

AGROTRON

120 • 130 • 150 • 150.7 • 165.7 • 180.7

Engine	120	130	150	150.7	165.7	180.7
Manufacture / type	Deutz 2012 C			Deutz 1013 EC		
Cylinders / displacement	no. / cu. in. (L) 6 / 369 (6 L)			6 / 436 (7.1 L)		
Bore / stroke	in. (mm) 4 / 5 (101 / 126)			4.25 / 5.1 (108 / 130)		
Crankcase capacity	U.S. qts. (L) 14.8 (14)			22.1 (21)		
Cooling system	Liquid					
Max. power (2000/25/EC)	hp (kW) 131 (96)	141 (104)	160 (118)	166 (122)	180 (132)	182 (134)
Rated engine speed / max. power	rpm 2300 / 2000			2350 / 2000		
Torque rise	% 35	43	34	41	45	53
Starting torque	% 128	129		133	122	142
Maximum torque	ft.-lb. (Nm) 351 (476)	377 (512)	435 (590)	433 (588)	487 (660)	571 (775)
Constant power range	rpm 1800-2300			1800-2350		1700-2350
Fuel tank capacity	U.S. gal. (L) 71 (270)			80 (305)		
POWER TRAIN						
Transmission						
Type / speed	ZF 7200 with PowerShuttle reverser; 6 gears with 4-speed PowerShift					
Automatic Powershift	Optional (standard on Profiline)					Standard
Max. ground speed	25 or 31 mph (40 / 50 km/h)					
No. of gears (with creeper speed)	F / R 24 / 24 (40 / 40)					
Vibration absorbers	Hydrodamp torsion damper					
Clutch	Wet, multi-disc					
Disk diameter / no.	in. (mm) 7.9 (200) / 8					7.9 (200) / 9
Rear PTO						
Clutch / actuation	Wet, modulated startup					
Profiles	540 and 1000 rpm		1-3/8" 6-spline or 1-3/8" 21-spline			
Engine speed	540 / 1000 / 540E / 1000E		1990 / 1990 / 1550 / 1550			
Front PTO (optional)						
Clutch	Wet, modulated startup					
Speed at 2130 rpm	engine speed rpm		1000			
HYDRAULICS						
System Specs						
System / oil reservoir	Open center or optional load-sensing					Load-sensing
Oil reservoir	Common with transmission					
Pump flow rate	gpm (L/min.)		Standard: Open center 22 (83) / Optional: 32 (120)			
Load-sensing pressure	psi (bar)		2,900 (200)			
Oil capacity	U.S. gal. (L)		10.6 (40)			
3-point hitch						
Agrotronic-hD (electronic)	Draft control / position control / mix control / flat / diagnosis / vibration dampening / slip control					
Rear 3-point hitch	Cat. 2 / Cat. 3; WKS quick coupler					
Rear 3-point hitch lift capacity	lbs. (kg) 13,640 (6200); opt. 20,240 (9200)		20,240 (9200)			
Front 3-point hitch	Cat. 2; WKS quick coupler					
Front lift capacity	lbs. (kg) 8,800 (4000)					
Remote control of rear 3-point hitch	Standard; left and right rear fender					
Rear hydraulic outlets						
Number / type	4 standard / 2 optional; Profiline : 4					4
Functions	Double-acting with floating position, can be coupled under pressure					
Actuation	Single lever / joystick for 1 & 2; Profiline : 1 & 2 on PowerComS, 3 & 4 with joystick					
Flow rate	Adjustable					

