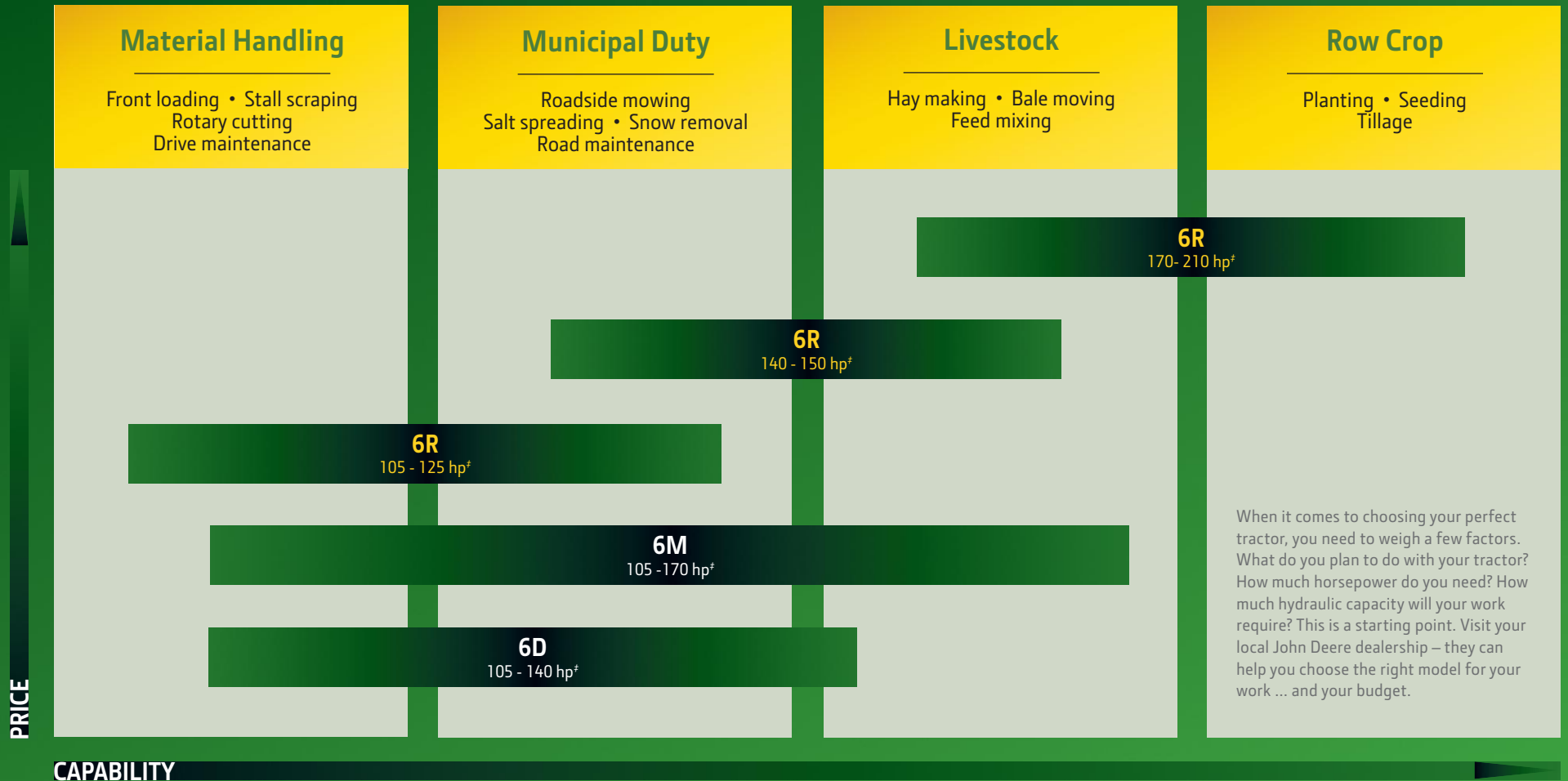


# 6R Series Tractors

105–210 Engine Horsepower Tractors



# THE JOHN DEERE 6 FAMILY – Born ready to work.



| Tractor Model | Engine hp | PTO hp | Hydraulic Flow gpm |
|---------------|-----------|--------|--------------------|
| 6105D         | 105       | 87     | 20.0               |
| 6115D         | 115       | 95     | 20.0               |
| 6130D         | 130       | 105    | 20.0               |
| 6140D         | 140       | 115    | 20.0               |

| Tractor Model | Engine hp† | PTO hp† | Hydraulic Flow gpm |
|---------------|------------|---------|--------------------|
| 6105M         | 105        | 86      | 21 (30.0 opt)      |
| 6115M         | 115        | 95      | 21 (30.0 opt)      |
| 6125M         | 125        | 102     | 21 (30.0 opt)      |
| 6140M         | 140        | 114     | 21 (30.0 opt)      |
| 6150M         | 150        | 123     | 30.0               |
| 6170M         | 170        | 142     | 30.0               |

