

# 7030 Premium Series

125 to 136 kW (170 to 185 hp) (97/68 EC) Tractors

143 to 151 kW (195 to 205 hp) with Intelligent Power Management





# Premium power. Premium performance.

John Deere 7430 and 7530 Premium Series Tractors are built to fully exploit the enhanced power and performance of the PowerTech Plus engine. Intelligent Power Management provides up to 19 additional kW (25 hp) when you need it – automatically, during transport or PTO work.

Meet the all-new 7030 E Premium Series tractor. With an exclusive built-in electric generator that powers all the engine auxiliaries, it delivers up to 26 additional kW (35 hp) in Intelligent Power Management Mode plus increased torque while using 6.3 percent less fuel.\*

\*Source: DLG 7030 E Premium Focus tests, compared to the 7030 Premium Series tractor

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**7430** – 125 kW/143 kW\* (170 hp/195 hp\*)

**7530** – 136 kW/151 kW\* (185 hp/205 hp\*)

\* with Intelligent Power Management  
Horsepower figures shown are (97/68/EC) rated



**At a Glance –**

- Strong components support high horsepower demands
- Adequate clearance for larger tyres, providing increased levels of traction

## Experience greater levels of power density.

With intelligent Power Management, added power becomes available as you need it. This higher horsepower requires added strength in the tractor to handle the higher levels of power delivered to the wheels and PTO.

Our 7030 Premium tractors are built strong to shoulder these heavy working requirements day in and day out. The full length frame is designed with added durability and strength.

The rear drivetrain components are built strong to withstand those punishing work conditions. Traction is increased with a 42 rear wheel option.

PermaClutch 2 uses multiple large-diameter oil-cooled discs to eliminate service needs. The result is a high power to weight ratio tractor with a high strength to weight, to handle demanding transport and field applications.

### **Traction**

*You get high power density in a low-weight package with all-round performance. Plus, 7030 Premium tractors are built to accommodate up to Group 47 tyres for added performance.*

### **Durable frame – designed for added strength**

*The full-length frame removes load stresses on the engine and drive train components, especially those from heavy PTO work, transport, or loader applications.*

### **Tougher drivetrain**

*The drivetrain is built to withstand the high levels of power flowing through the rear axle for added traction, or through the PTO for heavy field loads.*



## Ag Management Solutions

When you make the move to precision farming, look to John Deere Agricultural Management Solutions (AMS). It all works with the GreenStar common components: The StarFire iTC DGPS receiver to pinpoint your exact in field location and a GreenStar Display to monitor and control your field operation.

Start with Parallel Tracking, our satellite-based manual guidance system. By **reducing skips and overlaps**, it makes every pass more productive. When you're ready, use the components you already own and upgrade to hands-free guidance with AutoTrac assisted steering. AutoTrac reduces skips and overlaps by as much as 10%, thereby **saving you time, fuel and labour costs**. You'll also get **greater comfort and faster headland turns** because AutoTrac takes the guesswork out of your return path.



### Signal accuracy options

- **SF1 – FREE**, pass-to-pass accuracy  $\pm 30$  cm
- **SF2** – pass-to-pass accuracy of  $\pm 10$  cm
- **StarFire RTK** – Repeatable  $\pm 2$  cm accuracy

## iGuide

With iGuide you can now experience highest precision standards in all your seeding, planting and tillage operations. Irrespective of your terrain, iGuide keeps your implement on track. In uneven terrain the weight of your pull-type implement will cause it to drift. The result is gaps and overlaps that affect the quality of your work. With iGuide, the tractor now changes its path to compensate for implement drift in uneven terrain and slopes and guides the implement to a perfect pass-to-pass result.

## FieldDoc Data Collection

Turn your tractor into an **information gathering machine with FieldDoc**. Working with your StarFire iTC receiver and GreenStar 2600 monitor, FieldDoc simplifies in-cab data collection such as field boundaries, tillage practices, seed varieties, fertiliser type, application rates and crop protection records.

## JDLink

If you manage a fleet of tractors, JDLink helps you track all your machines from the convenience of your office. JDLink gives you or your dealer visibility to live tractor performance data, detailed service records, and precise vehicle location.



