

# NEW 6E Series

105–135 Engine Horsepower Utility Tractors



*Everything you need.  
Nothing you don't.*





- 1 **Stay comfortable all day long:** One of the most comfortable cabs you can get on a value-spec utility tractor.
- 2 **15 degrees of seat swivel** will help you feel less fatigued if you back frequently, spend all day pulling an implement or handle transport chores.
- 3 **Instructional seat.** Perfect for training new operators, the optional instruction seat offers comfortable, easy-to-stow seating for trainees.
- 4 **Simple, intuitive controls** make the 6E a highly productive utility tractor for any operator.





**Low cost of operation** goes beyond fluid economy. The 6E maintains the low cost of maintenance that made the 6D so popular.



**Simple to service** ... it's a big part of the 6E value story. Regular maintenance checks are easy so you can get on the job quick. The lifetime DPF filter won't require costly or time-consuming replacement either.

*Every 6E Series Tractor  
is backed by the trusted  
John Deere name ...  
and a two-year,  
2,000-hour warranty.<sup>±</sup>*

	6105E	6120E	6135E
4.5 L engine	PowerTech PWL	PowerTech PWL	PowerTech PWS
Emission level*	Final Tier 4	Final Tier 4	Final Tier 4
Cylinders	4	4	4
Engine hp <sup>‡</sup>	105	120	135
PTO hp	89	102	115
Injection	HPCR electronic	HPCR electronic	HPCR electronic
Rated engine speed (rpm)	2200	2200	2200

\*All models meet U.S. federal emissions regulations while increasing horsepower and fuel efficiency. ‡ Manufacturer's estimate of power (ISO) per 97/68/EC.  
±Hour and/or usage limitations apply and vary by model. See the LIMITED WARRANTY FOR NEW JOHN DEERE AGRICULTURAL EQUIPMENT at dealer for details.



# Get ready to move mountains

*With a 6E and H Series Loader, you've got a team built to dig in and get it done.*

When your loader matches your tractor, you've got a big win in the productivity column. And that's exactly what you'll get with an H Series Loader and the John Deere 6E.

Versatility is the name of the game here. Go from moving bales to stacking pallets. Move several tons of gravel, then get on to the next chore. There's nothing here to slow you down.

The low torque tube and concealed oil lines improve visibility so you can move faster. Integrated parking stands make it easy for quick, tool-free removal and attachment. And with the optional loader-ready package, your tractor will be ready for a loader directly from the factory.

The green on green advantage is real. And you can see it in action every day when you run a 6E and H Series Loader.



You can depend on true loader/tractor integration to give you the strength and reliability you need, year after year, for increased productivity.



With 3,946 pounds (1789 kg) of lift capacity, an H Series Loader handles round bales ... and can even lift and stack two 5X6 bales easily.



Concealed oil lines improve visibility and protect the hydraulic system from damage.



The global carrier – with its single lever for attachments – helps you move from job to job quickly.



False rod bucket cylinders require a smaller displacement of oil on the head end of the cylinder allowing the cylinder to dump significantly faster than a normal cylinder. The result? Faster bucket dumping cycle times. (False rod bucket cylinders are only available on Mechanical Self-Leveling configurations.)

Concealed oil lines, routed through the boom arm and torque tube, protect the hydraulic system.

Cast steel components add strength and durability.

The low torque tube and redesigned attachment carrier improves visibility, making it easier to operate and switch attachments. And with a wide range of John Deere and Frontier attachments you can quickly go from quickly go from moving bales to moving pallets to loading the feed mixer.



## H Series Loader and Tractor Compatibility

Model #	Tractor Compatibility	Leveling Options
H260	5M   5083-5101E   6E	NSL or MSL
H310	6E   5M   6105-6125M/R	NSL or MSL



## Heavy lifting is all in a day's work

*Up front or out back, the 6E delivers the one-two punch.*

The numbers tell the real story here. The 6E delivers 20 gpm (75 lpm) of hydraulic flow at 2,828 psi, so you can handle some heavy lifting up front. And cycle loads faster and more efficiently.

