

General Specifications John Deere 6110J / 6125J / 6145J / 6165J Tractors

Technical Specifications:	6110J	6125J	6145J	6165J
Rated speed @ maximum RPM - kW /cv	81/110	92/125	107/145	122/165
Rated PTO @ maximum speed - kW /cv	69/94	78/106	91/123	105/143
Engine:				
Manufacturer/Model	John Deere / PowerTech™ 4045 T	John Deere / PowerTech™ 6068 T	John Deere / PowerTech™ 6068 T	John Deere / PowerTech™ 6068 H
Maximum Torque - Nm @ RPM	429 Nm @ 1.400 rpm	496 Nm @ 1.400 rpm	608 Nm @ 1.400 rpm	716 Nm @ 1.400 rpm
Maximum RPM - rpm	2.300	2.300	2.100	2.100
Torque reserve - %	28	30	26	28
Number of Cylinders	4	6	6	6
Cylinder capacity - litres	4,5	6,8	6,8	6,8
Aspiration	Turbocharged	Turbocharged	Turbocharged	Turbocharged - Intercooler
Fuel System:				
Fuel Injection	Rotative Injection pump	Rotative Injection pump	Rotative Injection pump	Rotative Injection pump
Tank Capacity - litres	152	172	300	300
Clutch:				
Type	Wet discs - PermaClutch™			
Actuation	Hydraulic self-adjustable			
Number of discs	3	4	5	5
Disc diameter - mm	225			
Transmission:				
Type - Speed (standard)	SyncoPlus™ - 12 forward, 4 rear	SyncoPlus™ - 12 forward, 4 rear	PowrQuad™ - 16 forward, 16 rear	PowrQuad™ - 16 forward, 16 rear
Type - Speed (optional)	PowrQuad™ - 16 forward, 16 rear	PowrQuad™ - 16 forward, 16 rear		
Speeds with engine @ maximum RPM	km/h - forward km/h - rear	km/h - forward km/h - rear	km/h - forward km/h - rear	km/h - forward km/h - rear
A1	2.5 2.9	2.5 2.9	2.7 3.1	2.6 2.7
A2	3 3.5	3 3.5	3.2 3.8	3.1 3.2
A3	3.6 4.2	3.6 3.6	3.9 4.5	3.7 3.9
A4	4.3 5.2	4.3 5.2	4.6 5.5	4.6 4.8
B1	5.3 6.2	5.3 6.2	5.6 6.6	5.5 5.7
B2	6.3 7.4	6.3 7.4	6.7 7.9	6.6 6.9
B3	7.5 9	7.5 9	8.1 9.6	7.9 8.2
B4	9.3 10.9	9.3 10.9	9.9 11.7	9.7 10.1
C1	8.3 9.9	8.3 9.9	8.9 10.6	8.7 9.1
C2	10.1 11.9	10.1 11.9	10.8 12.7	10.5 10.9
C3	12.1 14.2	12.1 14.2	12.9 15.2	12.5 13.1
C4	14.7 17.4	14.7 17.4	15.8 18.6	15.4 16.0
D1	17.3 21.2	17.3 21.2	18.5 21.7	18.0 18.8
D2	20.9 25.5	20.9 25.5	22.3 26.2	21.7 22.7
D3	24.9 30.5	24.9 30.5	26.7 31.3	26.0 27.1
D4	30.6 37.4	30.6 37.4	32.7 38.4	31.9 33.3
	with 23.1-30 R1 rear tyres	with 23.1-30 R1 rear tyres	with 24.5-32 R1 rear tyres	with 20.8-38 R1 rear tyres
Rear axle:				
Final Drive	Inboard Planetary			
Differential	Electro-hydraulic actuation			
Shaft end	Flange (std) or Rack & Pinion (optional)	Flange (std) or Rack & Pinion (optional)	Rack & pinion	Rack & pinion
Front axle MFWD:				
Actuation	Electro-hydraulic			
Differential	Auto-blocking			
Axle prepared for 2,8 or 3m tread	NA	NA	NA	Optional