| Tractor Model | Engine hp† | PTO hp† | Hydraulic Flow gpm |
|---------------|------------|---------|--------------------|
| 6105R         | 105        | 86      | 30                 |
| 6115R         | 115        | 94      | 30                 |
| 6125R         | 125        | 101     | 30                 |
| 6140R         | 140        | 111     | 30                 |
| 6150R         | 150        | 120     | 30                 |
| 6170R         | 170        | 140     | 41                 |
| 6190R         | 190        | 157     | 41                 |
| 6210R         | 210        | 175     | 41                 |

Specifications and design subject to change without notice.

†Manufacturer's estimate of power (ISO) per 97/68/EC.

‡PTO horsepower will vary based on tractor configuration.



# The 6R Series Tractors: R is for Ready.

Ready to lift the heaviest silage bales. Ready to pull a loaded planter or drill. Ready to take on the most overgrown pastures, the dirtiest stalls, or the biggest piles of gravel. In short? The John Deere 6R Series tractors are ready to take on the toughest utility, livestock, or row-crop chores you can imagine.

Need proof? Just look at some numbers. Hitch-lift capacities of up to 12,200 pounds. Hydraulic capacity of up to 41 gpm. Twenty percent more cab space than the models they replace. Configurations from 105 to 210 hp.

So if you're ready to take on tough jobs...worry about the weather. Worry about the market. But don't worry about your tractor being ready for the job.

*The John Deere 6R Series tractors were born ready.*





**6210R**

**6190R**

**6170R**

**6150R**

**6140R**

**6125R**

**6115R**

**6105R**





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# Ready for the rough stuff

## The new 105- to 125-hp 6R Series Tractors

If you run a mid-sized or expanding dairy, livestock, equine, or row-crop operation, we have your next tractor: the 6R Series from John Deere, now including the 6105R, 6115R, and 6125R. As the newest members of the 6R family, these do-it-all utility tractors give you versatility, power, comfort, and useability unheard-of in tractors of this size.

Get ready to change your idea of what a tractor can do...stop by your John Deere dealership and ask about the all-new 6R Series.

From down-and-dirty livestock production to material handling chores, the newest 6R Series Tractors are built to handle the toughest jobs, with a level of comfort and convenience you have to experience to believe.

*Equip your 6R Series Tractor with any of the hundreds of implements, accessories, and attachments available from John Deere and Frontier.*







Whether you're talking three-point, PTO, loader, or drawbar applications, the 6105R, 6115R, and 6125R have the features and capacities to hit the job head-on. Full compatibility with the entire portfolio of GreenStar™ precision applications helps make sure technology won't outpace your tractor.



## The right features. The right size.

Make no mistake. These may be the smallest of the Series, but the new 6105R, 6115R, and 6125R models still offer all the same comfort, convenience, and productivity-enhancing features as their larger models.

Start where you sit: The expansive new ComfortView cab environment (see pages 14-15) gives you room to stretch out, and offers large, automotive-style gauges and easy-to-reach controls. An available hitch capacity of more than 8,400 lbs/3,810 kgs (6125R model only) lets you lift heavy bales or big rotary cutters with ease. Equip your 6R with the IVT or AutoQuad™ PLUS transmission, and you have up to 31 mph (50 km/h) of road speed at your command. And to help you keep an eye on it all, every 6R Series Tractor gives you the GS3 Command Center for single-point control over select GreenStar operations, plus monitoring of vital tractor systems and functions.





## 6R Series Specifications NEW 6105R | 6115R | 6125R

Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations  
 \* 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.



Long days seem shorter when you're in a cab like this. The new ComfortView™ cab gives you 20 percent more space than previous models, plus added comfort features and increased visibility.

Specifications and design subject to change without notice.\*Horsepower ratings effective Spring 2010. See dealer for details.

This literature has been compiled for worldwide circulation. While general information, pictures, and descriptions are provided, some illustrations and text may include finance, insurance, product options and accessories NOT AVAILABLE in all regions. PLEASE CONTACT YOUR LOCAL DEALER FOR DETAILS. John Deere reserves the right to change specification, design and price of products described in this literature without notice. John Deere, the leaping deer symbol, and John Deere's green and yellow trade dress are the trademarks of Deere & Company.

