

6M Series Tractors

85 to 125 kW (115 to 170 hp) 97/68EC



Specifications

	6115M	6125M	6130M	6140M	6150M	6170M
ENGINE PERFORMANCE						
Rated power (97/68EC), hp (kW)	115 (85)	125 (92)	130 (96)	140 (103)	150 (110)	170 (125)
Max. power (97/68EC), hp (kW)	121 (89)	132 (97)	136 (100)	147 (108)	158 (116)	175 (129)
Rated power (ECE-R24), hp (kW)	110 (81)	118 (87)	126 (93)	135 (99)	144 (106)	165 (121)
Max. Power (ECE-R24), hp (kW)	117 (86)	126 (93)	133 (98)	143 (105)	152 (112)	170 (125)
Constant Power Range, rpm	2100-1600	2100-1600	2100-1600	2100-1600	2100-1600	2100-1600
Torque Reserve, percent	35	35	35	37	35	35
Maximum Torque, Nm (at 1500 engine rpm)	519	564	587	640 (1400)	677	768
Rated Speed, rpm	2100					
Manufacturer	John Deere Power Systems					
Type	PowerTech Plus engines with single fluid operation					
Aftertreatment	Exhaust Filter with Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF)					
Filter, engine air	PowerCore G2 Air Filter with Pre-cleaning					
Aspiration (Stage III B)	Variable Geometry Turbocharger with Intercooler and Cooled Exhaust Gas					
Cylinders and Displacement	4 / 4.5 L			6 / 6.8 L		
Cooling system	Cooling System with Temperature Controlled Viscous Fan Drive					
Fuel Injection system & Control	High Pressure CommonRail System with up to 2000 bar Injection Pressure					
TRANSMISSION OPTIONS						
PowrReverser						
16/16 1.8 – 30 km/h	X	X	X			
PowrQuad Plus						
16/16 2.4 – 30 km/h	X	X	X	X		
16/16 3.2 – 40 km/h	X	X				
20/20 2.5 – 40 km/h					X	
24/24 1.4 – 40 km/h	X	X	X	X		X
AutoQuad Plus						
20/20 2.5 – 40 km/h					X	X
24/24 1.4 – 40 km/h	X	X	X	X		
AutoQuad Plus EcoShift						
20/20 2.5 – 40 km/h					X	X
24/24 1.4 – 40 km/h	X	X	X	X		
Creeper (Synchro Plus, PowrReverser, PowrQuad, PowrQuad Plus, AutoQuad Plus and AutoQuad Plus EcoShift)	X	X	X	X	X	
AXLES						
Suspension design	Triple Link Suspension (TLS Plus) MFWD Axle, hydro-pneumatic, permanently active, triple link, self levelling suspension (optional)					
Suspension range	100 mm suspension range					
Engagement front differential lock	self-locking differential					
Engagement rear differential lock	electro-hydraulically with oil cooled clutch					
Rear Axle	Flange Axle					
STEERING						
Type	Dynamic Load Sensing, Hydrostatic, Flow Metering					
HYDRAULIC SYSTEM						
Type	Pressure Compensated (PC) / Pressure & Flow Compensated (PFC) System with Load Sensing Function (option)			Pressure & Flow Compensated (PFC) System with Load Sensing Function		
Flow at rated speed base/option, l/min	80/114 (option)			114		
Selective control valves (rear/mid)	4r/3m	4r/3m	4r/3m	4r/3m	4r/3m	4r/3m
Power beyond				option		
Oil take out capacity without/ with additional tank, l				25/37 35/47		

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3-POINT HITCH – REAR						
Type	Electronic lower link; load & depth control, infinite mix, float					
Category	II/IIIN	II/IIIN	IIIN	IIIN	IIIN	III
Maximum lift capacity at hooks, kg	4900	4900	5600	6300	6500	7000
Lift capacity through full lift range (OECD at the hooks), kg	2700	2700	3000	3400	5200	4300
Lift capacity through full lift range (OECD 610 mm), kg	2300	2300	2700	3000	4100	3800
Lift capacity through full lift range (OECD 1800 mm), kg (base/option)	1800/2300	1800/2300	2100/2600	2300/2600	2500/2800	2600/3300
3-POINT HITCH – FRONT						
Type	Front towing hitch controlled by rear SCV, SCV line optional					
Category	IIIN					
Maximum lift capacity at hooks, kg	4000	4000	4000	4000	4000	4000
Maximum lift capacity (OECD 610 mm)	3200	3200	3200	3200	3200	3200
Lift capacity through full lift range (OECD at the hooks), kg	3300	3300	3300	3300	3300	3300
Lift capacity through full lift range (OECD 610 mm)	2550	2550	2550	2550	2550	2550
REAR PTO						
Type	Electro-hydraulically operated, oil cooled, multi-disc design					
Engine rpm at rated PTO speeds (540/540E/1000 rear PTO)	1932 / 1575 / 1932					
FRONT PTO						
Type	Electro-hydraulically operated, oil cooled					
Engine speed at rated PTO speed (1000), rpm	1995					
CAB						
Specifications	Tilttable cab; 310° all-round vision, telescoping and tilttable steering column/wheel; opt. FieldOffice					
Operator's ear noise level, dBA	71	71	71	71	72	72
Cab Glass Area, m ²	4,79					
Display	integrated in dashboard					
MISCELLANEOUS						
GreenStar Ready	optional					
ISOBUS Implement Connection	optional					
Immobilizer	optional					
Trailer Brake system	hydraulic or pneumatic system optional					
Pneumatic trailer brake system	air pressure drier included					
CAPACITIES						
Fuel Tank	220	220	345	345	355	405
DIMENSIONS AND WEIGHTS						
Wheelbase, mm	2580	2580	2765	2765	2765	2800
Width x Height x Length, mm	2490x2820x4490		2490x2960x4830		2490x2980x4870	2550x3100x4990
<i>*measured with flanged axle, up to cab roof, from front weight support to horizontal draft links</i>						
Ground clearance, mm (Ground Clearance Center 4WD (MFWD))	500	500	530	530	530	560
Average shipping weight, kg	5210	5225	5514	5534	5930	7105
<i>*measured with AutoQuad Plus transmission, TLS front axle, drawbar, base weight and max. tire size, see below</i>						
Maximum Permissible Gross Weight, kg	8700	8700	9500	9800	10800	11300
TIRE SIZES						
Front axle tire sizes, max. available (diameter in cm)*	540/65 R24 (134)		540/65 R28 (144)		600/65 R28 (152)	
Rear axle tire sizes, max. available (diameter in cm)*	600/65 R38 (178)		650/65 R38 (185)		710/70 R38 (200)	

*Diameter in Service

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