

Terra Variant 650 Press Release

Efficiency through power

Schierling/Eggmühl, 17/10/2023

The Terra Variant 650, which was already presented online in 2021, will be shown live to the public for the first time at the world's leading trade fair for agricultural technology, Agritechnica 2023 in Hanover from 12 to 18 November 2023. The machine sets standards in terms of impact, efficiency and convinces with its operating concept.

The Terra Variant 650 stands for the greatest power together with low fuel consumption. With the 652 HP / 480 kW which are drawn from its Mercedes-Benz OM 473 LA 15.6 l capacity six-cylinder in-line engine, the Trac is ideally suited to the heaviest pulling tasks.

Continuous variable power-split transmission is built into the tractive unit which ensures optimum power transmission and a high degree of driving comfort. The Kessler LV 3000 continuous CVT transmission is designed for 3,100 Nm torque at 1,300 rpm. The maximum traction is available at start-up – and the vehicle drives 100% hydrostatically. Within the main working area as from 12 km/h, power is transmitted in the gearbox purely mechanically for the greatest tractive power and maximum efficiency. The 40 km/h top road speed is already reached at a fuel-saving 1,250 rpm.

The new, fully integrated HOLMER SmartDrive operating concept with vehicle control and attachment control in one terminal guarantees maximum operating convenience. Everything for driving over fields can be operated with one hand with the joystick, from the suction arm to operating the three-point linkage. Several functions can now be laid individually on the drive lever such as the steering system activation or the three-point freewheel. A fully hydraulic, automatically pivotable Category IV three-point permits all degrees of freedom for attachments in both crab-steering mode and in bends when travelling in a straight line.

Various tyre variants which all permit driving with completely automatic steering and comply with a vehicle width of 3.00 m ensure maximum soil protection. Michelin MegaXBib 1050/50 R32 T2 grassland profile tyres are standard equipment for the Terra Variant 650 - further tyres are optionally available. Low tyre pressures, large contact areas and high rolling-over speeds conserve both the soil and the grass cover and prevent harmful compaction. Michelin SprayBib VF 380/90 R46 twin tyres with an outer width of 3.40 m are available for deployment with maize.

The slurry attachment with a 21 m³ volume tank has extremely efficient slurry technology on board. A standard 10-inch intake tract and the intelligent piping ensure the greatest efficiency during intake and output. HOLMER has relied on proven technology for the slurry pump: the Vogelsang VX215-320 Q rotary piston slurry pump with a maximum capacity of 11,800 l/min is available in addition to the 9,000 l/min Vogelsang VX186-368QD rotary piston slurry pump.

Slurry is even more evenly spread by the HOLMER slurry control with continuous fill level measurement. Paired with a GPS steering system, the use of precision farming applications such as Section Control and Variable Rate Control is possible for exact and site-specific quantity control via application map. Trimble or TopCon steering systems can be relied upon as needed. The Zunhammer VAN-Control NIRS sensor, with which nutrient-controlled application is possible, is available as an option.

All suction hindrances can be overcome with the 5.7 metre suction pipe which can be pivoted in all directions. The pipe's automatic contact pressure control ensures a gentle suction process between the feeder vehicle and the Terra Variant.

The variable tractive unit is designed so that in the future a sugar beet bunker and a spreader attachment can be realised in addition to the slurry attachment.



Image: Terra Variant 650

Caption: Powerful and sustainable work for everyone. The Terra Variant 650 - for high application rates and intensive slurry incorporation. (Photo: Holmer)

Contact:

HOLMER Maschinenbau GmbH

Michaela Dotzler

Head of Marketing and Communications

Regensburger Str. 20

84069 Schierling/Eggmühl

Phone: +49 (0)9451/9303-3335

E-Mail: michaela.dotzler@holmer-maschinenbau.com

More information:

www.holmer-maschinenbau.com

About HOLMER

HOLMER Maschinenbau GmbH is the global market leader in the field of self-propelled sugar beet harvesters and expanding in carrier vehicles. As a modern, medium-sized engineering company based in Eggmühl/Schierling, Holmer develops, produces, markets and supports HOLMER technologically leading agricultural machines. With HOLMER subsidiaries in France, Poland, the Czech Republic, Egypt, Ukraine, Turkey and the USA and a representation in China, the company has more than 400 employees.

Founded in 1969, HOLMER developed the first 6-row self-propelling sugar beet harvester in 1974. More than 4,300 beet harvesters have left the works in Eggmühl since then. Worldwide, HOLMER machines are driving customers to success in more than 40 countries.

With the Terra Dos 5, HOLMER presents its latest-generation beet harvester. The Terra Dos 5 builds on the proven success of the predecessor model and sets new standards. The driver and the economic efficiency of the machine are the main focus. Furthermore, with the Terra Felis 3 evo self-propelled beet cleaning loader and the drawn RRL 200 eco bunker loader, HOLMER is positioning itself as a full-liner in the field of sugar beet harvesting and loading technology. In addition, the self-propelled Terra Variant has been setting new standards in the soil-conserving spreading of fertiliser and in the area of field logistics for many years. Power and efficiency are particularly in focus. With the SecatFlex SL slurry hoe, HOLMER offers their first own attachment for directly spreading slurry with simultaneous weed control in row crops.