The StarFire iTC receiver has been independently **certified as Category A receiver** for accuracy and suitability for area measurement.

## GreenStar Common Components

- ❶ **The GreenStar 1800 Display** is easy to use and can quickly moved from one vehicle to another across your fleet. GreenStar 1800 is ISOBUS compatible and allow you to control ISOBUS implements. With this Display you can also run guidance applications like ATU 200, AutoTrac, Parallel Tracking and Sprayer Pro.
- ❷ **4 in 1 – The GreenStar 2600 Display** brings you four features in only one display. It gives you full control of all your guidance applications, is ISOBUS conform and comes pre loaded with field documentation to boost productivity. It can also act as a tractor performance monitor. With the GreenStar 2600 display, your tractor is fully prepared to optimise machine performance (guidance applications and performance monitor), document critical field tasks (FieldDoc), and control of your ISOBUS implements.
- ❸ **The StarFire iTC position receiver** pinpoints your exact in field position for all your guidance and documentation features. With its integrated Terrain Compensation module it can correct all position calculations to adjust for uneven ground and slopes providing you with precision guidance and more accurate readings.

## Experience new levels of power and economy.

Our PowerTech Plus engines give you the torque and power you need to make quick work of the toughest tasks. Built to be efficient and durable as well as powerful, they offer four valve common rail design for deeper breathing and torque delivery. Full authority electronic engine management means that fuel injection is precise and never wasted. Extra power and constant high torque properties mean you can do more in a single day, pulling today's larger implements and trailers with ease.

