

Technical Data

Engine:	DEUTZ BF06M 1013FC
Engine rating:	223 kW (299 HP) at 2300 rpm; 185 kW (248 HP) at 1700 rpm
Drive:	<ul style="list-style-type: none"> • Mechanical axles at front and rear • Axles driven via propeller shafts • The two axles are connected by a hydrostatically driven 2-speed transfer box • Creeper gears can be engaged separately
Axles:	Front: planetary steering axles with brakes Rear: planetary steering axles with brakes
Locks:	Front and rear axles are provided with controllable differential locks
Driving speeds:	<ul style="list-style-type: none"> • Creeper gear: 0 - 0,09 km/h • 1st gear: 0 - 12 km/h steplessly variable • 2nd gear: 0 - 25 km/h steplessly variable
Hydraulic system:	Drive: Bosch/Rexroth PTO: Casappa
Comfort cabin:	<ul style="list-style-type: none"> • Sound-insulated, glazing for panoramic vision • Air conditioning, Auxiliary heating • Pivotable side windows, Sun visor • Radio
Lighting:	2 rotating beacons 12 working lights Xenon front (optional)
Warning device:	Hydraulic oil and engine oil monitoring by acoustic and visual warning signals
Steering: (preselectable steering combinations)	<ul style="list-style-type: none"> • Single-axle steering • Automatic steering • All-wheel steering
Central lubrication:	BEKA-MAX
Fuel tank:	approx. 1.050 l
Overall length:	approx. 13.00 m
Overall width:	3.00 m
Overall height:	3.96 m
Wheelbase:	4.50 m
Tyres:	650/75 R32 x M28
Transfer height:	approx. 6.00 m
Loading width:	12.30m - 13.00 m (optional)
Loading angle:	pivotable to the right or left up to a swing angle of 300°
Pick-up width:	approx. 9.00 m
Active cleaning track:	approx. 9.00 m
Subject to technical modifications!	



Terra Felis

Terra Felis – excellence without compromise!



Hydraulically driven sliding wedge



The new fully glazed comfort cabine

The full range

With the Terra Felis, HOLMER has completed its range of equipment for sugar-beet harvesting. Tuned to perform, the new self-propelled cleaner loader has been designed for a high performance combined with maximum economic efficiency. Thanks to its practice-proven mechanical equipment, robust beet pick-up system and cleaning units providing a high level of convenience at work, the Terra Felis is a reliable partner for beet cleaning and loading applications.



The roller cleaner (optional)



The transfer conveyor can be swung around 300° to the right or the left via two hydraulic ring gears.

Symbiosis of comfort and performance

The Terra Felis's cab offers a high degree of operating comfort, thus facilitating the operator's work and contributing to his being able to exploit the machine's performance potential to the full. All functions can be performed easily from the comfortable seat with an ergonomic joystick. The fully glazed cab provides perfect forward and lateral vision. Two cameras; below the pick-up and on the transfer conveyor help control sugar-beet pick-up and loading in an optimum fashion.

The powerful DEUTZ engine (223 kW) operates at low RPM, ensuring low diesel consumption with maximum loading performance of over 250 tonnes/hour. Quality hydraulic components ensure extremely long term reliability. Hard-wearing components result in lower operating costs.



A clean performance

The Terra Felis' highly efficient pick-up, cleaning and loading technique is designed for maximum performance while being extremely gentle on the sugar beets. The 9.0 m wide pick-up can take silo clamps measuring up to 8.5 m in a single operation. The variable-speed finger rollers of the pick-up are gentle on the beet when picking them up. Sugar beet can be loaded by Terra Felis from the field clamp, or just as reliably from level concrete using optional equipment.

The sliding wedge working horizontally in front of the pickup rollers ensures that the sugar beet slip in continuously, even under extreme circumstances, e.g. frozen beet clamps. The pick-up assembly performs active pre-cleaning of the beet crop, removing soil and organic matter. The forced-feed conveyor is followed by an open centre web which transports the beet to the second active cleaning element, i.e. the roller cleaner. The roller cleaner consists of four 3.25 m long counter-rotating, reversible pairs of rollers. Thus, the Terra Felis ensures optimum cleaning quality.

Perfect loading

The pivotable roller cleaning system and the transfer conveyor of the Terra Felis with up to 13 m transfer width and a loading height of up to 6 m can be swung around 300° to the right or the left via two hydraulic ring gears.

Under extreme conditions, the forced-feed conveyor, which is designed as a closed web, prevents loose soil and organic matter from building up below the pick-up and in front of the 1st axle, thus impairing speedy pick-up of beet.

Optional modules for retrofitting, such as the clearing augers below the pick-up, always help keep the front wheels free, even in case of heavily soiled beet. On level hard surfaces or concrete areas, a fixed pick-up rake protects the finger roller against wear and the sugar beet against damage.