

AGROPLUS S 70 • 75 • 90 • 100

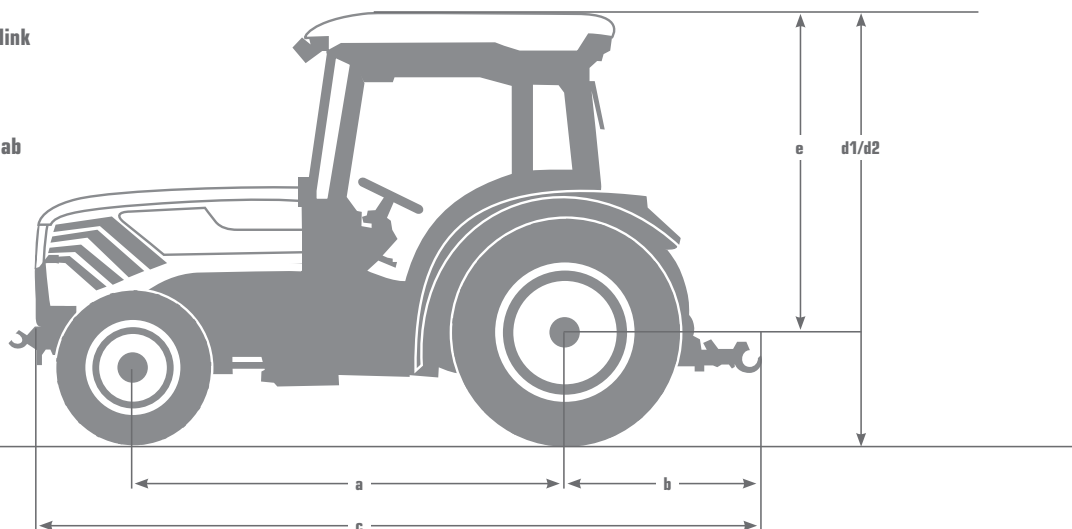
Type		S 70	S 75	S 90	S 100
Engine					
Engine liquid-cooled (TIER II)	Type	1.000.3WT	1.000.4W	1.000.4WT	
Max. power (ECE R24.03)	kW/hp	49.5/67	51.5/70	61/83	66/90
Max. power (2000/25/CE)	kW/hp	51.5/70	54.5/74	64/87	70/95
Rated speed	rpm	2.200			
Cylinders/cubic capacity	No./cm ³	3/3,000	4/4,000		
Bore/Stroke	mm	105/115.5			
Maximum torque	Nm	260	257	348	377
Constant torque range	rpm	1,400 - 1,600			
Constant power range	rpm	1,900 - 2,200			
Torque rise	%	22	15	31	31
Tank volume with extra tank	l	55l in tank in front of engine/30l in extra tank underneath platform			
Cab (on request)					
Comfort cab version		with silent block suspension			
Noise level	dB (A)	76			78
Air conditioning		upon request			
Platform equipment (standard)		without cab with fold-down protective frame			
Chassis, brakes, steering					
Front axle drive		central drive			
Differential locks	front/rear	electrohydraulic claw clutch			
Service brake	front	wet disk brakes			
Service brake	rear	wet disk brakes			
Parking brake		independent of service brake			
Trailer brake		hydraulic brake valve			
Steering hydraulics					
Steering system		hydrostatic			
Max. steering angle narrow/wide		50°/60°			
Turning radius narrow/wide	m	3.55/3.10	3.70/3.25		
Pump flow rate	l/min	26			
Working hydraulics					
System		open			
Oil reservoir		Shared with transmission			
Pump flow rate	l/min (bar)	54 (180)			
Tandem pump	l/min (bar)	33+25 (180) with 5 or 6 remote valves			
Available oil quantity	l	12			
PowerLift					
Electrohydraulic upper link control		Standard			
Mech. upper link control		upon request			
Category of 3-point hitch, rear		II can be converted to I			
Lifting capacity, rear	kg	3,000			
Front PowerLift, cat. II (I)		upon request			
Lifting capacity, front	kg	1,500			