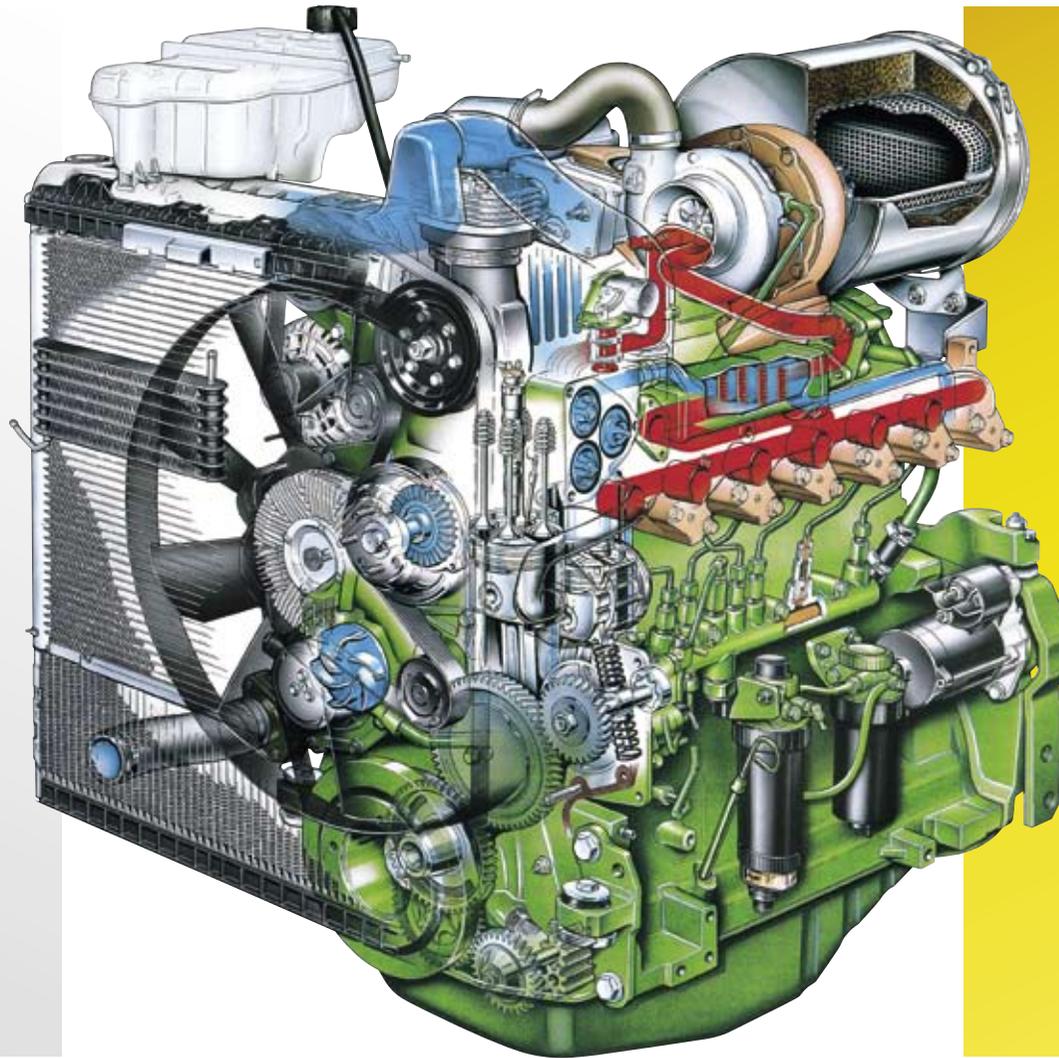
7030 Premium PowerTech Plus Engine



*Up to 35% engine torque rise gives you pulling power for the toughest conditions.*

#### Engine rpm

- Torque without Intelligent Power Management
- Torque with Intelligent Power Management
- Power without Intelligent Power Management
- Power with Intelligent Power Management



#### **Proven PowerTech Plus Engine technologies help benefit your bottom line – Power when you need it**

Extra power of up to 7%, plus Intelligent Power Management providing up to 18 kW (25 hp) more. You always have power in reserve.

– **Four Valve CommonRail (4V-CR) design** uses four valves per cylinder and high pressure common rail fuel delivery to ensure instant response to varying load conditions. You get improved productivity and fuel economy.

– **Variable Geometry Turbocharger (VGT)** provides excellent low speed torque, improved engine response and enhanced fuel economy.

– **Exhaust Gas Recirculation (EGR)** proven on-highway technology improves fuel economy and reduces emissions.

– **Charge Air Cooler** with twin coolant pass system for accurate temperature control, providing performance and fuel efficiency.

#### **At a Glance –**

- PowerTech Plus engines
- Economical and powerful 4V-CR design
- Advanced technologies such as VGT and EGR improve fuel economy

**6 Cylinder 6.8 L 125 and 136 kW  
(170 and 185 hp) rated (97/68/EC)**

**John Deere PowerTech Plus engines with Intelligent Power Management (IPM)** give you additional power when you need it most – up to 18 additional kW (25 hp) over rated levels during transport and mobile PTO applications. Get work done faster and easier.

## Meet a tractor so revolutionary, it will change the way you measure efficiency.

You are looking at a first in the long history of farm machinery: the all-new 7030 E Premium Series tractor. It has an exclusive built-in generator that produces enough electricity to power all the engine auxiliaries. With no power drags from these components, the revolutionary design unleashes the full power of the PowerTech Plus engine in the field and on the road. You'll not only save fuel costs, you'll also see a definite power boost, faster acceleration and greater overall tractor efficiency. It's the future of tractor technology now.

**7530**  
E Premium



*The all-new 7030 E Premium Series tractor is the first and only tractor with an electric generator to power auxiliaries such as engine cooling fan, air brake compressor, cab air conditioning compressor, providing a more efficient use of the engine performance. The E Premium line also provides 300 amp current for all other 12 V systems for both tractor and implements.*

## Take a closer look into E Premium tractor technology

- 1 Crankshaft-driven electric generator** replaces the standard alternator. Attached to the engine flywheel it generates up to 20 kW of electricity via a converter to power engine auxiliaries.
- 2 Power electronics control box** converts AC to DC electricity and this in turn distributes the power to the auxiliary drives as and when required.
- 3 Vehicle controller** is the tractor's brain, working with the power electronics control box to coordinate the proper amount and timing of electric power for every important tractor function.
- 4 Fan drive and circuit coolant pump** replace the belts and pulleys found in tractors. Both are powered by electric motors that vary their speed by engine temperature. There's no lag in cooling, and it automatically shuts down when not needed to enhance efficiency.
- 5 Belt-driven air brake compressor** with electrically engaged clutch is designed to work only when needed. A magnetic clutch engages its drive only when the circuit pressure drops.
- 6 Electric-powered air conditioning compressor** is located directly under the cab away from the engine heat improving efficiency. It's designed to run independently of engine speed so it can reach maximum cooling capacity even when the tractor is idling.



