

6B SERIES

TRACTORS



JOHN DEERE

6B SERIES TRACTORS

PERFECTION OF SIMPLICITY AND RELIABILITY.

OUR ALL-ROUNDER 6B TRACTORS ARE DESIGNED AND ENGINEERED TO PERFORM WITH THE SAME MATCHLESS PROFICIENCY AS THE LARGER JOHN DEERE MACHINES.



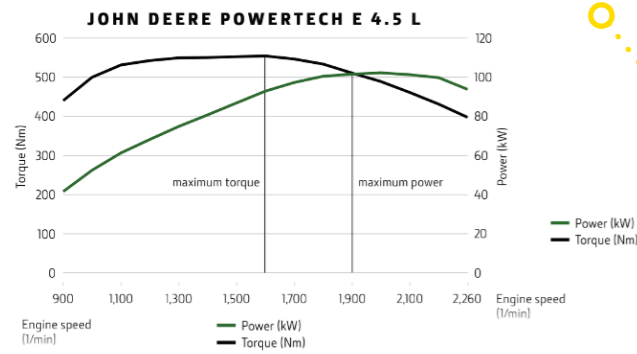
GRAINS



HAY & FORAGE



HIGH VALUE CROP



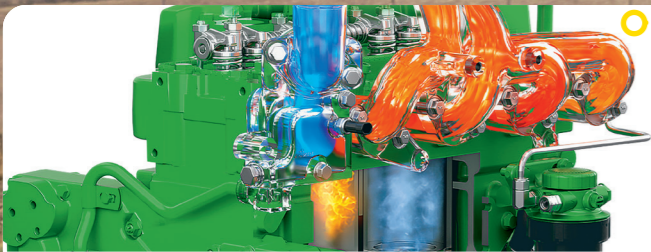
PUREPOWER

6B engines deliver uncompromising power. 95% of the engine torque is available at 1,100 rpm and maximum power at 1,900 rpm.



SERVICING

Service points are easy to access and the cooling system is easy to clean thanks to the tilting system units.



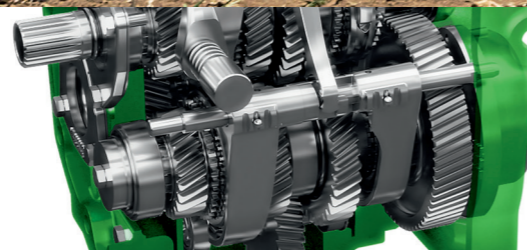
HIGH PERFORMANCE & HIGH QUALITY

Our all-rounder 6B tractors are designed and engineered to perform with the same matchless proficiency as the larger John Deere machines.



MANY APPLICATIONS - ONE TRACTOR

The 6B encompasses, on the one hand, compact and nimble design, and on the other hand amazing power and stability. One tractor for many applications.



MULTIPLE TRANSMISSION OPTIONS

30km/h & 40km/h transmissions with top quality synchronised gear shifting on the move ensure a smooth ride and drive experience. Equipped with a maintenance-free wet clutch offering efficiency and maximum uptime over the tractor's lifetime.



LONG RUNS EVERYWHERE

6B tractors feature up to 220 l fuel tank capacity for those long-running days during the peak season.



STRONG HYDRAULICS

6B tractors offer up to three SCVs with optional power beyond and motor return kits, together with up to 5,400 kg rear hitch capacity: more than enough for any implement in this class.

The 6B's advantages are reflected in all areas: performance, uptime, operator comfort, efficiency of operation and a design that responds to particular on-site requirements. 6B tractors are available in Premium and Deluxe Editions, customised according to the customer's needs.

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GRAINS



HAY & FORAGE



HIGH VALUE CROP

THIS WELL-BALANCED 6140B CAB TRACTOR WITH A HEAVY-DUTY FRAME IS AVAILABLE IN A STANDARD AND PREMIUM VERSION, OFFERING SPECIFICATION AND PERFORMANCE FEATURES THAT FULLY COMPLEMENT CUSTOMER NEEDS IN ANY APPLICATION RANGING FROM HEAVY TILLAGE, PLANTING, SPRAYING, SPREADING, MOWING, BALING, MATERIAL HANDLING AND TRANSPORT WORK.

