

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.



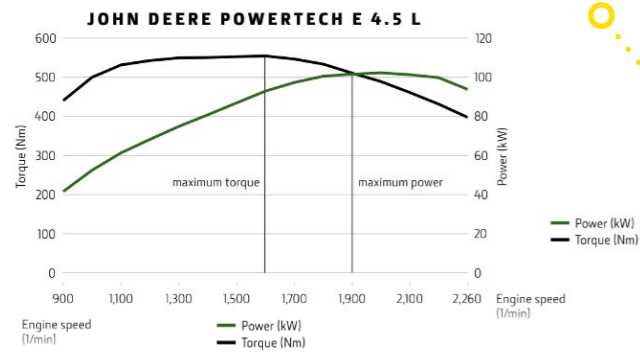
GRAINS



HAY & FORAGE

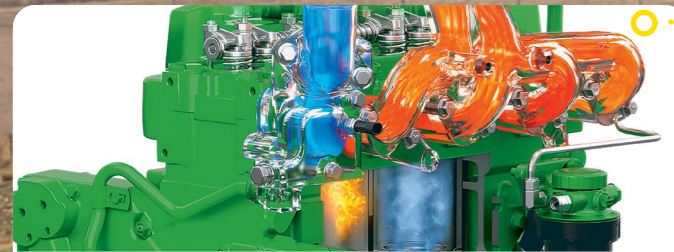


HIGH VALUE CROP



PUREPOWER

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



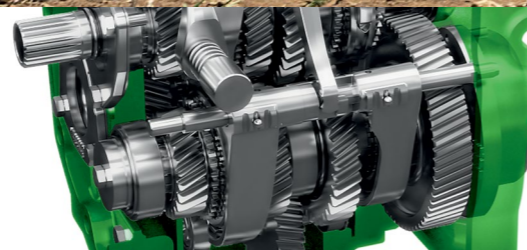
HIGH PERFORMANCE & HIGH QUALITY

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 220L fuel tank capacity for those long-running days during the peak season.



SERVICING

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



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.

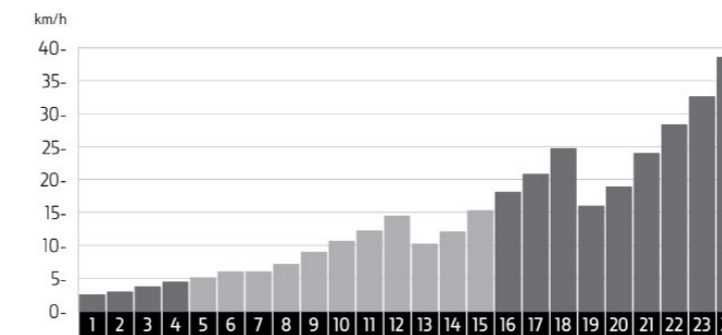
TAILORED UPGRADE

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 Engine Power (97/68EC) hp (kW)	95 (70)	110 (81)	120 (88)	135 (99)
Max. Engine Power (97/68EC) hp (kW)	96 (71)	114 (84)	124 (91)	139 (103)
Rated Engine Power (ECE-R24) hp (kW)	90 (66)	103 (76)	112 (82)	125 (92)
Max. Engine Power (ECE-R24) hp (kW)	92 (68)	108 (79)	117 (85)	130 (96)
Constant Power Range (rpm)	2 000 - 2 200		1 800 - 2 200	
Torque Reserve, percentage (%)	22	29	29	29
Maximum Torque, Nm (at 1 600 engine rpm)	370Nm	452Nm	494Nm	555Nm
Rated Speed (rpm)	2 200rpm			
Engine Manufacturer	John Deere Power Systems			
Engine Type (4 Cylinder), Displacement	4.5L PowerTech M	4.5L PowerTech E		
Fuel System	Mecahnical Rotary	High Pressure Common Rail		
Fuel Filter System	Two Stage with Heavy Duty Water Seperator 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	1 625 - 2 025mm		1 740 - 2 036mm	
Permissible Tread Setting - Rear Axle, mm	1 613 - 2 013mm		1 620 - 2 020mm	
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)	4.30 meter		5.50 meter	
ELECTRICAL SYSTEM				
Alternator	90 Amps/14.5 Volt			
Battery	12 Volt/120 Ah			
STEERING AND BRAKES				
Type	Hydrostatic			
Steering Collumn	Fixed/Tiltable and Telescopic			
Brakes	Heavy Duty Mechanical actuated Service Brakes. Mechanical Park Brake			
HYDRAULIC SYSTEM				
Type	Open center / Constant Flow			
Flow at rated engine speed L/min	50 L/min (Standard/Premium Package - for 2 x SCV's)	60 L/min (Deluxe Package - for 3 x SCV's)		
Selective Control Valves (number and 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 type hitch arms			
Lift Capacity (measured at 610mm behind hook point)	2 500 kg		3 300 kg	
Maximum Lift Capacity at Hitch Ball ends	4 100 kg		5 400 kg	
Lower Lift Stabilization	Deluxe Sway Stabilizers			
DRAWBAR				
Swinging Drawbar	Cat II with 31 mm pin			
Maximum Vertical Load on Drawbar (retracted position)	1 900 kg			
Wagon Hitch Drawbar	Cat II with 31 mm pin - Available as field installed kit			
Maximum Vertical Load on Wagon Hitch	2 000 kg			
REAR POWER TAKE-OFF (PTO), 540/1 000 RPM				
Type	Mechanical /Electro hydraulically operated PTO			
Clutch Type	Dry Clutch/Wet Clutch			
PTO Speed Change	Mechanical reversible - stub shaft			
PTO Shaft	6 Spline / 540rpm or 21 Spline / 1 000rpm stub shaft			

