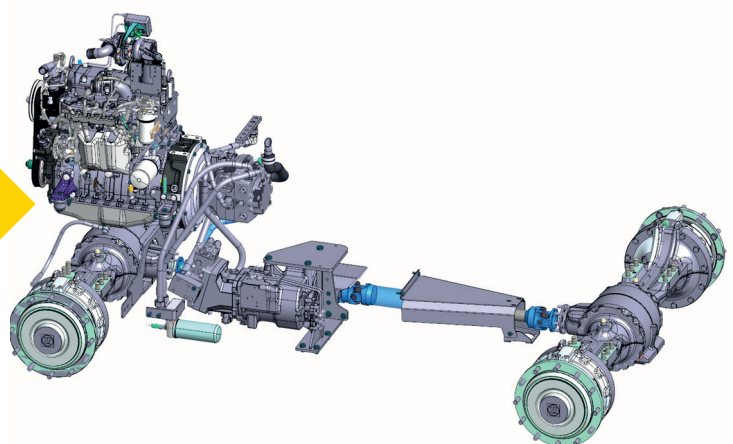
The new, efficient, load-sensing operating hydraulics pump (210 lpm) from Danfoss does not load the engine more than the work at hand requires. Stepless adjustment of the pump's output is available as an option. This makes it possible to direct the diesel engine's output almost entirely to the needs of the operating hydraulics while driving, for example, a flail cutter or a snow-blower.

The new pump increases the speed and effect of the hydraulic system, improves the adjustability, reduces the redundant thermal load and improves the fuel-efficiency of the machine.

TRANSMISSION

The turning angle of the articulated joint of $\pm 42^\circ$ and the frame oscillation of ± 400 mm, together with the high ground clearance and the completely armoured bottom construction, make the machine agile and provides it with excellent off-road properties. The automatic control system of the frame oscillation AOC monitors the oscillation of the frame, and the movements of the backhoe, and optimises the operation of the oscillation lock. This ensures a stable operation during the varying stages of the work.

The new ZF axles improve the weight distribution of the machine. The automatic friction locks in the front and rear axles transmit the drive force swiftly to the wheels with a secure grip. A 100 % gear lock, which can be switched off even while the drive is on, is available as an option.



LÄNNEN 8600K – Technical data



ENGINE

Agco Power	44 AWF
4-cylinder, turbocharged and intercooled diesel engine, complies with Stage 4 emission requirements.	
Displacement	4.4 l
Max. output	1,900 rpm
	106 (145) kW (hp)
Max. torque	580 Nm/1,500 rpm
Torque	575 Nm/1,000 rpm
Capacity of the fuel tank	150 l
Adblue	40 l

ELECTRIC APPLIANCES

Alternator with a multi-groove flat belt with automatic tightening

	24V / 100 Ah
Starter	4.5 kW
Batteries located under the cabin are easy to maintain	
	2 x 170 Ah
Electric engine heater	1,100 W

TRANSMISSION AND GEARBOX

Hydrostatic transmission
Range gearbox Dana, 2-stage, electric control.

Drive speed forward/reverse	1. gear	0...14,6 kph
	2. gear	0...46 kph

AXLES

ZF axles, 4-wheel drive Automatic friction locks in the front and rear, 100 % lock in the rear, as an option. Electric and hydraulic control can also be switched on during driving.

Frame oscillation + / - 400 mm
Automatic steering and control system of the frame oscillation (AOC) as an option.

WHEELS

Front and rear tyres 18.4B30.
Nokia TRI/TL
Rim DW16-30, reinforced by flanging.
Valve guards.

BRAKES

Oil pressure operated brakes in oil bath on the front and rear axles.

Range gearbox operates as parking brake. Electric control.

STEERING

Hydrostatic LS Orbitrol steering.
Steering angle of the articulated joint $\pm 42^\circ$
Turning radius from the centre of the tyre 5.25 m
Steering is also possible via the left control lever.

HYDRAULICS

Danfoss valves, new control and steering systems
Variable displacement axial piston pump, max. flow 210 lpm
Electric output control available as an option.
Max. operating pressure with turbo hydraulics 245 bar
Filling capacity of the hydraulic system 240 l

CABIN

Rops and Fops tested.