Out back, the hard-working Category II 3-point hitch has 5,500 pounds (2484 kg) of lift capacity, so big rotary cutters and 2,000 pound (907 kg) round bales are all in a day's work. Each 6E comes standard with two SCVs and is available with a third SCV with flow control so you can match power to the implement for consistent results.

If you need even more power, you've got it. The optional heavy-duty hitch package pushes lift capacity to 7,300 pounds (3311 kg).

The loader control is comfortably located right where your hand will be, making it easy to reach and use. 20 gpm of hydraulic flow makes for faster loader cycle times.



Lift capacity for the 6E Series 3-point hitch is an impressive 5,500 pounds (2494 kg) at 24 inches behind the lift point, with an optional 7,300 pounds (3311 kg) of lift capability available ... more than enough for round bales, heavy seeders, or a tillage tool.





The 6E comes standard with an intuitive hydraulic stack featuring two color-coded and numbered SCVs to make your job easier. An optional third deluxe SCV with flow control is also available.

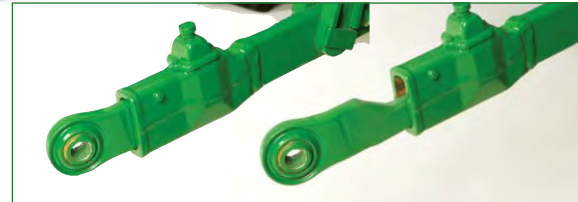


The conveniently located console makes operating the hitch intuitive. Raise and lower the hitch with the control lever and set the stop knob for preset depth.



- 1 The Category II drawbar can handle big implements like flex-wing rotary cutters.
- 2 With optional sway bars featuring sway control, hook up and adjustment are easy.

Telescoping draft arms make implement hook up faster and easier.





## *Match up to any implement ... and go*

*With the powerful, reversible PTO, you'll move from chore to chore with ease.*

If you've got a day filled with just about every type of application there is, the 6E has the answer.

### **Bring it on!**

Whether you're baling, chipping wood, digging postholes, running a grinder/mixer or pulling a flex-wing mower, you'll have the power to get it done.

The electrohydraulic engagement system allows you to power the PTO up or down with one simple move. Because the PTO is fully independent, you can handle tough, start-and-stop conditions. It keeps the power flowing whether you're clutching, stopping or changing gears. And switching from 540 to 1000 rpm takes less than 30 seconds, making it easy to handle any implement you've got ... even those requiring higher power within a constant power range.



Take on a wide range of PTO-powered jobs with the 540/1000 RPM independent PTO system.





The 6E Series includes both the PTO Neutral Safety Start System and the Seat-Activated PTO Warning.



The 540/1000 rpm PTO shaft is easily reversible in less than 30 seconds because of the dry sump PTO housing.



Engaging the PTO is an easy, smooth push-pull operation. And because the system is independent, stopping or downshifting the tractor won't change the PTO rpm levels.



The 540/1000 PTO lets you operate the widest possible variety of implements; run your posthole digger, round baler, square baler, or just about any other implement.



1



2



1. Handle large round bales with a 6E Tractor and a Frontier Equipment Bale Carrier.  
*BC1108 Bale Carrier shown.*

2. Put a 6E Tractor in front of any of the Frontier Manure Spreaders, and you're making quick, easy work of even the dirtiest jobs.

3



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3. Save money by grinding and mixing your own feed with a 6E Tractor and a Frontier Equipment Grinder Mixer.  
*GX1117 Grinder Mixer shown.*

4. Athletic fields, municipal parks, or large landscape installations...give them all a quality cut with 6E Series Tractors and Frontier Grooming Mowers.



