XERION 3800
SADDLE TRAC

CLAAS

XERION
The Logistics Solution.

Full chassis design.

The full chassis design of the XERION is designed to carry the heaviest of loads. The technically permissible maximum mass per axle of 18 tonnes gives a total permissible axle loading of 36 tonnes. The transmission and engine are mounted separately on silent block bearings for low vibration. The result is an exceptionally robust and stable vehicle with a high load capacity.

Pivoting rear linkage.

As an option, the XERION can be supplied with a pivoting rear hydraulic linkage. This means that attachments using the three-point hitch are automatically brought into alignment with the direction of travel when driving in the offset gentle mode (crab steering).

Perfect in detail, unbeatable overall.

CEBIS terminal with six steering modes, including automatic crab steering

Automatic guidance system using GPS PILOT

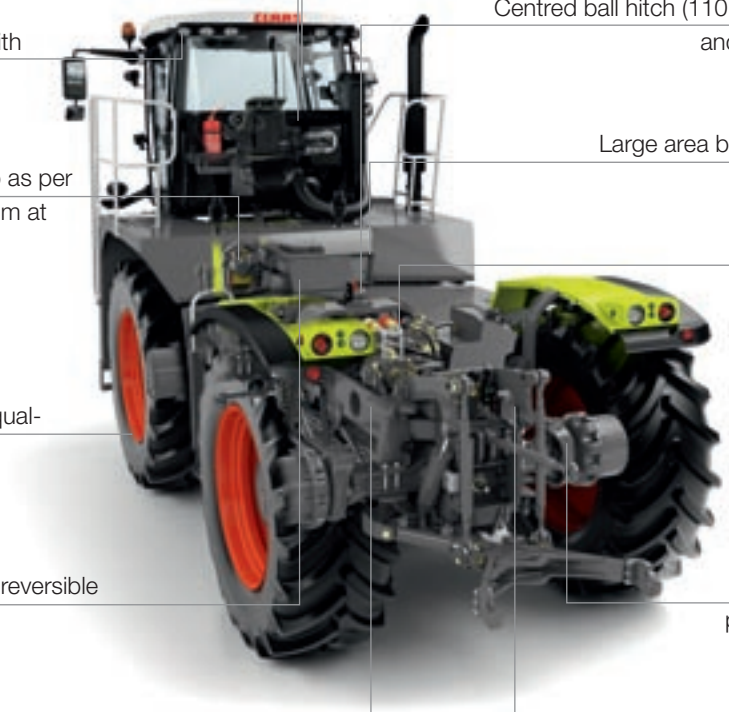
Centred ball hitch (110 mm) with 15-t tongue load and central lubrication system

Superb night-time vision with up to 14 spotlights

Large area behind the cab for mounting equipment

Max. motor output: 379 hp as per ECE R 24; torque: 1,620 Nm at 1,400 rpm (XERION 3800)

Optional fuel-saving power hydraulics with 90 kW maximum power



TRAC concept with four equal-sized wheels for maximum traction power

Continuously variable, fully reversible 50 (40)-km/h transmission

Steering axles with permanent four-wheel drive

Full-frame design for maximum load handling

Pivoting rear linkage

The right machine for every application.

Drilling.

An extra add-on tank with a capacity of up to 11 cubic metres markedly increases daily output during sowing by cutting down on idle time.

Applying mineral fertiliser.

Using the same mounted tank, the SADDLE TRAC can be transformed into a self-propelled machine for mineral fertiliser application. With its two driven axles, it can apply fertiliser from early in the season, giving up to four times more coverage.

Tillage.

The SADDLE TRAC is just as suitable as a TRAC for high-performance tillage work. Perfect weight distribution via both axles provides for enormous tractive power.

Mounted slurry tank.

With a slurry tank mounted, the SADDLE TRAC can transport and spread up to 15 cubic metres of liquid manure.

Straddle-mounted slurry tank.

A ball hitch with a load capacity of 15 tonnes can be mounted centrally on the vehicle, allowing loads such as a straddle-mounted slurry tank of up to 30 cubic metres to be evenly distributed across the axles.

Airport operations and industrial applications.

Thanks to its versatility as a carrier vehicle, the SADDLE TRAC can also be used in a variety of applications outside the agricultural sector.