Noise level LpA / LWA (measured values) 67.5 / 101.5 dB

The redesigned cabin with an ergonomically ideal form and extremely low noise level provides an increased space, and features new armrests and switch panels. Thanks to the large window panes, the visibility from the cabin to the front, rear and to the sides is unobstructed. In addition, the cabin can be hydraulically tipped in two stages with a manually operated pump.

FRONT LOADER

Mechanical self-level feature, position indicator for the bucket.

Operating pressure, turbo hydraulics	225 -> 245 bar
Lifting force at the lowest position / with turbo hydraulics	6,400 kp/7,000 kp
Lifting force at the highest position / with turbo hydraulics	4,200 kp/5,600 kp
Loading height (bottom of the bucket on a level)	3,470 mm
Recommended bucket volume (depends on the density of the material being loaded)	SAE 1700 l

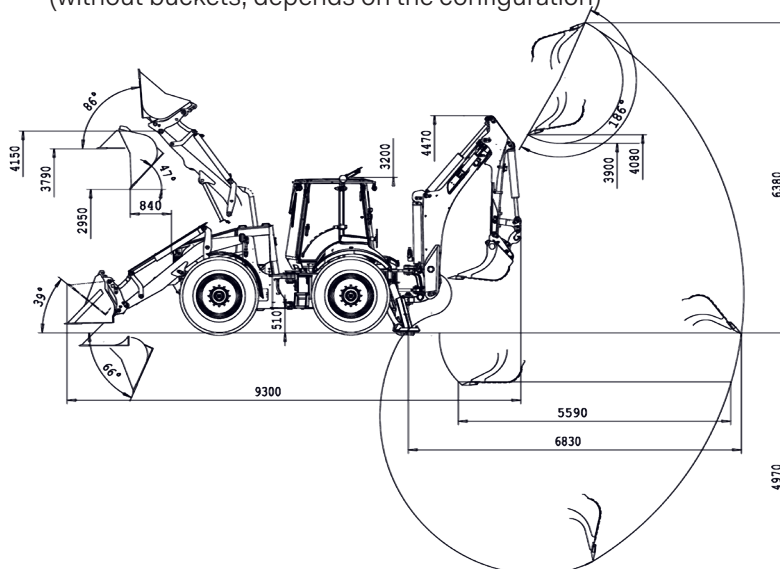
BACKHOE

Knuckle boom, straight backhoe available as an option.

Operating pressure, turbo hydraulics	225 -> 245 bar
Digging reach	6,410 mm
Digging depth	4,500 mm
Loading height, with a level bottom of the bucket	3,860 mm
Swing angle of backhoe	180 + 54°
Lifting force at max. reach / with turbo hydraulics	1,600 / 1,750 kp
Swing torque	4,320 kpm
Recommended bucket volume	SAE 410 l

MAIN DIMENSIONS

Length/width	8,920 / 2,487 mm
Height cabin/backhoe	3,150 / 4,290 mm
Ground clearance	460 mm
Weight approx. (without buckets, depends on the configuration)	11,800 kg



Properties, advantages and gains

MOBILITY

Lännen multifunction backhoe loaders move independently between worksites, with high-level maneuverability around sites and over all types of terrain.

VERSATILITY

Lännen is versatile. It digs, loads, lifts, cleans and transports.

PRODUCTIVITY

The Lännen multifunction machine is always at work throughout the whole year.

ENVIRONMENTAL SUSTAINABILITY

Productivity and environmental sustainability go hand in hand.



Lännen Tractors Oy is part of the international Lännen MCE group. The company develops and produces machinery and appliances, which have excellent total economy. Lännen products are friendly-to-the-environment multifunction machines for urban construction, infrastructure building, and waterway construction.

The company offers solutions, which improve the utilisation rate of the machinery, and at the same time, reduce the expenses and the environmental load.

Lännen Tractors Oy

Hirvikoskentie 242

FIN-32200 Loimaa

Tel. +358 20 7612 200

Fax +358 (0)20 7612 290

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www.lannencenter.com

We reserve the right to make alterations.