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Type	S 70	S 75	S 90	S 100											
Hydraulic remote valves															
Quantity	3 standard/max. 5 upon request		3 standard/max. 6 upon request												
Function	double-acting														
Locking	floating position or lifting														
Actuation (standard 1-3)	individual lever														
Actuation (upon request 4+5)	individual lever														
Actuation (upon request 4-6)	-	4 electr. with switch / 5+6 with elect. joystick													
Transmission 40 km/h															
Synchromplit ECO-Speed	Synchronized shift transmission with 5 speeds, 3 groups, creeper speed transmission and mini-creeper speed transmission and Stop&Go function														
No. of speeds	F/R	30/15 with electrohydraulic F/R-shifting (Powershuttle)													
PowerShift ECO-Speed (upon request)	with 5 speeds, 3 groups and 3 Powershift stages														
No. of speeds	F/R	45/45 with electrohydraulic F/R-shifting (Powershuttle)													
Max. speed	km/h	40, depending on the tyres already at low speed 1,850 rpm													
Shift transmission 30 forward + 15 reverse – speed in kph at engine speed 2,200 rpm with rear wheel tires 420/70 R28															
1 SR min	2 SR min	3 SR min	4 SR min	5 SR min	1 L min	2 L min	3 L min	4 L min	5 L min	1 V min	2 V min	3 V min	4 V min	5 V min	
0.24	0.35	0.50	0.69	0.96	1.53	2.18	3.13	4.37	6.08	8.41	12.01	17.21	24.05	33.46	
1 SR	2 SR	3 SR	4 SR	5 SR	1 L	2 L	3 L	4 L	5 L	1 V	2 V	3 V	4V	5 V	
0.29	0.42	0.60	0.84	1.17	1.85	2.65	3.80	5.31	7.38	10.21	14.58	20.89	29.19	40.61*	
Shift transmission Agrosplit with ECO-Speed 45 forward + 45 reverse – speed in kph at engine speed 2,200 rpm with rear wheel tires 420/70 R24															
	1 SR	2 SR	3 SR	4 SR	5 SR	1 L	2 L	3 L	4 L	5 L	1 V	2 V	3 V	4 V	5 V
LOW	0.18	0.28	0.40	0.59	0.87	1.17	1.72	2.54	3.75	5.53	6.46	9.43	14.01	20.64	30.48
MEDIUM	0.22	0.32	0.48	0.71	1.05	1.41	2.05	3.05	4.50	6.64	7.76	11.31	16.81	24.77	36.57
HIGH	0.27	0.39	0.58	0.86	1.27	1.71	2.49	3.70	5.45	8.05	9.41	13.71	20.38	30.03	44.33*
Min=Mini creeper speed transmission - SR=creeper speed transmission - L=field speeds - V=road speeds * = speed limited to 40kph															
Note: The speeds in reverse gear are a little less than the corresponding speeds in forward gear. With the 30+15 shift transmission, the speeds in reverse gear are a little less than the speeds in non-mini creeper gear.															
Front PTO (upon request)															
Clutch	Oil-immersed multi-plate clutch														
Actuation	electro-hydraulic														
Speed	rpm	1,000 (clockwise)													
PTO profile	1 ³ / ₈ " 6 spline														
Rear PTO															
Clutch	Oil-immersed multi-plate clutch														
Actuation	electro-hydraulic														
PTO profile	1 ³ / ₈ " 6 spline														
Speed	rpm	540/540E/1,000													

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- a Wheel base
- b Centre of axle to end of lower link
- c Length with lower links
- d1 Height above cab
- d2 Height above rollbar
- e Axle centre up to top edge of cab



Type	S 70 (12.4 R24)	S 75 (360/70 R24)	S 90 (380/70 R24)	S 100 (420/70 R24)
Dimensions in mm (with rear tyres)				
a	1,926	2,056		
b	1,070			
c	3,576	3,706		
d1 (depending on selected tyres)	2,250		2,270	2,300
d2 (depending on selected tyres)	2,060		2,080	2,105
e (with air conditioning)	1,580/1,695			
Ground clearance	260	250	260	280
Weight in kg (with cabin)				
Unladen weight				
Front	1,075	1,200		
Rear	1,400	1,500		
Total unladen weight	2,475	2,700		
Permissible weights				
Front	narrow/wide	725/725	600/600	
Rear	narrow/wide	1,100/1,600	1,000/1,500	
Total payload	narrow/wide	1,825/2,025	1,600/1,800	
Permissible laden weight				
Front axle	narrow/wide	1,800/1,800		
Rear axle	narrow/wide	2,500/3,000		
Total	narrow/wide	4,300/4,500		
Flange dimensions				
Flange dimensions front narrow/wide	mm	1,010/1,124		
Flange dimensions front narrow/wide	mm	854/1,114		

* with front PowerLift + 406mm

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Type		S 70	S 75	S 90	S 100
Tyres, wheels, outside widths					
(adjustable wheels)		Minimum and maximum outside widths in mm			
Agroplus S narrow					
Front	6.50-16				
Rear	11.2 R24				minimum 1,070 - maximum 1,500
Front	240/70 R16				
Rear	320/70 R24				minimum 1,170 - maximum 1,530
Front	240/70 R16				
Rear	380/70 R20				minimum 1,270 - maximum 1,580
Front	280/60-15.5				
Rear	360/60 R24				minimum 1,270 - maximum 1,580
Agroplus S wide					
Front	6.50-16				
Rear	12.4 R24				minimum 1,200 - maximum 1,800
Front	240/70 R16				
Rear	360/70 R24				minimum 1,305 - maximum 1,800
Front	260/70 R16				
Rear	13.6 R24				minimum 1,320 - maximum 1,830
Front	260/70 R16				
Rear	380/70 R24				minimum 1,340 - maximum 1,830
Front	280/70 R16				
Rear	420/70 R24	-			minimum 1,405 - maximum 1,910
Front	7.50-16				
Rear	12.4 R28				minimum 1,200 - maximum 1,800
Front	280/70 R18				
Rear	380/70 R28	-			minimum 1,360 - maximum 1,870
Front	8.25-16				
Rear	13.6 R28	-			minimum 1,325 - maximum 1,830
Front	280/70 R18				
Rear	420/70 R28	-			minimum 1,405 - maximum 1,910

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Available standard tyre combinations are given on the current valid price lists. Due to the respective national Motor Vehicle Construction and Use Regulations (CUR), there may be restrictions with regard to the maximum permissible outside widths.

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