SPECIFICATIONS

Electrical system	120	130	150	150.7	165.7	180.7			
Battery	V / aH		12V / 170 aH						
Alternator	95A								
7-pin rear power outlet	Standard								
Steering, brakes and chassis									
Steering system type	Hydrostatic with separate gear pump								
Pump flow rate / pressure	psi (L/min./bar) 11 gpm @2600 psi ((42 L/min. @ 180 bar)								
Differential locks front / rear	ASM Fully automatic control with speed, steering angle, individual wheel braking and slip (100% locking); can be deactivated								
Steering angle / turning radius	ft. (m) 52° / 16.2 (4.95)		52° / 16.8 (5.13)			52° / 19 (5.8)			
Cab									
Manufacturer	Deutz-Fahr								
Noise level	dBA 73-74								
PowerComS armrest	Standard on Profiline					Standard			
Rubber-mount suspension	Standard								
Mechanical spring suspension	Optional								
Pneumatic suspension at 25 / 31 mph (40 / 50 km/h)	Optional; Standard on Profiline								
Rear hydraulic outlets									
Actuation / number	Single lever / joystick for 1 & 2; Profiline: 1 & 2 on PowerComS, 3 & 4 with joystick								
Flow rate / time	Adjustable								
SPEEDS mph (k/ph)									
Models 120, 130 *		Creeper speed				Normal speed			
	L	M	H	S	L	M	H	S	
1	.24 (.38)	.28 (.45)	.33 (.54)	.4 (.65)	1.9 (3.09)	2.3 (3.71)	2.8 (4.45)	3.3 (5.33)	
2	.42 (.68)	.5 (.82)	.6 (.98)	.72 (1.17)	3.5 (5.57)	3.5 (5.57)	5 (8.01)	6 (9.6)	
3	.68 (1.09)	.81 (1.31)	.97 (1.57)	1.2 (1.88)	5.5 (8.9)	6.3 (10.7)	7.9 (12.8)	9.6 (15.4)	
4	1 (1.65)	1.2 (1.97)	1.5 (2.37)	1.8 (2.84)	8.4 (13.5)	10 (16.1)	12 (19.4)	14.4 (23.2)	
5	-	-	-	-	11.5 (18.5)	13.8 (22.2)	16.5 (26.6)	19.8 (31.9)	
6	-	-	-	-	16.2 (26.1)	19.4 (31.3)	23.3 (37.5)	31 (50)	
Models 150, 150.7 *									
1	.24 (.39)	.29 (.47)	.35 (.57)	.42 (.68)	2 (3.23)	2.4 (3.87)	2.9 (4.64)	3.5 (5.56)	
2	.44 (.71)	.52 (.85)	.66 (1.07)	.75 (1.22)	3.6 (5.81)	4.3 (6.96)	5.2 (8.35)	6.2 (10)	
3	.7 (1.14)	.85 (1.37)	1 (1.64)	1.2 (1.96)	5.8 (9.3)	6.9 (11.2)	8.32 (13.4)	10 (16.1)	
4	1 (1.72)	1.3 (2.06)	1.5 (2.47)	1.8 (2.96)	8.7 (14)	10.4 (16.8)	12.5 (20.2)	15 (24.2)	
5	-	-	-	-	12 (19.3)	14.3 (23.1)	17.3 (27.8)	20.7 (33.3)	
6	-	-	-	-	16 (25.9)	19.3 (31.1)	23.1 (37.3)	31 (50)	
Model 165.7 *									
1	.23 (.37)	.27 (.44)	.33 (.53)	.39 (.64)	1.9 (3.03)	2.25 (3.63)	2.7 (4.36)	3.2 (5.22)	
2	.41 (.67)	.5 (.8)	.59 (.96)	.71 (1.15)	3.4 (5.46)	4 (6.54)	4.9 (7.85)	5.8 (9.4)	
3	.66 (1.07)	.79 (1.28)	.95 (1.54)	1.1 (1.85)	5.5 (8.80)	6.5 (10.5)	7.8 (12.6)	9.4 (15.1)	
4	1 (1.61)	1.2 (1.94)	1.4 (2.32)	1.7 (2.78)	8.2 (13.2)	9.8 (15.8)	11.8 (19)	14.2 (22.8)	
5	-	-	-	-	11.3 (18.2)	13.5 (21.8)	16.2 (26.1)	19.4 (31.3)	
6	-	-	-	-	16.2 (26.2)	19.5 (31.4)	23.4 (37.7)	31 (50)	
Model 180.7 *									
1	.18 (.30)	.29 (.47)	.35 (.56)	.41 (.67)	1.97 (3.17)	2.3 (3.8)	2.8 (4.56)	3.4 (5.47)	
2	.43 (.7)	.52 (.84)	.63 (1.01)	.75 (1.2)	3.55 (5.71)	4.3 (6.85)	5.1 (8.21)	6.1 (9.84)	
3	.69 (1.12)	.83 (1.34)	1 (1.61)	1.2 (1.93)	5.7 (9.17)	6.8 (10.99)	8.2 (13.18)	9.8 (15.79)	
4	1.05 (1.69)	1.26 (2.03)	1.5 (2.43)	1.8 (2.91)	8.6 (13.81)	10.3 (16.55)	12.3 (19.85)	14.8 (23.79)	
5					11.8 (18.99)	14.14 (22.76)	17 (27.3)	20.3 (32.72)	
6					16.2 (26.06)	21.6 (34.83)	26 (41.78)	31 (50)	