6J Series

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Brakes:				
Service brakes		Wet discs, with hydraulic actuation, self-adjustable		
Parking brakes		Transmission block, through gear shift - position "P"		
Pneumatic trailer brakes	NA	NA	NA	Optional
Electrical System:				
Voltage - V		12		
Alternator - A		90		
Battery - Ah	100	150	150	150
PTO:				
Type	Independent with electro-hydraulic actuation			
Maximum PTO speed - rpm	540 rpm or 540/1.000 rpm	540 rpm or 540/1.000 rpm	540/1.000 rpm	540/1.000 rpm
Engine speed @ maximum PTO RPM - rpm	2.124 rpm or 2.143/2.208 rpm	2.124 rpm or 2.143/2.208 rpm	1.995/1.995 rpm	2.100/2.100 rpm
Hydraulic System:				
Type of hydraulic pump	Open center	Open center / closed center(optional)	Closed center	Closed center eith 45 ccm pistons
Maximum pump flow - litres/min	65 litres/min @ 2.300 rpm	65 litres/min @ 2.300 rpm / 100 litre/min (optional)	100 litres/min	110 litres/min
Maximum work pressure - bar		200 +/- 5		
Hitch category	II	II	II	III
Maximum lift capacity - kgf	3.800 kgf	4.650 kgf	4.610 kgf ou 6.800 kgf	6.000 kgf
Lift capacity @ 610 mm from hitch - kgf	2.500 kgf	2.550 kgf	3.580 kgf ou 5.280 kgf	5.800 kgf
3-Point Hitch system controls	Electronic with lower link sensors			
Number of SCV's	2	2	2	2 ou 3 vcrs
SCV maximum flow - litres/min	60 litres/min	60 / 96 litres/min (optional)	96 litres/min	105 litros/minuto
Steering System	Hydrostatic "Load Sensing", with priority pump			
Agricultural management Solution - AMS:				
Universal AutoTrac-ready	Optional (Electric links for AutoTrac ATU200 connection, antenna and monitor)			
Universal AutoTrac	Optional (ATU200 with GreenStar 2600 or 1800 colour monitors)			
Signal correction options	SF1 +/- (25 cm) or SF2 +/- (10 cm)		SF1 +/- (25 cm), SF2 +/- (10 cm) or RTK* (2,5 cm) * Requires base-radio sold separately	
Tyres:				
Option 01	14.9-26 R1 and 23.1-30 R1	14.9-26 R1 and 23.1-30 R1	18.4-26 R1 and 24.5-32 R1	16.9-28 R1 and 20.8-38 R1 double
Option 02	14.9-24 R1 and 23.1-30 R1	14.9-24 R1 and 23.1-30 R1	16.9-26 R1 and 18.4-38 R1	18.4-26 R1 and 24.5-32 R1
Option 03	14.9-24 R1 and 18.4-34 R1	14.9-24 R1 and 18.4-38 R1	16.9-26 R1 and 18.4-38 R1 double	480/70R28 R1 and 650/75R32 R1
Option 04	14.9-24 R1 and 18.4-38 R1	14.9-26 R1 and 18.4-38 R1	14.9-28 R2 and 23.1-30 R2	16.9R30 R2 and 20.8R42 R2 double
Option 05	14.9-26 R1 and 18.4-38 R1	16.9-24 R1 and 23.1-30 R1	14.9-28 R2 and 18.4-38 R2 double	
Option 06	14.9-24 R2 and 23.1-30 R2	16.9-24 R1 and 18.4-38 R1	12.4-36 R1 and 320/90R50 R1	
Option 07	14.9-24 R1 and 15.5-38 R1 double	14.9-24 R2 and 23.1-30 R2	16.9-24 R4 and 18.4-34 R4	
Option 08	11.2-28 R1 and 13.6-38 R1 double	12.4-36 R1 and 320/90R50 R1		
Option 09	12.4-36 R1 and 13.6-46 R2	14.9-24 R1 and 15.5-38 R1 double		
Option 10	16.9-24 R4 and 18.4-34 R4	16.9-24 R4 and 18.4-34 R4		
Weight - kg:				
Maximum weight ballasted	6.000	7.000	8.000	9.400
Average shipping weight Open Station	4.180	4.390	5.120	6.890
Average shipping weight CAB	4.710	4.920	5.650	7.655
	with 23.1-30 R1 rear tyres	with 23.1-30 R rear tyres	with 24.5-32 R1 rear tyres	with 20.8-38 R1 double rear tyres
Dimensions - mm:				
Wheelbase	2.400	2.650	2.650	2.730
Length	4.567	4.921	4.969	5.420
Rear width with rack & pinion axle - short	Ø 86 mm x 2.439 mm	Ø 86 mm x 2.439 mm	NA	Ø 93 mm x 2.406 mm
Rear width with rack & pinion axle - long	NA	NA	Ø 86 mm x 2.744 mm	Ø 93 mm x 2.776 mm
Height with standard tyres	2.672	2.741	2.863	2.930
Front tread (min/máx)	1.519 / 2.058 mm	1.616 / 2.154 mm	1.598 / 2.098 mm	1.426 / 2.136 mm
Rear tread (min/máx) flange	1.808 / 1.808 mm	1.808 / 1.808 mm	NA	N
Rear tread (min/máx) rack & pinion	1.658 / 2.409 mm	1.658 / 2.409 mm	1.690 / 2.650 mm	1.588 / 3.219 mm
Front axle clearance - mm	505	505	570	520
Drawbar clearance	439	439	467	460
	with 23.1-30 R1 rear tyres	with 23.1-30 R rear tyres	with 24.5-32 R1 rear tyres	with 20.8-38 R1 double rear tyres / std front axle

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Technical specifications are subject to change without notice. DECEMBER/10
Products in the pictures cab be fitted with optional extras.
Please contact your local John Deere dealer for detailed information.