|   | 6105R   | 6115R              | 6125R             |
|---|---|--------------------|-------------------|
| POWER * estimated   |   |                    |                   |
| Rated PTO power (hp SAE) at rated engine speed (2100 erpm)  | 86 hp (64.1 kW)   | 94 hp (70 kW)      | 101 hp (75 kW)    |
| Rated Engine power hp (hp ISO) at 2100 engine rpm (97/68EC)*                                      | 105 hp (78.3 kW)  | 115 hp (85.8 kW)   | 125 hp (93.2 kW)  |
| Max Engine power hp (hp ISO) at 1900 engine rpm (97/68EC)*  | 116 hp (85 kW)  | 127 hp (93 kW)     | 138 hp (101 kW)   |
| Intelligent Power Management  | 20 Additional Engine Horsepower (hp ISO) at 2,100 RPM (rated speed)                                     |                    |                   |
| ENGINE  |   |                    |                   |
| Manufacturer (US EPA Interim Tier4/EU Stage IIb)  | John Deere PowerTech™ PVX (B20 Diesel Compatible)   |                    |                   |
| Intelligent Power Management (IPM)  | 20 hp (15 kW)   |                    |                   |
| Type  | Diesel, in-line, 4-cylinder, wet-sleeve cylinder liners with 4 valves-in-head                           |                    |                   |
| Aspiration (US EPA Interim Tier4/EU Stage IIb)  | Single variable geometry turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation |                    |                   |
| Filter, engine air  | Dual stage with engine cooling fan aspiration   |                    |                   |
| Displacement  | 275 cu. in. (4.5L)  |                    |                   |
| TRANSMISSION  |   |                    |                   |
| 16 Speed PowerQuad PLUS™ Transmission   | Option (Deduct)   |                    |                   |
| 24 Speed AutoQuad PLUS™ ECO Transmission 40K  | Standard  |                    |                   |
| 24 Speed AutoQuad PLUS™ ECO Transmission 50K  | Option  |                    |                   |
| John Deere Infinitely Variable Transmission (IVT) 0.030-26 mph (0.050-42 km/h)                    | Option  |                    |                   |
| John Deere Infinitely Variable Transmission (IVT) 0.030- 31 mph (0.050-50 km/h)                   | Option  |                    |                   |
| ELECTRICAL SYSTEM   |   |                    |                   |
| Alternator/Battery  | 14V, 120 amps (14V, 200 amp Optional)/12V   |                    |                   |
| Total cold cranking amps  | 1200 CCA  |                    |                   |
| REAR AXLE AND WHEEL EQUIPMENT   |   |                    |                   |
| Flanged: 2 Position Steel Wheels  | Inboard planetary three pinion<br>Option  |                    |                   |
| Flanged: 8 Position Steel Wheels  | Standard  |                    |                   |
| 79.45 x 2555 mm diameter (3.1 x 100.6 in.): 2 Position Steel Wheels                               | Option  |                    |                   |
| 79.45 x 2555 mm diameter (3.1 x 100.6 in.): 2 Position Cast Wheels                                | Option  |                    |                   |
| FRONT AXLES   |   |                    |                   |
| 2WD – tread range 60 to 88 in. (1524 to 2235 mm)  | 2WD deduct option   |                    |                   |
| MFWD - tread range 60 to 88 in. (1524 to 2235 mm)   | MFWD standard   |                    |                   |
| TLS - tread range 60 to 88 in. (1524 to 2235 mm)  | Optional  |                    |                   |
| TLS with front brakes, available with 40Kph, standard with 50Kph                                  | Optional  |                    |                   |
| STEERING  |   |                    |                   |
| Hydrostatic Power   | (Standard) - Load Sensing, Hydrostatic, Flow Metering with a 406mm diameter Strg wheel                  |                    |                   |
| HYDRAULIC SYSTEM (type)   |   |                    |                   |
| Closed-center, pressure/flow compensated  |   |                    |                   |
| Selective control valves  | 2-450 Series mechanical SCVs standard, up to 4-450 Series electronic SCVs optional                      |                    |                   |
| Main pump, axial piston (displacement)  | 45cc  |                    |                   |
| Maximum pressure  | 2,900 psi (20,000 kPa)  |                    |                   |
| Rated flow, 60cc pump   | 30.1 US gpm/114 lpm   |                    |                   |
| Available flow at a single SCV  | 26.4 U.S. gpm/100 lpm   |                    |                   |
| 3-POINT HITCH (rear) - Electrohydraulic Sensing   |   |                    |                   |
| Category 2/3N -- standard   | 4755 lb (2157 kg)   | 5582 lb (2532 kg)  | 6475 lb (2937 kg) |
| Category 2/3N -- option   | 6475 lb (2937 kg)   | 7432 lb (3371 kg)  | 8457 lb (3836 kg) |
| DRAWBAR   |   |                    |                   |
| Cat 2 1400 kg (3085 lb.) - 2450 kg (5400 lb.) Maximum Vertical Load dependent on drawbar position | Standard  |                    |                   |
| PTO (POWER TAKE OFF)  |   |                    |                   |
| 1-3/8 in., 540/1000 reversible shaft  | Independent   |                    |                   |
| 1-3/8 in 540/540E/1000 reversible shaft   | Standard  |                    |                   |
|   | Optional  |                    |                   |
| CAPACITIES  |   |                    |                   |
| Fuel Tank, Standard   | 220L (58 US gal.)   |                    |                   |
| Fuel Tank, Optional   | 265L (70 US gal.)   |                    |                   |
| Cooling System  | 28.2L (10.6 qt)   |                    |                   |
| WHEELBASE   |   |                    |                   |
| 2WD   | 102 in. (2580 mm)   |                    |                   |
| MFWD / TLS  | 102 in. (2580 mm)   |                    |                   |
| MFWD / TLS axle clearance under axle differential housing w/ 540/65 24                            | 19.6 in. (50 cm)  |                    |                   |
| MFWD / TLS axle clearance off-center axle w/ 540/65 R24   | 22.0 in. (56 cm)  |                    |                   |
| AVERAGE STANDARD WEIGHT less front weights  |   |                    |                   |
| TLS/AQ 600/65R38, 540/65R24, Shipping fuel, Front weight support                                  | 11990 lbs (5440 kg)   |                    |                   |
| Max Payload Capacity  | 18700 lbs (8500kg)  | 20900 lbs (9500kg) |                   |

Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations. US EPA Interim Tier4/EU Stage IIb 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.



## When the going gets tougher.

Built to handle the demands of larger livestock and dairy operations... designed to meet the needs of municipal or governmental operators... perfect for tougher utility tractor chores like hauling grain or pulling big drills... the all-new 6140R and 6150R Tractors have it all, and more.

Start with the heart of the tractor: the PowerTech™ PVX 6-cylinder 6.8 L engine. This latest version of the proven PowerTech engine gives you high-pressure common-rail fuel injection for superior power delivery at low engine speeds. Plus, there's no need to worry about compliance; all 6R Series Tractors are compliant with 2013 emissions regulations\*.

But engine power is only part of the story. The 6140R and 6150R Tractors have the hydraulic power, the transmission options, and the comfort and convenience features to help you get the job done... faster, easier, and more comfortably than ever.



\*current as of ).





Like every 6R Series Tractor, the 6140R and 6150R are compatible with the H Series Loaders. Order the available panoramic roof for exceptional up-and-out visibility to the end of the loader.

If you have a variety of PTO-intensive jobs, you'll appreciate the reversible 540/1000 PTO shaft. Order the optional Economy PTO, and your implements will run at standard PTO speeds, even as the engine runs at reduced RPM, reducing engine wear and saving fuel.





## Who's afraid of a little dirt?

Stall scraping. Manure spreading. Feed mixing. The dirtier the job, the better the new 6140R and 6150R perform.

If you dread the dirty jobs, get ready to change your tune. Thanks to the new comfort and convenience features, as well as all the available options, the 6140R and 6150R tractors help make even the grunt work like a walk in the park.

Take a look at the ComfortView cab, standard on all 6R Series Tractors. With 20 percent more interior space than previous models, plus available features like Adaptive Hydraulic Cab Suspension Plus, you and your drivers will be fighting over who gets to do the dirty work! Lift heavy, wet loads easily with the H Series Loaders and up to 30.0 gpm of hydraulic flow. Or, fill your spreader with the heaviest muck, and let the reversible 540/1000 PTO with optional Economy mode take care of the rest.







Cut it, bale it, lift it, load it, grind it, mix it... the all-purpose 6140R and 6150R Tractors are built to handle the demands of dairy, beef, and equine operations.