*Tires 18.4 R38

AGROTRON

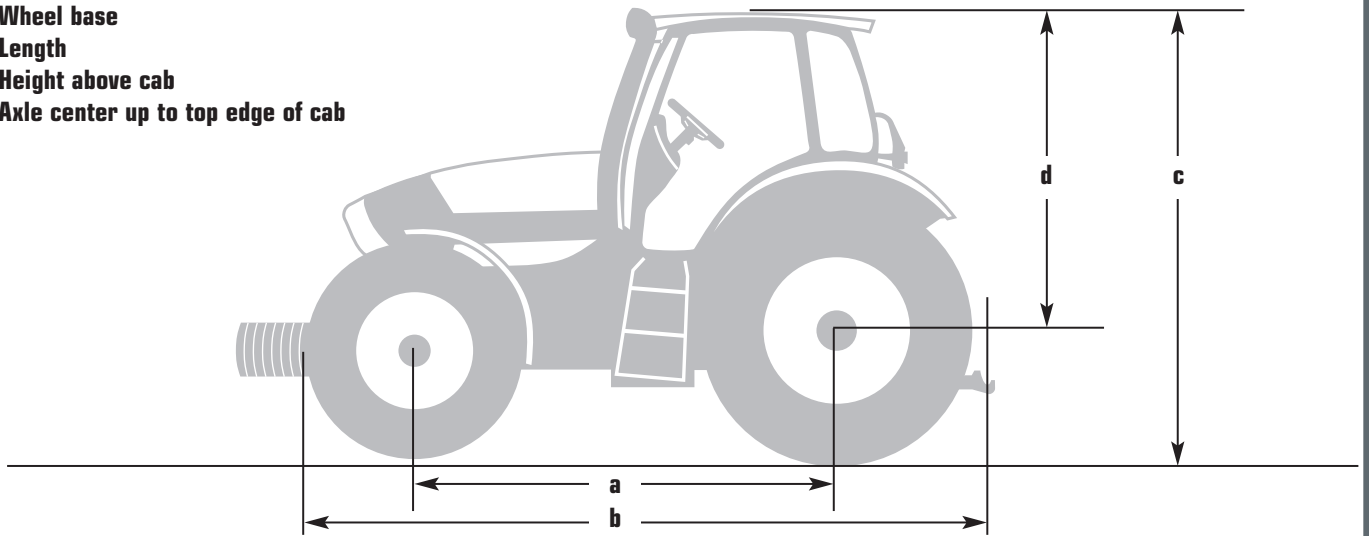
120 • 130 • 150 • 150.7 • 165.7 • 180.7

TIRES AND WHEELS		TRACK WIDTHS in. (mm)			
		120-130	150-150.7	165.7	180.7
Normal wheels					
Front: 14.9 R24 Rear: 16.9 R38	W	63 / 66.9 (1600/1700)			
Front: 480 / 70 R24 Rear: 520 / 70 R38	W	70.8 (1800)			
Front: 16.9 R24 Rear: 18.4 R38	W	70.8 (1800)			
Front: 540 / 65 R24 Rear: 600 / 65 R38	W	72.8 (1850)			
Front: 420 / 70 R28 Rear: 18.4 R38	W		70.8 (1800)	71.4 (1814)	
Front: 16.9 R28 Rear: 20.8 R38			74.8 (1900)	75 (1906)	
Front: 480 / 70 R28 Rear: 580 / 70 R38			74.8 (1900)	75 (1906)	
Front: 540 / 65 R28 Rear: 650 / 65 R38			72.8 (1850)	73 (1854)	
Front: 420 / 70 R28 Rear: 18.4 R38			63-78.7 (1600-2000)	57-80.7 (1450-2050)	
Front: 540 / 65 R30 Rear: 650 / 65 R38					73.4 (1865)
Front: 540 / 65 R34 Rear: 650 / 65 R42					73.4 (1865)
Front: 600 / 70 R30 Rear: 620 / 70 R42					73.4 (1865)
Front: 600 / 70 R30 Rear: 710 / 70 R38					78 (1980)
Allowable tire combinations w/plate wheels*					
Front: 230 / 95 R32 Rear: 230 / 95 R48		59 / 70.8 (1500/1800)	59 / 70.8 (1500/1800)		
Front: 270 / 95 R32 Rear: 270 / 95 R48		59 / 70.8 (1500/1800)			
Front: 230 / 95 R36 Rear: 270 / 95 R48		59 / 70.8 (1500/1800)			
Front: 270 / 95 R32 Rear: 300 / 95 R46		59 / 70.8 (1500/1800) =			
Front: 230 / 95 R36 Rear: 270 / 95 R48			70.8/78.7 (1800/2000)		
Front: 270 / 95 R32 Rear: 300 / 95 R46			70.8/78.7 (1800/2000)		
Front: 270 / 95 R38 Rear: 300 / 90 R50					2000
