

# TECHNICAL DATA

# AGROTRON X 710 • X 720

Type		X 710	X 720
<b>Engine</b>			
Liquid cooled DEUTZ diesel engine	Type	TCD 2013 L06 4V	
Cylinders/cubic capacity	No./cm <sup>3</sup>	6/7,146	
Bore/stroke	mm	108/130	
Injection system		DCR (DEUTZ Common-Rail) with 1,600 bar injection pressure and 6-hole-injectors	
Rated power (2000/25 EC)*	kW/hp	161/219	193/262
Max. power (2000/25 EC)*	kW/hp	178/242	198/270
Max. power with DPC	kW/hp	184/250	202/275
Electronic engine control (EMC)		standard	
Maximum torque	Nm	961	1,052
Constant torque range	rpm	1,100 - 1,600	1,300 - 1,650
Torque rise	%	35	36
Constant power range	rpm	1,800 - 2,300	1,750 - 2,350
Air intake		On the A-strut, left hand top	
Spec. fuel consumption	g/kWh	211	209
Oil quantity/tank capacity	l	28/425 (585 on request)	28/585
<b>Cab</b>			
Comfort Cab version		Integrated, sound-proofed safety cab, exhaust on the side of the strut	
Suspension		Air suspension and level control as standard	
Noise level	dB (A)	72.8	
Equipment		Sun blind, tinted windows, wiper/washer unit at front and rear, opening for implement actuation, working headlamp at front and rear, interior lighting, Grammer mechanical comfort seat (with air suspension on request) with seat belt	
Heating system		Hot-water heating with fan with 4 settings	
Air conditioning		Front and rear windows can be tilted, ventilation system with fan, A/C system on request, tiltable glass roof on request	
PowerCom S armrest		standard	
Display		Non-glare information display with digital display showing vehicle speed, speed of front/rear PTO, powershift stages, operating hours, time, etc.	
<b>Electrical system</b>			
Voltage	V	12	
Three-phase alternator	W/A	1,800/200	
Starter	V/kW	12/4	
Battery	V/Ah	12/180	
AGROTRONIC-hD connections		External signal transmitter, 7-pin	
<b>Chassis, brakes, steering</b>			
Front axle suspension	40/50 km/h	upon request/standard	standard/standard
Differential locks front/rear	ASM	Fully automatic control by speed, steering angle, individual wheel braking and slip (100% locking); can be deactivated	
Service brake	front/rear	rear Automatic activation of the front drive/disc brake system, oil-immersed	
Steering angle		52°	
Turning circle with track for track 1,900		6.75 - 7.40	
<b>Steering hydraulics</b>			
Steering load sensing		with separate pump 57l/185bar	
Steering system		Hydrostatic with balanced steering cylinder	

\* without cooling fan

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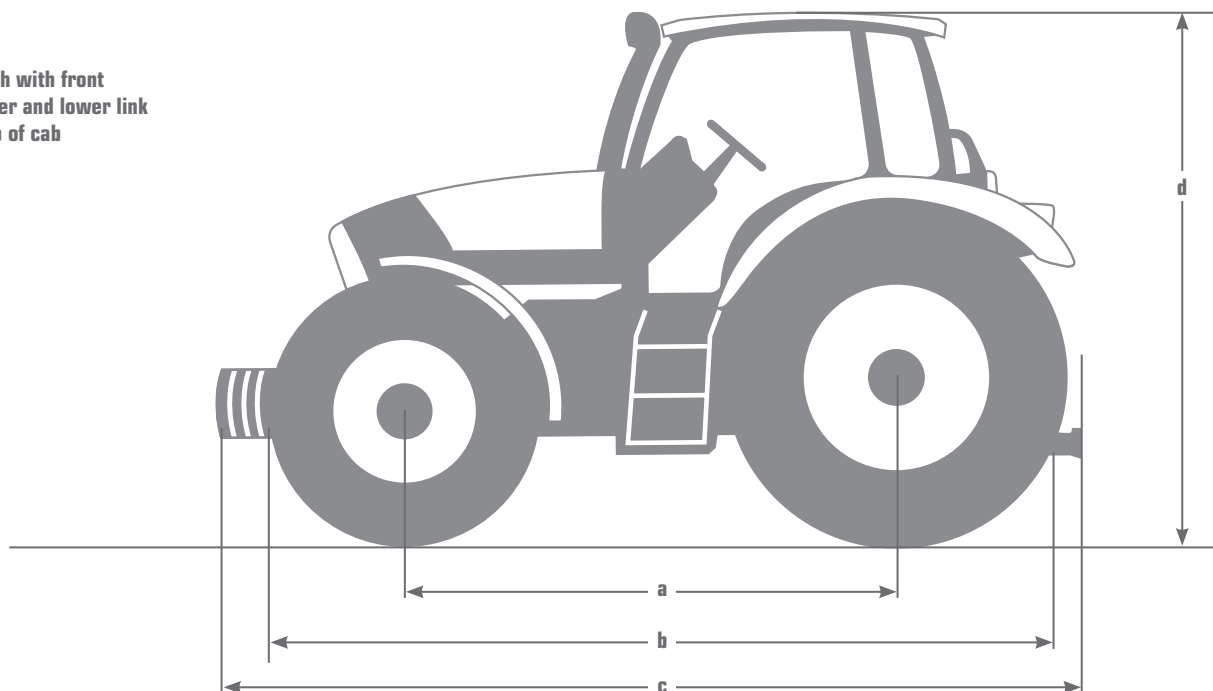
Type	X 710				X 720			
<b>Hydraulic system</b>								
System	Load Sensing							
Oil reservoir	separate							
Pump flow rate	l/min (bar)				120 (200)			
Oil quantity	l				max. 45			
<b>Powerlift</b>								
AGROTRONIC-hD	Draft control/position control/mix control/float/diagnosis/vibration damping/slip control							
Category 3-point hitch, rear	III, fast-action couplings with automatic lateral stabilisation							
Lifting capacity, rear	kp				10,500			
Lifting capacity, front	kp				5,000			
Remote control of rear powerlift	standard on mudguard, left and right							
Front powerlift	upon request.							
Cat. 3-point hitch, front	Cat II / upon request WKS fast-action couplings Cat III L							
<b>Remote valves</b>								
Quantity	Series 4 electrohydraulic							
Parallel operation	standard							
Functions	Double-acting with floating position, can be coupled under pressure							
Actuation	with PowerComS for 1 + 2, joystick for 3 + 4							
Flow rate/Flow time	adjustable from 0 to 83 l/adjustable from 0-45 secs. or continuous flow							
Power beyond direct connection	standard							
<b>Transmission</b>								
No. of speeds with creeper speed	F/R				40/40			
Type	ZF 7300							
Vibration absorber/Turboclutch	Hydrodamp torsion damper				Turboclutch			
Powershift	4-range powershift with APS							
Powershuttle reversing transmission	standard							
Max. speed	40/50 km/h				Adjustment with engine speed controller max. speed 40 or 50 km/h			
Clutch	Multi-plate clutch, oil-immersed							
<b>Speeds in km/h at engine speed*</b>								
Group	creeper speed				normal			
	L	M	H	S	L	M	H	S
1	0.48	0.58	0.69	0.83	3.45	4.14	4.96	5.95
2	0.83	1.00	1.19	1.43	5.96	7.15	8.57	10.3
3	1.21	1.45	1.74	2.09	8.69	10.4	12.5	15.0
4	1.79	2.15	2.57	3.09	12.8	15.4	18.5	22.2
5	-	-	-	-	20.0	24.0	28.9	34.6
6	-	-	-	-	29.6	35.6	42.5	50.0