### At a Glance –

- The first and only tractor with a built-in electric generator
- Revolutionary design delivers power to engine auxiliaries
- Two external power outlets for tools

*The latest advance in tractor technology began with a solid idea based on rising fuel costs and a call for greater efficiency. A spark of genius resulted: the E Premium Series tractor.*

## New levels of power

Inside the E-Premium tractors, you'll find the same PowerTech Plus engine with Intelligent Power Management. But thanks to the generator's ability to power all those components that normally absorb power, the full potential of the PowerTech Plus engine is released.

### Valuable fuel savings.

Can a tractor this powerful also be fuel efficient? E Premium Series tractors have been shown to use 6.3 percent less fuel than the 7030 Premium Series tractor, according to the official DLG Power Mix test\*.

### Significant power boost.

You'll get the continuous power of the PowerTech Plus engine working for you, delivering an up to 26 kW (35 hp) boost as well as greater torque rise in Intelligent Power Management mode.

### Faster acceleration.

Intelligent Power Management starts at 1250 rpm instead of 1700 rpm due to the extra cooling from the electric-driven fan combined with the electric controlled coolant pump that runs independently of engine speed. This keeps the engine cool in every situation –something other tractors simply cannot do. That also means you can accelerate 15 percent faster than the 7530 Premium tractor.

### Energy-saving cooling system.

Combined with the efficient cooling system the main fan has a reverse operation function. It is controlled by the operator via the CommandCenter to assist in removing dust from the cooling radiator.

\* DLG 7030 E Premium Focus test



— 7530 E Premium Torque (Nm) with Intelligent Power Management  
 — 7530 Premium Torque (Nm) with Intelligent Power Management  
 — 7530 Premium and E-Premium Torque (Nm) without Intelligent Power Management



— 7530 E Premium Power (kW) with Intelligent Power Management  
 — 7530 Premium Power (kW) with Intelligent Power Management  
 — 7530 Premium and E-Premium Power (kW) without Intelligent Power Management

All the advantages listed are available on the E Premium Series Tractors with AutoPower Transmission and Electronic Selective Control Valves (E-SCV).



**The E Premium Series tractor** has one of the highest power-to-weight ratios in its class, resulting in increased load response in field PTO work (above) and improved transport acceleration on the road (below).

**Air conditioning when you need it.** You'll get peak cooling capacity even when the tractor is idling. That's because the air conditioning compressor is electric-driven and independent of engine speed.

**Two external power outlets for tools.** There are both 230-volt single-phase and 400-volt three-phase power sockets at the back of the tractor to plug in your power hand tools.



You can plug in portable lighting; operate a power saw or even weld, anywhere.



## Experience easy, smooth, reliable speed control.

You don't have to compromise when it comes to transmission selection. You can get both – highly customizable transmissions that let you optimize in-field, or on-road productivity and easy to use operation that allows even the most inexperienced operator to be productive in a short time.

Select from three transmission options. You can choose the right transmission for your operation, rather than being forced into a transmission you don't need. This freedom is just part of the experience of owning a John Deere.

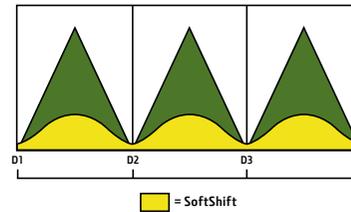


### **At a Glance –**

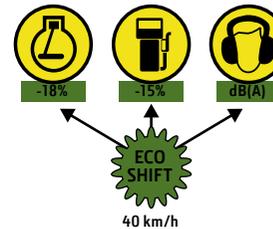
- Three transmission choices to match your specific requirements: PowrQuad Plus, AutoQuad Plus and AutoPower
- All providing a comfortable, easy to use interface with the operator



**All-new declutch button** on PowrQuad Plus and AutoQuad Plus transmissions allows you to conveniently shift ranges on-the-go, with the click of a button.