|   | 6140R   | 6150R                |
|---|---|----------------------|
| POWER * estimated   |   |                      |
| Rated PTO power (hp SAE) at rated engine speed (2100 erpm)  | 111 hp (83 kW)  | 120 hp (90 kW)       |
| Rated Engine power hp (hp ISO) at 2100 engine rpm (97/68EC)*  | 140 hp (103 kW)   | 150 hp (110 kW)      |
| (Standard) Max Engine power hp (hp ISO) at 1900 engine rpm (97/68EC)*   | 154 hp (113 kW)   | 165 hp (121 kW)      |
| Intelligent Power Management  | 20 Additional Engine Horsepower (hp ISO) at 2,100 RPM (rated speed)                                     |                      |
| ENGINE  |   |                      |
| Manufacturer (US EPA Interim Tier4/EU Stage IIIB)   | John Deere PowerTech™ PVX (B20 Diesel Compatible)   |                      |
| Intelligent Power Management (IPM)  | 20 hp ( kW)   |                      |
| Rated Speed   | 2,100 rpm   |                      |
| Aspiration (US EPA Interim Tier4/EU Stage IIIB)   | Single variable geometry turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation |                      |
| Filter, engine air  | Dual stage with engine cooling fan aspiration   |                      |
| Displacement  | 415 cu. In. (6.8L)  |                      |
| TRANSMISSION  |   |                      |
| 16 Speed PowerQuad PLUS™ Transmission   | Option (Deduct)   |                      |
| 20 Speed AutoQuad PLUS™ ECO Transmission 40K  | Standard  |                      |
| 20 Speed AutoQuad PLUS™ ECO Transmission 50K  | Option  |                      |
| John Deere Infinitely Variable Transmission (IVT) 0.030-26 mph (0.050-42 km/h)  | Option  |                      |
| John Deere Infinitely Variable Transmission (IVT) 0.030- 31 mph (0.050-50 km/h)   | Option  |                      |
| ELECTRICAL SYSTEM   |   |                      |
| Alternator/Battery  | 14V, 120 amps (14V, 150 amp Optional; 14V, 200 amp Optional)/12V  |                      |
| Total cold cranking amps  | 1200 CCA, group 4D battery Standard, EU: type A   |                      |
| REAR AXLE AND WHEEL EQUIPMENT   |   |                      |
|   | Inboard planetary three pinion  |                      |
| 92 x 2550 mm diameter (3.62 x 100.4 in.)  | Standard  |                      |
| 92 x 2808 mm diameter (3.62 x 110.5 in.)  | Option  |                      |
| Flange  | Option  | N/A                  |
| High-Crop   | N/A   | Option               |
| FRONT AXLES   |   |                      |
| 2WD – tread range 60 to 88 in. (1524 to 2235 mm)  | Optional  |                      |
| MFWD - tread range 60 to 88 in. (1524 to 2235 mm)   | Standard  |                      |
| TLS - tread range 60 to 88 in. (1524 to 2235 mm)  | Optional  |                      |
| TLS with front brakes, avaialble with 40Kph, standard with 50Kph  | Optional  |                      |
| STEERING  |   |                      |
| Hydrostatic Power   | (Standard) - Load Sensing, Hydrostatic, Flow Metering with a 406mm diameter Strg wheel                  |                      |
| HYDRAULIC SYSTEM (type)   |   |                      |
|   | Closed-center, pressure/flow compensated  |                      |
| Selective control valves  | 3-450 Series Mechanical SCVs Standard, 3-4 E/H SCVs Optional; 2 Mechanical SCVs Optional                |                      |
| Main pump, axial piston (displacement)  | 45cc  |                      |
| Maximum pressure  | 2,900 psi (20,000 kPa)  |                      |
| Rated flow  | 30.1 US gpm/114 lpm   |                      |
| Available flow at a single SCV  | 26.4 U.S. gpm/100 lpm   |                      |
| 3-POINT HITCH (rear) - Electrohydraulic Sensing   |   |                      |
| Category 3/3N   | 8,199 lb. (3719 kg)   | 9,193 lb. (4170 kg)  |
| DRAWBAR   |   |                      |
| Cat 2 1400 kg (3085 lb.) - 2450 kg (5400 lb.) Maximum Vertical Load dependent on drawbar position                           | Standard  |                      |
| PTO (POWER TAKE OFF)  |   |                      |
| 1-3/8 in., 540/1000 reversible shaft  | Standard  |                      |
| 1-3/8 in 540/540E/1000 reversible shaft   | Optional  |                      |
| CAPACITIES  |   |                      |
| Fuel Tank, Standard   | 355L (94 US gal.)   |                      |
| Cooling System  | 28.2L (7.4 US gal.)   |                      |
| WHEELBASE   |   |                      |
| 2WD   | 117.51 in. (2985mm)   |                      |
| MFWD / TLS  | 108.9 in. (2765 mm)   |                      |
| AVERAGE STANDARD WEIGHT less front weights  |   |                      |
| 2WD/AQ/front weight support/1PR 450lbs rear weights/Cat3 hitch w/QC/shipping fuel/480/80R46 singles/11.00-20 front          | TBD   |                      |
| MFWD/AQ/ front weight support/1PR 450lbs rear weights/ Front Fenders/ 480/80R46 rear duals/ 420/90R30 front / shipping fuel | TBD   |                      |
| TLS/IVT/Cat3 hitch w/QC/front weight support/Front Fenders/shipping fuel/ 480/80R46 single/ 380/85R34 front                 | TBD   |                      |
| Max Payload Capacity  | 23809 lbs (10800 kg)  | 24912 lbs (11300 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.



## Powerfully versatile.

If you need a machine that can handle tough planting and tillage duties, and can still take on everyday jobs like transport and loader work, here's your tractor.

