

Felix 4-WD special forestry tractor

Technical specification

Type	Felix 208.5 4-WD F	Felix 208.5 4-WD K	Felix 208.5 4-WD V
Engine	Deutz TCD 6.1 Stage V		
Performance	133 kW/ 180 hp or 174 kW/ 236 hp (at 2,100 rpm as per ISO14396)		
Torque	818 Nm at 1,500 rpm or 1072 Nm at 1,500 rpm		
Cylinders/ displacement	6/ 6,057 cm³		
Exhaust-gas aftertreatment	SCR catalyst, for exhaust gas aftertreatment, performance (ISO 14396)		
Tank capacity	220 l		
Transmission	Pfanzelt hydra2POWER		
Specifications	Hydrostatic, infinitely variable drive, 2 pumps with 2-motor technology (each axle with one unit), drive with constant velocity drive shaft at the front and with PTO shaft coupling at the rear, hydraulic motors with wide angle technology up to 45°, max. Tractive force approx. 142 kN at 1,600 rpm, Diesel engine, hydrostatic change of direction, reversing gear (forward/reverse), driving speed from 0-39 km/h, hydraulic spring accumulator, parking brake		
Frame	Machine frame of fine-grain steel, box-type construction, central spar		
Telescopic central spar	-	-	• (1,200 mm)
Loading space	4,440 mm length	-	3,240 mm/4,440 mm
	2,070 mm width	-	2,070 mm width
	3.2 m² loading cross-section	without impact grid	3.2 m² loading cross-section
Axles	Kessler front axle (planetary rigid axle), load capacity 29 t Rear axle (planetary axle with Ackermann steering) Kessler, load capacity 29 t		
All-wheel drive	permanent all-wheel drive with hydraulic longitudinal differential electro-hydraulic lock can be engaged and disengaged at the front and rear axle		
Steering	Hydrostatic steering with separate oil circuit, Steering column adjustable in height and inclination, can be folded away during the work Combined steering function consisting of articulated and Ackermann steering in the rear, can be operated separately off-road via joystick, for driving on public roads by steering wheel (only articulated steering), rear steering locked		
Hydraulics	Pressure and volume-controlled axial piston pump in load sensing design, performance: 200 l. at 215 bar, pilot valves: Electrically proportionally controlled valves, actuated via electronically programmable control unit, joystick (Colt version), 160 l hydraulic tank.		
Control valves	Electrical, proportionally controlled valves, actuated by an electronically programmable control unit, joystick (Colt version)		
Electronics	Operating terminal, push-button operation integrated at the operator's stand, functions for crane settings, cable winch, differential, steering		
Cab	Large-volume, air-suspended cab with all-round visibility (over 7 m² window area), two large roof windows at the rear and front, safety cab according to ISO standards (ROPS) Rear window made of 12 mm mono-polycarbonate (regulation for use with cable winches)		
Air-sprung swivel seat with seat heating	The complete control station can be rotated through 340° by an electric motor Joystick supports on both armrests		
Ventilation	Heating with 3-stage blower, automatic air conditioning		
Fire extinguisher	• (integrated into cabin)		
Lighting	12 worklights integrated into the cab roof.		
Tyres	optionally: 600/65-34" 620/75-26" 710/55-34'	optionally: 600/65-34" 620/75-26" 710/55-34'	optionally: 600/65-34" 620/75-26" 710/55-34'
Additional standard equipment	Removable fenders, 2 large storage boxes, pneumatically controlled step		
Empty / admissible total weight	Depends on the equipment / 18.0 t (40 km/h)		