	6105E	6120E	6135E
POWER * estimated			
Rated PTO power (hp SAE) at engine speed (2100 erpm)	89 hp (66 kW)	102 hp (76 kW)	115 hp (86 kW)
Rated Engine power hp (hp ISO) at 2200 engine rpm (97/68EC)*	105 hp (77 kW)	120 hp (88 kW)	135 hp (99 kW)
Engine Peak Torque (Nm) (xx% @ 1600rpm)	432 N-m (318 lb.-ft)	494 N-m (364 lb.-ft)	539 N-m (397 lb.-ft)
Constant Power Range (rpm)	1800 - 2200 rpm		1900 - 2200 rpm
ENGINE			
Manufacturer (US EPA Interim Tier4/EU Stage IIlb)	PowerTech™ PWL (B20 Diesel Compatible)	PowerTech™ PWL (B20 Diesel Compatible)	PowerTech™ PWS (B20 Diesel Compatible)
Rated Speed	2,200 rpm		
Type	Diesel, in-line, 4-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		
Aspiration (US EPA Interim Tier4/EU Stage IIlb)	Wastegate turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation		
Filter, engine air	Dual stage with aspiration		
Displacement	275 cu. In. (4.5L)		
Bore and stroke	4.17 in. (106 mm) x 5.00 in. (127 mm)		
Compression ratio	16.8:1		
Lubrication	Full-pressure, full-flow filtration with bypass		
Filter, oil	Replaceable cartridge style oil filter		
TRANSMISSION			
12F/12R Top Shaft Synchronized (TSS) Transmission w/ PowrReverser (30K)	Standard		
24F/12R Top Shaft Synchronized (TSS) Transmission w/PowrReverser and Hi Lo (40 k)	Option		
AXLES			
Rear Axle Final Drive	Inboard planetary		
Rear Axle - Flange	Standard		
2WD – tread range 60.4 to 80.4 in. (1533 to 2043 mm)	Optional	N/A	
MFWD - tread range 59.7 to 79.4 in. (1516 to 2016 mm)	Standard		
DIFFERENTIAL LOCK			
Front Axle - 2WD	N/A		
Front Axle - MFWD	Limited Slip		
Rear Axle - Full-Locking mechanical	Standard		
HYDRAULIC SYSTEM (type)			
	Open center, gear driven		
Selective control valves	2 Mechanical SCVs Standard; 3 Mechanical SCVs Optional		
Main pump, axial piston (displacement)	36.5 cc		
Maximum pressure	2,828 psi (19,500 kPa)		
Rated flow (@ 90% Advertised Efficiency)	20 US gpm/75.7 lpm		
Available flow at a single SCV	20 US gpm/75.7 lpm		
3-POINT HITCH (rear) - Electrohydraulic Sensing			
Category 2 (5500 lbs (2500 kg) Standard Lift @ 610mm behind hitchpoint)	Standard		
Category 2 (7300 lbs (3318 kg) Heavy Duty Lift @ 610mm behind hitchpoint)	Optional		
Draft Sensing	Optional		
DRAWBAR			
Cat 2 1000 kg (2205 lb.) - 1250 kg (2756 lb.) Maximum Vertical Load dependent on drawbar position	Standard		
Cat 2 1200 kg (2645 lb.) - 1900 kg (4189 lb.) Maximum Vertical Load dependent on drawbar position	Optional		
PTO (power take off)	Independent		
1-3/8 in., 540/1000 reversible shaft	Standard		
PTO Speed @ Engine RPM	540 PTO @ 2085 Engine rpm or 1000 PTO @ 2067 Engine rpm		
WHEELBASE			
2WD	96.7 in. (2456 mm)		
MFWD	96.5 in. (2450 mm)		
Max Ballast Level	14250 lb (6464 kg)		
Max Payload Capacity	17636 lb (8000 kg)		

Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations. US EPA Interim Tier4/EU Stage IIIb Tractor power and specifications. Manufacturers Estimates.

\* 97/68/EC power refers to average (50% MOE) net brake power measured and corrected for ambient conditions according to the EC emissions directive. It is equivalent to internal Deere Standard RES10080, and SAE Standards J1349, J1995.