The three largest 6R Series Tractors, the 6170R, 6190R, and 6210R, each give you the power, the maneuverability, and the versatility you need to take on a huge variety of chores. Need to operate heavy tillage tools? No problem, thanks to the hitch lift capacity of 12,200 pounds (6210R). How about pulling a loaded planter? Easy, with available rear duals and from-the-factory compatibility with the complete GreenStar portfolio of precision guidance, documentation, and applications.







Available on the 6170R, 6190R, and 6210R Tractors, the optional 110- or 118-in axle also allows for group 47 duals, or John Deere exclusive group 48 duals in this horsepower segment.



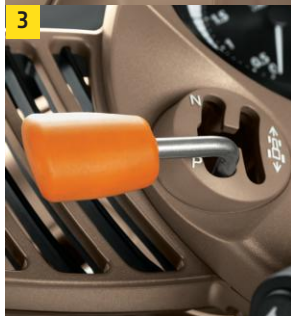
## Productive power from PowerTech.

Power to till... power to mow... power to bale, till, lift or load. No matter what the job, John Deere PowerTech engines give you plenty of muscle.

Get dependable, predictable, fuel-efficient power over a wide RPM range with John Deere PowerTech engines. This latest version of the proven PowerTech engine gives you high-pressure common-rail fuel injection for superior power delivery at low engine speeds, and is compliant with 2013 emissions regulations.\*







**1** This optional single-point hydraulic connection works to connect hydraulic lines quickly and easily for the industry's most versatile tractor/loader package.

**2** Here's where you get the precise loader control you need – the perfectly integrated electronic three-function joystick (optional) is ergonomically designed for your comfort.

**3** It's easy to shift from forward to reverse, thanks to the left hand reverser. Perfect for loader work. Optional shuttle shifting control knob shown.