PERFECTLY BALANCED

The two powershiftable Hi/Lo gears allow an increase in productivity of up to 15% and an improvement in fuel efficiency of up to 13% during heavy draft applications, thanks to shifting without traction loss.

RIGHT BALANCE AND FULL FLEXIBILITY

Correct weight distribution and flexible ballasting is essential for maximum power transfer and efficient work. The 6B dimensions, structural chassis, wheelbase and ballasting flexibilities make this universal tractor series ready for every job.



POWRREVERSER™ EFFICIENCY

With the new PowrReverser™ transmission, travel direction changes are now comfortable, more convenient and faster for the highest work efficiency.

EASY OPERATION

The electrohydraulic PTO switch provides fingertip control for engagement and disengagement.

WET CLUTCH DURABILITY

PowrReverser™, with John Deere's famous self-adjusting PermaClutch for maximum reliability even during heavy load applications.

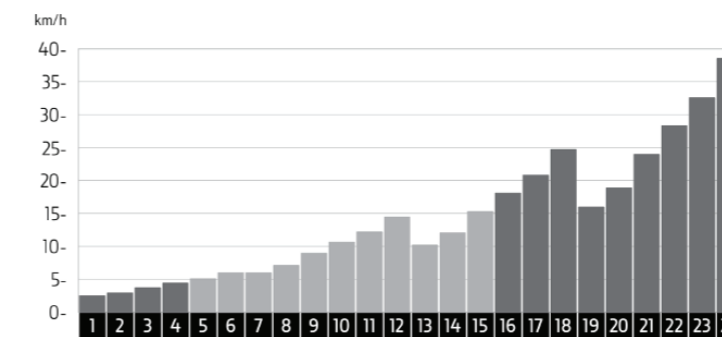
TAILORED UPGRADE

The 6B's modern cab now makes your working environment even more pleasant and efficient. The new PowrReverser™, with its tiltable and telescopic steering column, combined with high performance air conditioning and the suspended seat, make every minute in your workplace an enjoyable experience.

