6M SERIES TRACTORS



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6M SERIES

Capability without complexity

The established strengths and capabilities of the 6M Series have written their own success story. The next chapter starts here, with increased power density and more comfort and convenience. Our new "top of the line" model is the 6195M with rated power of 195 hp (143 kW) (97/68 EC).

This new 6M is, of course, built upon John Deere's renowned full frame design, providing the highest structural integrity and lower vibration levels. The hydraulic system has been upgraded to provide the highest lift capacity required for bigger and heavier implements. Good news for your productivity.

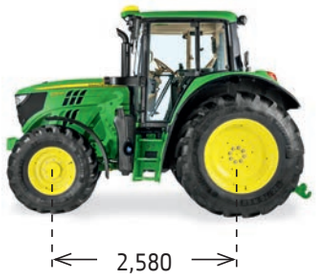


- *Superb hydraulics*
  Pressure and flow-compensated hydraulic system
  Up to 4 rear SCVs
  Integrated economy front hitch



- *6195M*
  New 6M flagship
- *Integrated solutions*
  AutoTrac and ISOBUS for all models
- *Comfort*
  TLS front axle suspension
  Mechanical cab suspension

SIX MODELS, THREE WHEELBASES



Compact, light and agile

6110M, 6125M



Versatile, efficient and powerful

6140M, 6155M



Heavy-duty workhorse

6175M, 6195M

- *Durability*
  PermaClutch 2

- *Loader ready*
  Front loader ready package ex-factory
  New R Series front loaders
  New electronic joystick

- *Strong backbone*
  Unique full steel frame chassis

- *Widest transmission portfolio*
  PowrQuad Plus
  Semi-automatic AutoQuad Plus
  Semi-automatic AutoQuad Plus EcoShift
  New CommandQuad Plus
  New CommandQuad Plus EcoShift



R-SERIES LOADERS	623R	643R	663R
6110M, 6125M	•	•	
6140M, 6155M		•	•
6175M, 6195M			•

PERFORMANCE	UPTIME	COST OF OPERATION
• Light but powerful with excellent power density • More power and torque to the ground • Easy to use tractor with simple controls • Comfortable workstation design with simple easy reach controls • Great stability for loader applications • GreenStar™ ready for top quality guidance	• Easy serviceability with easy reach access points save time with daily maintenance and periodic service • High quality components ensure less breakdowns in hard weather conditions • Smooth clutch modulation for long life expectancy • Full frame design for higher payload capacity and less component damages while working in field	• Efficient transmissions ensure optimum power delivery at reduced fuel consumption • ECO Transmissions reduce engine speed by 300 rpm in transport applications for better economy • Lower service cost with stretched service intervals* ** Only when serviced with John Deere Plus-50 II engine oil and low sulphur content fuels*