## 6R Series Specifications 6170R | 6190R | 6210R

|   | 6170R  | 6190R   | 6210R           |
|---|--|---|-----------------|
| POWER * estimated   |  |   |                 |
| Rated PTO power (hp SAE) at rated engine speed (2100 erpm)  | 140 hp (104 kW)  | 157 hp (117 kW)   | 175 hp (131 kW) |
| Rated Engine power hp (hp ISO) at 2100 engine rpm (97/68EC)*                                      | 170 hp (125 kW)  | 190 hp (140 kW)   | 210 hp (154 kW) |
| Max Engine power hp (hp ISO) at 1900 engine rpm (97/68EC)*  | 187 hp (138kW)   | 209 hp (154kW)  | 231 hp (170 kW) |
| Intelligent Power Management  | 30 Additional Engine Horsepower (hp ISO) at 2,100 RPM (rated speed)  |   |                 |
| ENGINE  |  |   |                 |
| Manufacturer  | John Deere PowerTech PVX   | John Deere PowerTech PSX  |                 |
| Aspiration (US EPA Interim Tier4/EU Stage IIIB)   | Single variable geometry turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation      | Dual Series Turbocharger w/fixed geometry first stage-variable geometry second stage - air-to-air aftercooling and cooled exhaust gas recirculation |                 |
| Filter, engine air  | Dual stage with engine cooling fan aspiration  |   |                 |
| Displacement  | 415 cu. in. (6.8L)   |   |                 |
| Fuel Tank Capacity: Standard and Optional   | Std. 360L (95 US gal.) Opt. 405L (107 US gal.)   |   |                 |
| TRANSMISSION  |  |   |                 |
| 16 Speed PowerQuad PLUS™ Transmission 30K (19 mph)  | Optional (Deduct)  |   |                 |
| 20 Speed AutoQuad PLUS™ ECO Transmission 40K (26 mph)   | Standard   |   |                 |
| 20 Speed AutoQuad PLUS™ ECO Transmission 50K  | Optional   |   |                 |
| John Deere Infinitely Variable Transmission (IVT) 0.050-42 km/h (0.030-26 mph)                    | Optional   |   |                 |
| John Deere Infinitely Variable Transmission (IVT) 0.050-50 km/h (0.030- 31 mph)                   | Optional   |   |                 |
| John Deere Direct Drive Transmission (IVT) 0.050-40 km/h (0.030- 26 mph)                          | Optional   |   |                 |
| REAR AXLES AND WHEEL EQUIPMENT  |  |   |                 |
| 100 x 2550 mm diameter (3.94 x 100.4 in.)   | Standard   |   |                 |
| 100 x 2808 mm diameter (3.94 x 110.5 in.)   | Optional   |   |                 |
| 100 x 3012 mm diameter (3.94 x 118.5 in.)   | Optional   |   |                 |
| Rear axle final drives  | Inboard planetary three pinion   |   |                 |
| Rear wheel equipment  | Group 47/48 tires available as singles/duals   |   |                 |
| FRONT AXLES   |  |   |                 |
| 2WD – tread range 60 to 88 in. (1524 to 2235 mm)  | Optional   | NA  |                 |
| MFWD - tread range 60 to 88 in. (1524 to 2235 mm)   | Standard   |   |                 |
| TLS - tread range 60 to 88 in. (1524 to 2235 mm)  | Optional   |   |                 |
| TLS with front brakes, available with 40K, standard with 50K                                      | Optional   |   |                 |
| HYDRAULIC SYSTEM  |  |   |                 |
| Closed-center, pressure/flow compensated  |  |   |                 |
| Selective control valves  | 3-450 Series Mechanical SCVs Standard / 3-4 electrohydraulic SCVs; 2 Mechanical SCVs                         |   |                 |
| Main pump, axial piston (displacement)  | 60cc   |   |                 |
| Maximum pressure  | 2,900 psi (20,000 kPa)   |   |                 |
| Rated flow, 60cc pump   | 41 US gpm/155 lpm  |   |                 |
| Available flow at a single SCV  | 26.4 U.S. gpm/100 lpm  |   |                 |
| Take out oil capacity   | 27 liters (7.1 gal)  |   |                 |
| 3-POINT HITCH (rear) - Electrohydraulic Sensing   |  |   |                 |
| Category 3/3N   | 10,697 lb. (4852 kg)   | 12,213 lb (5540 kg)   |                 |
| DRAWBAR   |  |   |                 |
| Cat 2 1400 kg (3085 lb.) - 2450 kg (5400 lb.) Maximum Vertical Load dependent on drawbar position | Standard   | NA  |                 |
| Cat 3 1600 kg (3525 lb.) - 2800 kg (6170 lb.) Maximum Vertical Load dependent on drawbar position | NA   | Standard  |                 |
| PTO   |  |   |                 |
| 1-3/8 in., 540/1000 reversible shaft  | Standard   | Independent   | Standard        |
| 1-3/4-in., 540/1000 reversible shaft  | NA   |   | Standard        |
| 1-3/8 in 540/540E/1000 reversible shaft   | Optional   |   | Optional        |
| 1-3/4 in., 540/540E/1000 reversible shaft   | NA   |   | Optional        |
| 1-3/8 in 540E/1000/1000E reversible shaft   | Optional   |   | Optional        |
| 1-3/4 in., 540E/1000/1000E reversible shaft   | NA   |   | Optional        |
| PTO Speed @ Engine RPM  | 540/1000 PTO rpm @ 1932 engine rpm, 540E/1000E PTO rpm @ 1775 engine rpm                                     |   |                 |
| WHEELBASE   |  |   |                 |
| 2WD   | 118.9 in (3020 mm); 120.3 in (3055 mm) also available on 6190R   | NA  |                 |
| MFWD / TLS  | 110.2 in. (2800 mm)  |   |                 |
| MFWD / TLS axle clearance under axle differential housing w/ 420/90R30                            | 21.14 in. (537 mm)   | 20.15 in. (512 mm)  |                 |
| MFWD / TLS axle clearance off-center axle w/ 420/90R30  | 23.5 in. (597 mm)  | 23.9 in. (607 mm)   |                 |
| AVERAGE STANDARD WEIGHT (less weights)  |  |   |                 |
| 2WD   | 15,500 lb (7030 kg)  | NA  |                 |
| MFWD / TLS Plus   | 17200 lbs (7801 kg); 37/63 weight split  |   |                 |
| Max Ballast Level   | Maximum recommended ballast is 163 lbs./SAE PTO HP (see operator's manual for specific ballast instructions) |   |                 |
| Max Payload Capacity  | 28660 lb (13000 kg)  |   |                 |

*Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations*

\* 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.



## Comfort *and* visibility

Slimmer corner posts, optional panorama roof and doors, lower rear fenders, and new loaders with internal hydraulic lines... it all adds up to incredible visibility from the seat of the 6R.

But visibility isn't the only story. The 6R Series ComfortView cab gives you 20 percent more space than previous models! The modern, automotive design provides a sleek, user-friendly environment, while standard features like the tilt and telescoping wheel and adjustable air seat let you get just the right position.

### Upgrade for even more comfort

Plan on spending hours on end in the cab? Adaptive Hydraulic Cab Suspension Plus adds even more comfort to the 6R ComfortView cab. The system automatically levels with load changes and braking forces. With three modes – soft, medium and max – you can adjust the suspension level to meet your comfort preference, ensuring a smooth ride in every application.

*Some features described are optional and only available with certain models.*



The larger seat with micro-adjustments for the best fit. New instructor seat features more seat and base area for more comfort.

The optional CommandARM puts vital controls at your fingertips. Throttle, speed, hydraulics, PTO, hitch controls and more move with the seat – and you – for convenient, confident control.