**Get a smooth gear change, even under load, thanks to SoftShift.** The advanced John Deere engine/transmission team integrates the engine in shifting operations, briefly and automatically adjusting engine throttle to create a smooth shift. It's standard on both PowrQuad Plus and AutoQuad Plus transmissions, for comfort almost equal to the AutoPowr Transmission.



**ECO SHIFT** lets you travel at top transport speeds at lower engine rpm to achieve greater operator comfort and reduce fuel consumption. It's available for the 40K AutoQuad Plus transmission.

### AutoPowr Transmission

Tractor transmission technology has never been so easy to use. AutoPowr can be driven by anyone within a few seconds of sitting in the seat. A single lever lets you shift smoothly from 0 to 40 or 50 km/h ... and any speed in between. There's absolutely no clutching required, even to bring the tractor to a stop. You can dial in a specific speed and the transmission and engine work together to maintain the desired speed, with worry-free, instant and automatic response to changing load conditions. And with our exclusive PowerZero, you can hold the tractor at zero speed – that means no rollbacks, even on inclines regardless of loads.



**AutoPowr** lets you fine-tune the transmission and engine to your defined operations for optimal economy and performance.

**AutoPowr speed control lever** has been ergonomically redesigned on the CommandArm version for even greater comfort and ease of use.

## Experience premium comfort and control.

Your first step into a 7030 Premium tractor cab will tell you this is no ordinary operating environment. From the fit and finish to the soft touch, textured surfaces, you'll appreciate the quality of your operating station.

Plus, you can add an optional panorama door and feel even more at home in this tractor. With the wide expanse of glass you'll get nearly 360 degrees of clear visibility.

Go ahead – adjust the air suspension seat. Tilt and telescope the steering wheel (notice the instrument pod and left hand reverser stay with the wheel).

Dial in a desired temperature for automatic temperature control. Use the built-in cooler or conveniently placed cup holder. On cold days, turn on the heated seat.



### **At a Glance –**

- *New, optional, panorama door for improved visibility*
- *Ergonomically designed interior offers better comfort*
- *CommandCenter with fingertip controls optimizes tractor performance*

**CommandCenter**

**Controls** are precise and well located to provide critical tractor information and controls within easy reach. You can customize a number of functions to suit you and your farming needs.



With **ClimaTrak** automatic temperature control, just set your desired in cab temperature. The system looks after itself and your comfort level.



**Control PTO** on/off from the rear of the machine; ideal access for those times when you need it.

**Electronic Selective**

**Control Valve (E-SCV)** is conveniently placed on the right console to allow you to make easy adjustments and deliver precise control. The all-new AutoQuad Plus declutch button lets you easily shift up and down on-the-go.



## Premium productivity for arable applications

For cereal and arable crop production, it's hard to beat the powerful performance of the 7030 Premium tractors.

Careful thought has been given to improvements in the positioning and operation of every control to reduce potential errors, confusion and to prevent operator fatigue. Easy-to use hydraulic controls, along with the one-touch convenience of the Headland Management System, ISO compatibility, powerful lighting and the award-winning TLS axle concept are all at your disposal, for more profitable productivity.



### **At a Glance –**

- HMS Plus makes headland turns a one-touch operation
- TLS Plus front axle suspension offers unmatched ride quality, pulling power and control

**ISO compatible controls** allow you to take command of implements such as this power harrow/seed drill combination. End result? Greater productivity that matches your operational production plans.



**Choose mechanical or Electro-hydraulic SCV controls.** ESCVs put adjustments within finger reach, for accurate and confident control of up to six SCVs.