	6095B	6110B	6120B	6135B
OPERATOR STATION				
CAB Tractors (Premium and Deluxe)	HVAC CAB (heated, vented air-conditioned CAB)			
OOS Tractors (Standard and Deluxe)	Two Post Roll Over Protective structure (ROPS) with Canopy			
Instrument Panel	Integrated dashbord display			
CAPACITIES				
Fuel Tank (L)	150 L		220 L	
DIMENSIONS AND WEIGHTS				
Wheelbase (mm)	2 310		2 560	
Overall Height (mm)	2 730		2 830	
Overall Length (mm) (with base weight/with front weights)	4 235/4 655		4 415/4 835	
Ground clearance (mm) (center of MFWD axle)	395	425	455	455
Tractor weight (kg) (shipping weight no ballasting)	4 165 kg	4 400 kg	4 630 kg	4 630 kg
Maximum permissible Gross Weight (kg)	6 200 kg	6 800 kg	6 800 kg	8 000 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 Engine Power (97/68EC) hp (kW)	140 (103)
Max. Engine Power (97/68EC) hp (kW)	145 (107)
Rated Engine Power (ECE-R24) hp (kW)	130 (95.6)
Max. Engine Power (ECE-R24) hp (kW)	136 (100)
Constant Power Range (rpm)	1 800 - 2 200
Torque Reserve, percentage (%)	35
Maximum Torque, Nm (at 1 600 engine rpm)	602
Rated Speed (rpm)	2 200
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 40 km/h WC (Standard) 24F/12R TSS 40 km/h Hi-Lo PR WC Premium)
Clutch	Wet Clutch (WC)

REAR AXLE AND FINAL DRIVES

Permissible tread Setting - Front axle, mm	1 636 - 2 036
Permissible tread Setting - Rear axle, mm	1 620 - 2 020
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 without front fenders)	6.00 meter

ELECTRICAL SYSTEM

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

STEERING AND BRAKES

Steering Type	Hydrostatic
Steering Collumn	Fixed/Tilttable and Telescopic
Brakes	Heavy Duty Mechanical actuated Service Brakes. Mechanical Park Brake

HYDRAULIC SYSTEM

Type	Open center Constant Flow
Flow at rated engine speed L/min	60 L/min (Deluxe Package - for 3 x SCV's)
Selective Control Valves (number and 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)	3 300 kg
Maximum Lift Capacity at Hitch Ball ends	5 400 kg
Lower Lift Stabilization	Deluxe Sway Stabilizers

DRAWBAR

Swinging Drawbar	Cat II with 31 mm pin
Maximum Vertical Load on Drawbar (retracted position)	1 900 kg
Wagon Hitch Drawbar	Cat II with 31 mm pin - Available as field installed kit
Maximum Vertical Load on Wagon Hitch	2 000 kg

REAR POWER TAKE-OFF (PTO), 540/1 000 RPM

Type	Electro hydraulically operated PTO
Clutch Type	Wet Clutch
PTO Speed Change	Mechanical reversible - stub shaft
PTO Shaft	6 Spline / 540rpm or 21 Spline / 1 000rpm stub shaft
Engine rpm at rated PTO speed	2 085/2 067

OPERATOR STATION

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

CAPACITIES

Fuel Tank (L)	255 L
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DIMENSIONS AND WEIGHTS

Wheelbase (mm)	2 677
Overall Height (mm)	2 940
Overall Length (mm) (with base weight/with front weights)	4 850/4 900
Ground clearance (mm), Center MFWD without front ballast	480
Tractor weight (kg) (shipping weight no ballasting)	4 830
Maximum permissible Gross Weight (kg)	8 000

WHEELS AND TIRES

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

This literature has been compiled for broad circulation 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 the specification and design of products described in this literature without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.