	6095B	6110B	6120B	6135B
ENGINE PERFORMANCE				
Rated power (97/68EC) hp (kW)	95hp (70kW)	110hp (81kW)	120hp (88kW)	135hp (99kW)
Maximum Engine Power at rated rpm (97/68EC) hp (kW)	96hp (71kW)	114hp (84kW)	124hp (91kW)	139hp (103kW)
Rated Engine Power (ECE-R24) hp (kW)	90hp (66kW)	103hp (76kW)	112hp (82kW)	125hp (92kW)
Max Engine Power @1900rpm (ECE-R24) hp (kW)	92hp (68kW)	108hp (79kW)	117hp (85kW)	130hp (96kW)
Constant Power Range (rpm)	2000 - 2200		1800 - 2200	
Torque Reserve, Percentage (%)	22	29	29	29
Maximum Torque, Nm @1600rpm	370Nm	452Nm	494Nm	555Nm
Rated Speed (rpm)	2200rpm			
Engine Manufacturer	John Deere Power Systems			
Engine Type (4 Cylinder), Displacement	4.5L PowerTech™ M		4.5L PowerTech™ E	
Fuel System	Mechanical Rotary		High Pressure Common Rail	
Fuel Filter System	Two Stage with Heavy Duty Water Separator and Service Indicator Light			
Cooling System	Water Cooled Serial Radiator, Fixed Fan System			
TRANSMISSION OPTIONS				
CAB Tractors (Premium and Deluxe)	24F/8R TSS 30k Hi-Lo WC 24F/12R TSS 30k Hi-Lo PR WC	24F/8R TSS 40k Hi-Lo WC (Premium) 24F/12R TSS 40k Hi-Lo PR WC (Deluxe)		
OOS Tractors (Standard and Deluxe)	12F/4R TSS 30k DC 24F/12R TSS 30k Hi-Lo PR WC	12F/4R TSS 30k DC (Standard) 24F/12R TSS 40k Hi-Lo PR WC (Deluxe)		
CLUTCH				
Clutch	Dry Clutch (DC) /Wet Clutch (WC)			
REAR AXLE AND FINAL DRIVES				
Permissible Tread Setting - Front Axle, mm	1625 - 2025mm		1740 - 2036mm	
Permissible Tread Setting - Rear Axle, mm	1613 - 2013mm		1620 - 2020mm	
Engagement - Front Differential Lock	Automatic			
Engagement - Rear Differential Lock	Mechanical			
Front Axle Type	Mechanical Front Wheel Drive			
Rear Axle Type	Flanged Rear Axle			
Turning Radius, meter (measured with front fenders)	4.30m		5.50m	
ELECTRICAL SYSTEM				
Alternator	90 Amps/14.5 Volt			
Battery	12 Volt/120 Ah			
STEERING				
Type	Hydrostatic			
Steering Column	Fixed/Tiltable and Telescopic			
HYDRAULIC SYSTEM				
Type	Open Center / Constant Flow			
Flow @ Rated Engine Speed (L/Min)	50 L/Min (Standard/Premium Package - for 2x SCV's)		60 L/Min (Deluxe Package - for 3x SCV's Package)	
Selective Control Valves (Number & Position)	2/3 Hydraulic Selective Control Valves, Rear			
Maximum Pressure	2000 bar			
3- POINT HITCH REAR				
Type	Heavy Duty, mechanical load and depth control, lower link sensing			
Category	Category II, Ball-end Type Hitch Arms			
Lift Capacity (measured @ 610mm behind hook point)	2500kg		3300kg	
Maximum Lift Capacity @ Hitch Ball Ends	4100kg		5400kg	
Lower Lift Stabilization	Deluxe Sway Stabilizers			
DRAWBAR				
Swinging Drawbar	Cat II with 31mm pin			
Maximum Vertical Load on Drawbar (retracted position)	1900kg			
Wagon Hitch Drawbar	Cat II with 31mm pin - Available as field installed kit			
Maximum Vertical Load on Wagon Hitch	2000kg			
REAR POWER TAKE-OFF (PTO), 540/1000RPM				
Type	Mechanical/Electro Hydraulically Operated PTO			
Clutch Type	Dry Clutch / Wet Clutch			
PTO Speed Change	Mechanical Reversible - Stub Shaft			
PTO Shaft	6 Spine/540 rpm or 21 Spline/1000rpm Stub Shaft			
Engine RPM & Rated PTO Speed	2200 rpm			

	6095B	6110B	6120B	6135B
OPERATOR STATION				
CAB Tractors (Premium and Deluxe)	HAVAC CAB (Heated, vented air-conditioned CAB)			
OOS Tractors (Standard and Deluxe)	Two Post Roll Over Protective Structure (ROPS) with Canopy (w/o lights in canopy)			
Instrument Panel	Integrated Dashboard Display			
CAPACITIES				
Fuel Tank (L)	150 L		220 L	
DIMENSIONS AND WEIGHTS				
Wheelbase (mm)	2310		2560	
Overall Height (mm)	2730		2830	
Overall Length (mm)(with base weight/with front weights)	4235/4655		4415/4835	
Ground Clearance (mm). Center MFWD without front ballast	395	425	455	455
Tractor Weight (kg) (shipping weight no ballasting)	4165 kg	4400 kg	4630 kg	4630 kg
Maximum Permissible Gross Weight (kg)	6200 kg	6800 kg	6800 kg	8000 kg
WHEELS AND TYRES				
Front Wheels (Radial Tire Technology)	320/85R24	340/85R24	380/85R24	380/85R24
Rear Wheels (Radial Tire Technology)	420/85R34	460/85R34	460/85R38	460/85R38

NEW TRANSMISSION - NEW 6B



IN THE FIELD

6B tractors put you ahead in the field thanks to densely designed gears to run in every application at the optimum working speed and the optimum engine speed.