XERION 3800 SADDLE TRAC

Engine		
Caterpillar 6-cylinder engine, turbocharger, charge-air cooler		●
Cubic capacity	cm^3	8804
Nominal engine speed	rpm	2100
Rated output at 2100 rpm as per ECE R 24	kW/hp	253/344
Rated output at 2100 rpm as per ECE R 120	kW/hp	268/364
Max. output at engine speed as per ECE R 24	kW/hp at rpm	279/379 at 1800
Max. output at engine speed as per ECE R 120	kW/hp at rpm	285/388 at 1800
Max. torque at engine speed	Nm at rpm	1620/1400
Fuel tank capacity	l	620
Transmission		
CMATIC (infinitely variable drive), ZF ECCOM 3.5		●
Maximum speed in either direction	km/h	40/50
Rear PTO at 1000 rpm, shaft stub (optional)		1¾" (20 splines and 6 splines)
Longitudinal differential		100% lockable, lamella construction
Powered steered axles		
Differential locks		100% lockable, electrohydraulic actuation, lamella construction, with automatic function
Running gear		
TRAC concept		Four large, equal-sized wheels
Steering		All-wheel steering, front-wheel/rear-wheel steering, crab steering
Weight distribution (front)		60%
Weight distribution (rear)		40%
Technically permissible max. mass on axle at up to 40 km/h	t	12
Technically permissible max. mass on axle at up to 50 km/h	t	11.6
Brakes		
Service brake		Hydraulically actuated wet multi-disc brakes, auxiliary power reinforced, on all wheels
Parking brake		Electrohydraulically disengaged spring-loaded brake
Hydraulic system		
Max. hydraulic tank capacity	l	130
Max. drawable volume	l	80
Main circuit (linkage, auxiliary spool valves)		
Max. operating pressure	MPa/bar	20/200
Max. flow rate	l/min	150
Max. number of auxiliary spool valves		5
Max. flow rate per disc	l/min	110
Max. hydraulic output	kW	45
Power hydraulic system (optional)		
Operating pressure	MPa/bar	26/260
Max. flow rate at rated speed 2100 rpm	l/min	235
Max. power output (at min. 1200 rpm)	kW	90

● Standard

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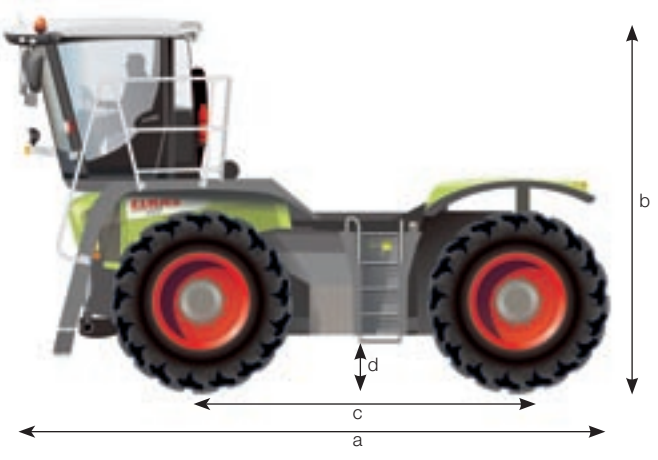
Connection unit		
Automatic hitch, D38 bolts, spherical	kg	2000
Hitch with hitch ball, ball system 80	kg	2000
Headstock, Piton Fix	kg	3000
Headstock with ball system 80	kg	4000
Drawbar, short, D33, D40, D50 bolts	kg	3000
Drawbar with ball system 80	kg	3500
Hitch ball behind cab, 110 mm	kg	15,000
CUNA D3, 50 mm	kg	2500
Front linkage (optional)		Category III N, dual-acting
Continuous lift capacity	kN	70
Maximum	kN	82
Lifting range	mm	841
Shifting function		Raising, lowering, float position
Rear linkage (optional)		Category III/IV, dual-acting
Continuous lift capacity	kN	115
Maximum	kN	117
Lifting range	mm	756
Shifting function		Raising, lowering (pressing), float position
Control function		Locational/tractional resistance, vibration damping
Pivoting linkage (optional)		
Max. weight of attachment	t	max. 3.5
Dimensions and weights		
Overall length without front weights (a)	mm	6630
Overall width	mm	min. 2490
Overall height, depending on tyres (b)	mm	3930
Wheelbase (c)	mm	3300
Ground clearance, depending on equipment (d)		32" wheel diameter, 470 mm; 42" wheel diameter, 570 mm
Minimum turning circle	m	12
Tare weight (without tyres)	kg	10,200



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