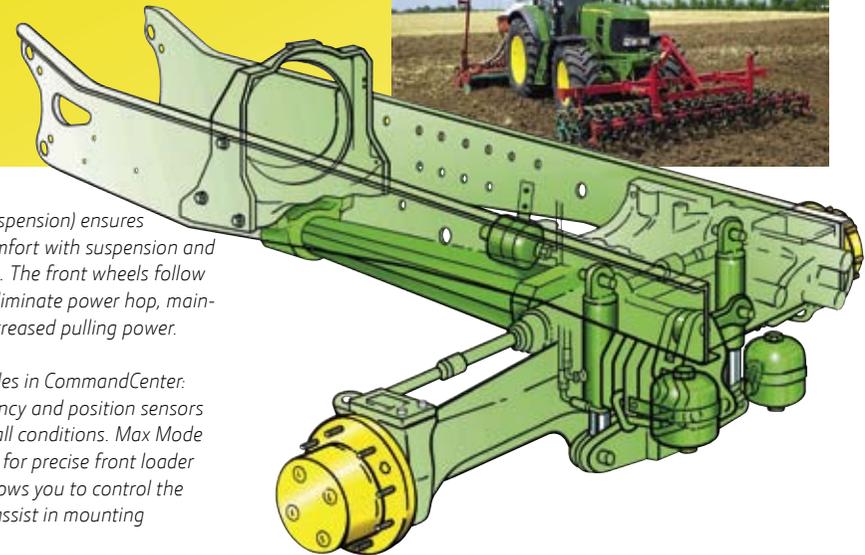
**The CommandCenter** is your gateway to optimal tractor performance. Adjust and customize your tractor's operational capabilities to your operation specifics, all at one conveniently placed location utilizing a clear and adjustable full color display.

**Customize hydraulic flow rates** and time settings through the CommandCenter. Optimize implement performance and make operations easier reducing time spent in the field.

**Punch through the night** and extend your vision with optional Xenon lighting. Front, mid mounted and rear Xenon lights are available and can be supplemented by additional roof mounted work lights.

### **More productive tractors. More productive operators.**

Headland Management System (HMS Plus) can eliminate operator fatigue at headlands. By sequencing multiple tractor functions into a one touch operation, you simplify tractor and implement operation and increase the field accuracy at each pass. One fingertip motion can replace a flurry of individual operations and now you can store up to 5 different field applications, enabling a quicker start to field



**TLS Plus** (Triple Link Suspension) ensures the ultimate driving comfort with suspension and automatic load leveling. The front wheels follow ground contours and eliminate power hop, maintaining traction and increased pulling power.

Choose from three modes in CommandCenter: Auto Mode uses frequency and position sensors for dynamic control in all conditions. Max Mode "stiffens" the front axle for precise front loader work. Manual mode allows you to control the position of the axle to assist in mounting implements.

## Premium versatility in grassland operations

Whether you are mowing fields, baling, spreading solids, spraying or transporting those precious crops, the 7030 Premium has the versatility you're looking for.

You get additional power from Intelligent Power Management in mobile PTO applications. Plus, power assisted PTO speed selection makes it easy to change PTO speed with the press of a button. Plus, ISO compatibility and integration with John Deere AMS solutions make it easy to document operations and pinpoint areas of your operation to improve.



### **At a Glance –**

- *Versatile hitch and PTO options extend your capabilities*
- *AMS integration and ISO compatibility make these tractors ready for the future*
- *Intelligent Power Management for that extra PTO flexibility*



**You will find it easy to handle all farm materials**, from bales to fertilizer, and precision placement of pallets with an integrated joystick and left hand reverser. The loader fully integrates with the full frame design of the tractor, providing a robust, well-proven concept.



**Intelligent Power Management** gives you added power in mobile PTO operations. You have the power to bale on steep terrain and pull through those heavier crops.



**Control ISO compatible implements** through the optional full color GS2 monitor



**Guidance options**, such as AutoTrac, reduce implement overlap and wasted effort.



**As versatile as you need.** The unique three-in-one hitch rail lets you use a variety of connections, from pick-up to ball, wagon to piton. No matter what system you use, these tractors can accommodate.