SPECIFICATIONS 6M SERIES TRACTORS

MODEL	6110M Cab	6125M Cab	6140M Cab	6155M Cab	6175M Cab	6195M Cab
ENGINE PERFORMANCE						
Rated power (97/68EC), hp (kW)	110 (81)	125 (92)	140 (103)	155 (114)	175 (129)	195 (143)
Max. power (97/68EC) hp (kW)	116 (86)	132 (97)	148 (109)	164 (121)	185 (136)	206 (152)
Constant power range, rpm	2 100 - 1 600					
Torque reserve, %	35					
Maximum torque, Nm (at 1 500 engine rpm)	497	522	632	700	790	880
Rated speed, rpm	2 100					
Manufacturer	John Deere Power Systems					
Type	PowerTech E					
Engine air filter	PowerCore® G2 air filter with pre-cleaning					
Aspiration	Fixed geometry turbocharger					
Cylinders/Displacement	4-cylinder – 4.5 L		6-cylinder – 6.8 L			
Cooling system	Distributed cooling system with temperature controlled viscous fan drive					
Fuel injection system and control	High pressure common rail system with up to 1 500 bar injection pressure, electronically controlled					
TRANSMISSIONS						
PowrReverser						
16/16 2.4 – 30 km/h	●	●				
PowrQuad Plus						
16/16 2.4 – 30 km/h	●	●	●			
16/16 3.2 – 38 km/h	●	●				
20/20 2.5 – 40 km/h				●	●	●
24/24 1.4 – 40 km/h	●	●	●			
AutoQuad Plus						
20/20 2.5 – 40 km/h				●	●	●
24/24 1.4 – 40 km/h	●	●	●			
AutoQuad Plus EcoShift						
20/20 2.5 – 40 km/h				●	●	●
24/24 1.4 – 40 km/h	●	●	●			
CommandQuad Plus						
24/24 1.4 – 40 km/h	●	●	●			
CommandQuad Plus EcoShift						
20/20 2.5 – 40 km/h				●	●	●
24/24 1.4 – 40 km/h	●	●	●			
Creeper (PowrReverser, PowrQuad Plus, AutoQuad Plus and AutoQuad Plus Ecoshift)	●	●	●	●		
AXLES						
Suspended front axle (option)	Triple Link Suspension (TLS) MFWD axle, hydro-pneumatic, permanently active, triple link, self-levelling, load-adjusting suspension					
Suspension range with TLS Plus	100 mm suspension range					
Engagement front differential lock	Self-locking differential					
Engagement rear differential lock	Electro-hydraulical with oil-cooled clutch					
Rear axle	Flange axle					
STEERING						
Type	Dynamic load sensing, hydrostatic, flow metering					
HYDRAULIC SYSTEM						
Type	Pressure Compensated (PC)/Pressure and Flow Compensated (PFC) system with load sensing function			Pressure and Flow Compensated (PFC) system with load sensing function		
Flow at rated engine speed base/option, L/min	80/114			114		
Selective control valves, SCVs (rear/mid)	Up to 4+3					
Power beyond	Optional					
Oil take out capacity with overfill, L	25			35		
Oil take out capacity with additional oil reservoir, L	37			47		
3-POINT HITCH – Rear						
Type	Electronic lower link sensing; load and depth control, infinite mix, float					
Category	II/IIIN		IIIN/III	III		
Maximum lift capacity at hooks, kg (base/option)	3 950/5 300	4 600/6 000	6 000/6 800	7 200/8 100	8 500	8 500
Lift capacity through full lift range (OECD 610 mm), kg (base/option)	2 500/3 400	2 900/3 800	3 800/4 300	3 700/4 200	4 850	4 850
Lift capacity through full lift range (OECD 1 800 mm), kg (base/option)	1 550/2 100	1 800/2 350	2 350/2 650	2 800/3 200	3 400	3 400
3-POINT HITCH – Front, optional						
Type	Front hitch controlled by rear SCV					
Category	IIIN					
Maximum lift capacity at hooks, kg	4 000					
Lift capacity through full lift range (OECD at the hooks), kg	3 300					
REAR PTO						
	Electro-hydraulically engaged, oil-cooled, multi-disc design					
Engine rpm at rated PTO speeds with 540/1000 option	1 967/1 962			1 987/2 000	1 950/1 950	
Engine rpm at rated PTO speeds with 540/540E/1000 option	1 967/1 496/1 962			1 987/1 753/2 000	1 950/1 721/1 950	
FRONT PTO, optional						
Type	Electro-hydraulically engaged, oil-cooled					
Engine speed at rated PTO speed (1 000), rpm	1 969					
CAB						
Specifications	310° all-round vision, telescoping and tiltable steering column/wheel					
Suspension (option)	Mechanical cab suspension (MCS)					
Noise level at operator's ear, dB (A)	71					
Cab glass area, m²	4.79					
Instrument panel	Integrated into dashboard					
MISCELLANEOUS						
AutoTrac Ready	Optional					
ISOBUS implement connection	Optional					
CAPACITIES						
Fuel tank, L	260	260	345	345	390	390
DIMENSIONS AND WEIGHTS						
Wheelbase, mm	2 580		2 765		2 800	
Width x Height x Length, mm	2 490 x 2 880 x 4 485		2 490 x 2 930 x 4 730	2 490 x 2 970 x 4 730	2 550 x 3 100 x 4 990	
Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tyres/max. rear tyre sizes						
Ground clearance, mm	490		530		545	
Measured at centre of front axle, using max. front and max. rear tyre sizes						
Shipping weight, kg	5 800		6 200	6 700	7 500	
Measured with average specifications						
Maximum permissible gross weight, kg	8 650	9 150	10 000	11 000	12 300	12 300
TYRE SIZES						
Front tyre sizes, max. available (diameter in cm)	540/65R24 (134)		540/65R28 (144)		600/65 R28 (152)	
Rear tyre sizes, max. available (diameter in cm)	600/65R38 (178)		650/65R38 (185)		710/70 R38 (200)	

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