\* with tyres 710/70 R42

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- a Wheel base
- b Length
- c Overall length with front weight carrier and lower link
- d Height to top of cab



Type		X 710	X 720
<b>Dimensions in mm with front tyres 600/65 R38, and rear tyres 650/85 R38</b>			
a Wheel base	mm		3,095
b Length	mm		5,268
c Overall length with front weight carrier and lower link	mm		5,399
d Height to top of cab	mm		3,270
Width across tyres	mm		2,750
Ground clearance front/middle/rear	mm		494/625/548
<b>Weights in kg (40 km/h, Cab)</b>			
Unladen weight			9,430 - 10,435
Pay load	Front		6,500
Pay load	Rear		10,000
Total permission weight			14,000
<b>Front PTO upon request</b>			
Clutch			Multi-plate clutch, oil-immersed
Actuation			electro-hydraulic
Speed/Direction of rotation			1,000 (at engine speed 2,100 rpm), right
PTO profile			1 3/8" 6 spline
Max. transferable power	kw/hp		110/150 with permanent load

# AGROTRON X 710 • X 720

Type	X 710	X 720
<b>Rear PTO</b>		
Clutch	Oil-immersed, modulating start-up	
Actuation	electro-hydraulic	
PTO stub	flange mounted	
Profile options	1 3/8" 6 spline shaft or 1 3/8" 21-spline or 1 3/4" 20-spline or 1 3/4" 6 spline	
Speed	rpm	540E/1000
Remote control	on rear fenders, left and right	
<b>Tyres, wheels</b>		
		<b>track widths in mm</b>
18.4 R30*		1,874 f
20.8 R42*		1,879 r
18.4 R34		1,874 f
20.8 R42		1,879 r
480/70 R34*		1,994 f
650/85 R38*		1,997 r
520/70 R30*		1,894 f
580/70 R42*		1,879 r
520/70 R30*		1,894 f
620/70 R42		1,879 r
520/70 R30*		1,894 f
650/65 R42*		1,879 r
520/70 R30*		1,894 f
710/70 R38*		1,879 r
520/70 R34		1,874 f
580/70R42		1,879 r
520/70 R34		1,874 f
620/70 R42		1,879 r
520/70 R34*		1,994 f
710/70 R42*		1,997 r
520/70 R38		1,974 f
650/85 R38		1,997 r
520/70 R38		1,974 f
710/70 R42		1,997 r
600/65 R34		1,874 f
650/65 R42		1,879 r
600/70 R30		1,874 f
710/70 R38		1,997 r
600/65 R38		1,874 f
650/85 R38		1,997 r
600/65 R38		1,874 f
710/70 R42		1,997 r

\* with inter-axle ratio = 1.2997. Available tyre combinations are given on the current valid price lists. Operation with dual wheels is possible at the front and rear; observe the Motor Vehicle Construction and Use Regulations.

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