# Specifications

	7430 Premium	7430 E Premium	7530 Premium	7530 E Premium
<b>ENGINE PERFORMANCE</b>				
Rated power (97/68 EC), kW (hp)	125 (170)	121 (165)	136 (185)	132 (180)
Maximum power (97/68 EC), kW (hp)	134 (182)	131 (178)	146 (198)	143 (195)
Rated Intelligent Power Management 97/68EC (in mobile PTO and transport applications), kW (hp)	143 (195)	147 (200)	151 (205)	157 (213)
Rated power (ECE-R24), kW (hp)	120 (163)	118 (160)	131 (178)	129 (175)
Maximum power (ECE-R24), kW (hp)	129 (175)	126 (171)	140 (190)	138 (188)
Rated Intelligent Power Management ECER24 (in mobile PTO and transport applications), kW (hp)	136 (185)	141 (192)	144 (195)	150 (204)
Maximum Torque, Nm	768	760	835	828
Constant power range, rpm	550	525	550	525
Torque Reserve, %	35	38	35	38
<b>ENGINE SPECIFICATIONS</b>				
Rated speed, rpm	2100			
Type	PowerTech Plus, CommonRail, 4 Valves, Stage IIIA Emissions Certified			
Aspiration	Variable Geometry Turbocharger with Intercooler and Cooled Exhaust Gas Recirculation (EGR)			
Cylinder and Displacement, ccm	6/6788			
Cooling fan drive	Temperature controlled viscous fan	Temperature sensed electronic speed control	Temperature controlled viscous fan	Temperature sensed electronic speed control
Fuel Injection system & Control:	High Pressure CommonRail			
Fuel Tank Capacity, l	385			
<b>TRANSMISSIONS OPTIONS</b>				
<b>PowrQuad Plus</b> 20/20 2.5 – 40 km/h	X	–	X	–
<b>AutoQuad Plus</b> 20/20 2.5 – 40 km/h or 2.5 – 50 km/h	X	–	X	–
<b>AutoQuad Plus ECO SHIFT</b> 20/20 2.5 – 40 km/h	X	–	X	–
<b>AutoPowr</b> 50 m/h – 40 km/h or 50 km/h	X	X	X	X
<b>PTO – REAR</b>				
Type	Electro-hydraulically operated oil cooled multi-disc clutch			
540/540E/1000 Rear PTO at rated PTO speeds, rpm	1950/1778/1950			
540E/1000/1000E Rear PTO at rated PTO speeds, rpm	1778/1950/1733			

	7430 Premium	7430 E Premium	7530 Premium	7530 E Premium
<b>HYDRAULIC SYSTEM</b>				
	PFC System (pressure and flow compensating), load sensing			
Maximum flow (L)	110			
Maximum SCV's	4			
<b>3-POINT HITCH – Rear</b>				
Type	III			
Type	Electronic lower link; load & depth control, infinite mix, float			
Maximum lift capacity at hooks, kN	88.4			
<b>FRONT AXLES – TLS Plus TRIPLE LINK SUSPENSION</b>				
Design	Hydro-pneumatic, permanent active, triple link; self-levelling; accumulators			
Suspension system	100 mm suspension range			
Brakes (option)	Increased braking capacity by additional brake discs in the axle hubs			
<b>CAB</b>				
Type	Tiltable cab; 310° all-round vision; telescoping and tiltable steering column/wheel; 2 storage compartments; opt. FieldOffice			
Sound Reduction/Level, dB(A)	70.6			
Display	CommandCenter and dashboard			
<b>SERVICE INTERVALS AND QUANTITIES</b>				
Engine oil, h/l	500, 19.5			
Engine Coolant, h/l	1500, 28			
Transmission, final drive and hydraulic oil (with AutoPowr), h/l	1500, 61/71			
<b>DIMENSIONS AND WEIGHTS</b>				
Wheelbase, mm	2685			
Width x Height x Length, mm	2382 x 3045 x 4798			
With tyre size	16.9R30 and 20.8R42			
Minimum shipping weight, kg	6620			
Maximum Permissible Gross Weight at 40 km/h, kg	12300			

Specifications and design subject to change without notice.

## Experience a premium partnership

When it comes to in-the-field support, nothing matches the reliability of your John Deere dealer. Whether it's service after the sale, a critical parts need for any of your equipment, regular servicing, or emergency repair, your dealer stands ready to deliver the prompt – and friendly – service that's the hallmark of John Deere. It's only part of our long-term commitment to your success.



### JOHN DEERE CREDIT

**"Take the credit for buying the best"**

John Deere Credit – A range of financing options as powerful as our products. Contact your John Deere dealer for a comprehensive range of finance options to suit the specific needs of your business.

"Not available in all countries please consult your local dealers"

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