Case Study | Agriculture

Lindner

Lintrac 130 tractor

Lindner powers its future with Perkins

For more than 70 years, Austrian based Lindner has been developing and producing tractors and transporters for the alpine and pasture farming industry, cultivated agriculture as well as for municipalities and cities throughout Europe. A family owned business, Lindner is renowned for manufacturing vehicles which offer cross-country mobility, compact and sturdy construction and which use high-quality components.

One of the latest innovations to leave the manufacturing facility in Kundl, Tyrol, is the new continuously variable Lintrac 130 tractor, which was named “Machine of the Year 2020” at Agritechnica 2019.

The new model is the ‘big brother’ of the Lintrac 110 and the continuously variable successor of the Geotrac 4. This allows all the devices for the Geotrac 124 and 134 to be used without modification.

The most powerful tractor in the range

With a performance of 100 kW (134 hp) as well as 530 Nm of torque at 1,500 rpm, with a steep torque increase of over 40 percent, the Lintrac 130 is the most powerful tractor offered by Lindner. These properties enable powerful starting behaviour on slopes and when pulling.

Key Facts

Customer
Lindner

Location
Kundl, Austria

Engine model
Perkins® 904J-E36TA

Application
Tractor

OEM website
lindner-traktoren.at/en

Perkins®
THE HEART OF EVERY GREAT MACHINE

Lintrac 130 tractor

At the heart of the Lintrac 130 is a Perkins® Syncro 904J-E36TA engine. Meeting EU Stage V emission standards, this quiet, compact powerhouse has undergone thousands of hours of real-world engine testing at extreme angles and in harsh conditions.

"Thanks to the close collaboration with Perkins, the engine is so compact that it fits into the small engine bay inclusive of the particle filter and the exhaust aftertreatment system," says David Lindner, marketing and export manager.

Continuously variable transmission

Lindner has further developed the continuously variable TMT11-ZF transmission first used on the Lintrac 110 for the new Lintrac 130 tractor. "In conjunction with the TMT transmission, the Perkins Syncro 3.6 litre engine can operate at reduced speed, making it particularly fuel efficient," notes David.

Another key feature of the Lintrac 130 is its rear hydraulic system which provides 4,900 kilograms-force of hoisting power. David explains: "Our target customer – high use professional meadowland farmers – can now optimally work with two mowers, larger rotors and rakes as well as bail presses."

Available with a top speed of 31 miles per hour, in addition to the Lintrac 130 farming model, a municipal version can also be ordered.

"Perkins engines – and particularly the new Perkins Syncro 904J-E36TA – are ideally suited to our vehicles."

David Lindner, marketing and export manager

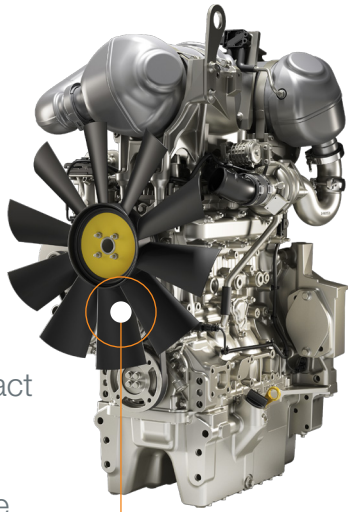
Perkins-powered

Perkins and Lindner have a long history of collaboration – over 55 years – so during the development of the new tractor, and Lindner's Unitrac 92 P5 transporter, which also features a Perkins 904J-E36TA engine, the two companies worked together very closely.

"Perkins involved us very early in the product development work and responded to our requirements," explains David. "For example, the engine was subjected to long-term testing at extreme angles, which reflects how it will be used in practice by our customers.

"Another important consideration was the need to minimise the space required by the engine, which was fully taken into account by Perkins from the first prototype. Perkins engines – and particularly the new Perkins Syncro 904J-E36TA – are ideally suited to our vehicles."

David continues: "It's our goal as a business to always provide our customers with vehicles that make their work more efficient and meet their specific requirements. With our new machines – and the Perkins Syncro engines that power them – we'll bring our customers even more success."



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