

# Technical data.



- ▲ Drive train
- Perfectly coordinated drive components
  - Linear drive train for efficient power transmission
  - Durable, continuously variable CLAAS CMATIC transmission



- ▲ Chassis
- Available with crawler tracks or dual tyres

- ▲ Horsepower
- Mercedes-Benz 6-cylinder engines with 15.6 l cubic capacity
  - 653, 585 and 544 hp at 1600 rpm
  - 3100, 2.850 and 2.700 Nm torque at 1300 rpm

▼ Dimensions and weights



XERION		12.650 TT	12.650 TRAC	12.590 TT	12.590 TRAC	12.540 TT	12.540 TRAC
<b>Engine</b>							
Manufacturer		Mercedes-Benz	Mercedes-Benz	Mercedes-Benz	Mercedes-Benz	Mercedes-Benz	Mercedes-Benz
Number of cylinders		6	6	6	6	6	6
Emissions standard		Stage 3					
Cubic capacity	cm <sup>3</sup>	15600	15600	15600	15600	15600	15600
Nominal engine speed	rpm	1900	1900	1900	1900	1900	1900
Idle speed	rpm	650	650	650	650	650	650
Rated output (ECE R 120) <sup>1</sup>	kW / hp	450 / 612	450 / 612	425 / 578	425 / 578	381 / 518	381 / 518
Max. output (ECE R 120) <sup>1</sup>	kW / hp	480 / 653	480 / 653	430 / 585	430 / 585	400 / 544	400 / 544
Maximum torque	Nm	3100	3100	2850	2850	2850	2850
Engine speed at maximum output	rpm	1600	1600	1600	1600	1600	1600
Engine speed at max. torque	rpm	1300	1300	1300	1300	1300	1300
Fuel tank	l	1400	1400	1400	1400	1400	1400
Urea tank	l	90	90	90	90	90	90
Oil-change interval	h	1000	1000	1000	1000	1000	1000
<b>CMATIC continuously variable transmission</b>							
Transmission type		Hydrostatic-mechanical, split-power					
Output		Four-wheel drive, permanent					
Min. speed at rated engine speed	km/h at rpm	0.05 at 1900	0.05 at 1900	0.05 at 1900	0.05 at 1900	0.05 at 1900	0.05 at 1900
Max. speed at engine speed	km/h at rpm	40 at 1400	50 at 1800	40 at 1400	40 at 1400	40 at 1400	40 at 1400
PTO speed at engine speed	rpm	1000 at 1500	1000 at 1500	1000 at 1500	1000 at 1500	1000 at 1500	1000 at 1500
Automatic PTO engagement/ disengagement		standard	standard	standard	standard	standard	standard
<b>Axles</b>							
Differential lock		100% lockable, electrohydraulic actuation, lamella construction, with automatic function					
<b>Hydraulics</b>							
Type		Load sensing system (pressure- and volume-controlled)					
Max. pressure	bar	200	200	200	200	200	200
Max. output with 1 pump (standard)	l/min	220	220	220	220	220	220
Max. output with 2 pumps (option 1)	l/min	445 (220+225)	445 (220+225)	445 (220+225)	445 (220+225)	445 (220+225)	445 (220+225)
Max. output with 3 pumps (option 2)	l/min	537 (220+225+92)	537 (220+225+92)	537 (220+225+92)	537 (220+225+92)	537 (220+225+92)	537 (220+225+92)
Max. number of spool valves		4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8
Max. flow rate per spool valve	l/min	105 / 140	105 / 140	105 / 140	105 / 140	105 / 140	105 / 140
Hydraulic oil tank	l	120	120	120	120	120	120
Max. drawable oil volume	l	80	80	80	80	80	80
<b>Hitches</b>							
Drawbar, cat. 4	max. kg	5000	5000	5000	5000	5000	5000
Drawbar, cat. 5	max. kg	5000	5000	5000	5000	5000	5000
Drawbar with K 80 hitch ball	max. kg	5000	5000	5000	5000	5000	5000
<b>Rear linkage</b>							
Category		4N, double-acting	4N, double-acting	4N, double-acting	4N, double-acting	4N, double-acting	4N, double-acting
Max. lift capacity	kg	13600	13600	13600	13600	13600	13600
Continuous lift capacity	kg	10000	10000	10000	10000	10000	10000
<b>Cabs</b>							
Display		CEBIS 12" touchscreen					
Suspension		4-point cab suspension, mechanical					
Driver's seat	variants	Fabric / wool / leather, swivels 40° to the right, heated, ventilated, high backrest					
Infotainment	standard / optional	Radio with sound system / radio with sound system and DAB+ incl. subwoofer, gooseneck microphone					
Comfort	variants	Spacious cab, automatic climate control, cool box with active cooling, footrests at front / side					
Lighting	standard / optional	20 LED 360° - 32,600 lm / 22 HP LED 360° - 53,400 lm					
<b>Digital systems</b>							
Steering system	standard / optional	GPS PILOT Ready / GPS PILOT CEMIS 1200 incl. 5-year SATCOR 15 by Trimble RTX or RTK ± 2-3 cm					
Networking	standard	Machine connect 5 years incl.					
<b>Dimensions and weights</b>							
Overall length to end of drawbar, without front weight	mm	7160	7160	7160	7160	7160	7160
Overall length to end of drawbar, with front weight	mm	7760	7760	7760	7760	7760	7760
Overall length, without front weight and with rear linkage in horizontal position	mm	7350	7350	7350	7350	7350	7350
Overall length with front weight and with rear linkage in horizontal position	mm	7980	7980	7980	7980	7980	7980
Overall height	mm	3965	3736-3870	3965	3736-3870	3965	3736-3870
Max. overall width with 762 mm belts	mm	2980	-	2980	-	2980	-
Max. overall width with 914 mm belts	mm	3285	-	3285	-	3285	-
Max. overall width with 800/70 R 42 dual tyres	mm	-	5225	-	5225	-	5225
Wheelbase	mm	3600	3600	3600	3600	3600	3600
Kerb weight (with tyres / crawler tracks, full tank, 75 kg driver, without rear linkage and PTO)	kg	25400	19000	25400	19000	25400	19000

- not available  
<sup>1</sup> Meets ISO TR 14396

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