IDEAL RANGES FOR ALL

A	2.5 2.9 3.7 4.4 5.1 6.0 A1L A1H A2L A2H A3L A3H	Feeding, Front Loader, Vegetable Applications
B	6.0 7.1 8.9 10.6 12.2 14.5 B1L B1H B2L B2H B3L B3H	Cultivation, Seeding, Ploughing, Baling
C	10.2 12.1 15.3 18.1 20.8 24.7 C1L C1H C2L C2H C3L C3H	Fertiliser and Manure Applications, Spraying, Mowing
D	15.9 18.9 24.0 28.3 32.5 38.5 40.2 D1L D1H D2L D2H D3L D3H D3MAX	Transport

Speed (km/h) Gear

6140B

ENGINE PERFORMANCE

Rated power (97/68EC) hp (kW)	140hp (103kW)
Maximum Engine Power at rated rpm (97/68EC) hp (kW)	145hp (107kW)
Rated Engine Power (ECE-R24) hp (kW)	130hp (95.6kW)
Max Engine Power @1900rpm (ECE-R24) hp (kW)	136hp (100kW)
Constant Power Range (rpm)	1800 - 2200
Torque Reserve, Percentage (%)	35
Maximum Torque, Nm @1600rpm	602Nm
Rated Speed (rpm)	2200rpm
Engine Manufacturer	John Deere Power Systems
Engine Type (4 Cylinder), Displacement	6.8L PowerTech™ E
Fuel System	High Pressure Common Rail
Fuel Filter System	Two Stage with Heavy Duty Water Separator and Service Indicator Light
Cooling System	Water Cooled Serial Radiator, Fixed Fan System

TRANSMISSION OPTIONS

CAB Tractors (Standard and Premium)	12F/4R TSS 40km/h WC (Standard) 24F/12R TSS 40km/h Hi-Lo PR WC (Premium)
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CLUTCH

Clutch	Wet Clutch (WC)
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REAR AXLE AND FINAL DRIVES

Permissible Tread Setting - Front Axle, mm	1636 - 2036mm
Permissible Tread Setting - Rear Axle, mm	1620 - 2020mm
Engagement - Front Differential Lock	Automatic
Engagement - Rear Differential Lock	Mechanical
Front Axle Type	Mechanical Front Wheel Drive
Rear Axle Type	Flanged Rear Axle
Turning Radius, meter (measured with front fenders)	6.00m

ELECTRICAL SYSTEM

Alternator	90 Amps/14.5 Volt
Battery	12 Volt/120 Ah

STEERING AND BRAKES

Type	Hydrostatic
Steering Column	Fixed/Tiltable and Telescopic
Brakes	Heavy Duty Mechanical actuated Service Brakes Mechanical Park Brake

HYDRAULIC SYSTEM

Type	Open Center / Constant Flow
Flow @ Rated Engine Speed (L/Min)	60 L/Min (Deluxe Package - for 3x SCV's)
Selective Control Valves (Number & Position)	2/3 Hydraulic Selective Control Valves, Rear
Maximum Pressure	200 bar

3-POINT HITCH REAR

Type	Heavy Duty, mechanical load and depth control, lower link sensing
Category	Category II, Ball-end/Hook-end type hitch arms
Lift Capacity (measured at 610mm behind hook point)	3300 kg
Maximum Lift Capacity at Hitch Ball ends	5400 kg
Lower Lift Stabilization	Deluxe Sway Stabilizers

REAR POWER TAKE-OFF (PTO), 540/1000 RPM

Type	Electro hydraulically operated PTO
Clutch Type	Wet Clutch
PTO Speed Change	Mechanical reversible - stub shaft
PTO Shaft	6 Spine/540rpm or 21 Spline / 1000rpm Stub Shaft
Engine rpm at rated PTO speed	2085/2067

OPERATOR STATION

CAB Tractors (Standard and Premium)	HAVAC CAB (heated, vented air-conditioned CAB)
Instrument Panel	Integrated dashbord display

CAPACITIES

Fuel Tank (L)	255 L
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DIMENSIONS AND WEIGHTS

Wheelbase (mm)	2677
Overall Height (mm)	2940
Overall Length (mm) (with base weight/with front weights)	4850/4900
Ground clearance (mm), Center MFWD without front ballast	480
Tractor weight (kg) (shipping weight no ballasting)	4830
Maximum permissible Gross Weight (kg)	8000

WHEELS AND TIRES

Front Wheels (Radial tire technology)	380/85R24
Rear Wheels (Radial tire technology)	460/85R38

This literature has been compiled for broadcast in sub-Saharan Africa. While general information, pictures and descriptions are provided, some illustrations and text may include finance product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specifications and design of product at any time without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.