Front: 270 / 95 R42 Rear: 270 / 95 R54					2000
Possible track widths with adjustable wheels		55.1-78.7 (1400-2000)	55.1-78.7 (1400-2000)	61-88.6 (1550-2250)	

W = Welded (non-adjustable) wheels. Tractors can be equipped with dual wheels front and rear.

SPECIFICATIONS

- a. Wheel base
- b. Length
- c. Height above cab
- d. Axle center up to top edge of cab



Flange dimensions in. (mm)	120	130	150	150.7	165.7	180.7
a. Wheel base		104.2 (2647)		108.9 (2767)		110.9 (2817)
b. Length		180.6 (4587)		187.3 (4757)		189.2 (4807)
c. Height above cab		115 (2922)		118 (2997)		123.1 (3127)
d. Axle center to top edge of cab		82.8 (2102)				86.7 (2202)
Width outside-to-outside	90.7 (2304)		97.2 (2470)		98.4 (2500)	107 (2720)
Turning radius with 6.2-ft. track (1900)		194.9 (4950)		201.8 (5125)		228.3 (5800)
Drawbar clearance in. (mm)		1.7 (520)		1.9 (570)		2 (605)
Front flange		67.3 (1710)				1870.8 (1798)0.7
Front wheel connection		10.8 x .31 x .79 (275 x 8 x 20)				
Rear flange		64.6 (1640)				74.4 (1890)
Rear wheel connection		10.8 x .31 x .79 (275 x 8 x 20)				
Front-to-rear tire ratio	53.6 (1362)		52.1 (1325)		51.8 (1317)	49.4 (1256)
<small>Tires: Agroturon 120-130: 18.4 R38; 150-165.7: 20.8 R38. With 31 mph (50) or wide fender: overall width 98.4 (2500)</small>						
Weight lbs. (kg)						
Shipping weight	12,010 (5460)		12,340 (5610)	12,940 (5880)	13,130 (5970)	14,850 (6750)
Total loaded weight	18,700 (8500)		19,800 (9000)	20,900 (9500)	22,000 (10,000)	24,200 (11,000)