The CommandCenter™ gives you greater control. It's a performance monitor, settings controller, and space-saver all in one. You can use it to adjust nearly every aspect of the tractor to the task-at-hand.



*Stretch out, get comfortable... it's going to be a long day in the field. But there's no reason you should feel like it at the end of the day. With 20 percent more space, added comfort features, and more visibility, the 6R Series Tractors will make the longest days seem shorter.*

*For a virtual tour of the new ComfortView cab, visit [JohnDeere.com/6R](http://JohnDeere.com/6R)*



## Unleash the power

Field-proven reliability, all-conditions performance, and money-saving fuel economy... that's why nearly every piece of John Deere agricultural equipment features the John Deere-designed and built PowerTech engine. So when we say, "Nothing runs like a Deere," we mean it.

What's the secret? Features like high-pressure common rail fuel injection, that give you excellent low-end performance and greater fuel economy. Variable-geometry turbochargers on the 6105R - 6170R models and the Dual Series turbochargers on the 6190R and 6210R models help provide near-instantaneous throttle response. Intelligent Power Management, which adds up to 30 additional horses, right when you need them most. But the most important feature? The 175 years of agricultural experience that go into every component, every system, and every piece of equipment we build.







## 6R PowerTech engines



The PowerTech PVX 4.5L and 6.8L engines utilize a variable geometry turbocharger and high-pressure common-rail injection for fuel efficiency and quick engine response.



### FieldCruise™

Use the CommandCenter to adjust FieldCruise for excellent control of working speeds below full engine load or full throttle position.



## The right gear for the job.

A tractor this versatile demands a transmission to match. That's why every 6R Series Tractor comes standard with the AutoQuad PLUS transmission. You get four power-shiftable gears within each range, plus a de-clutch button for shifting between ranges without using the foot clutch.

For the ultimate in transmission technology, choose the Infinitely Variable Transmission (IVT). Dial in a specific ground speed and the transmission and engine work together to maintain precise speeds in changing conditions. Even the most inexperienced operator can get behind the wheel of an IVT-equipped tractor and work like a pro. A single lever smoothly controls your speed.

Looking for something in between the AutoQuad PLUS and the IVT? Try the new Direct Drive transmission. You select one of three ranges, and the transmission shifts through the eight gears in each range automatically. Or, take control of the Direct Drive by slipping the lever into manual position; you'll be able to shift gears manually just by moving the lever up or back.





### NEW options for higher speeds, greater fuel economy, and easier operation

For all-around versatility, nothing beats the standard AutoQuad PLUS. But if your day includes quite a bit of road or transport time, take a look at the 31 mph (50 km/h) option, available with both the AutoQuad PLUS and IVT transmissions. You'll fly from field to field with an extra 6 mph (10 km/h) of top speed (50 km/h option requires installation of TLS front axle with brakes).

If you like the convenience of the IVT and the efficiency of an all-mechanical transmission, take a look at the new DirectDrive transmission (pictured below). You select one of three ranges, and the transmission automatically shifts through each of the eight gears in the range. Or, move the shift lever into Manual mode and you can change gears just by pushing the lever up or down.



#### Save fuel with ECO shift

Available on the AutoQuad PLUS transmission, ECO shift improves efficiency by allowing a top speed of 40 km/h (25 mph) at reduced engine rpm.

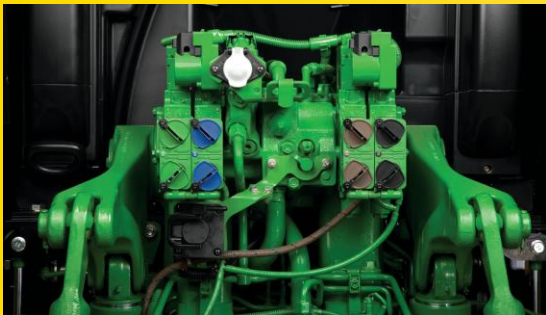


## High capacity for heavy-duty jobs

Whether you're lifting heavy implements, loading gravel, or running a hydraulic motor... take on the toughest jobs, thanks to the hydraulics found on the 6R Series.

The pressure-and-flow compensated system offers up to 41 gpm of hydraulic flow (6170R, 6190R, 6210R), and is designed to conserve energy when not in demand. You'll get superior implement performance, lightning-fast loader cycle times, and quick, positive steering response.

The 6R Series Tractors come with three mechanical selective control valves (SCVs); up to four electronic SCVs can be ordered as optional equipment.







## Productivity gets a lift

With an available 3-point hitch lift capacity of up to 12,213 pounds (6210R only), the 6R Series brings the muscle you need for heavy-duty implements. Our 3-point hitches also feature electronic load sensing for varied load conditions and hitch dampening for improved ride stability.

### Built-in versatility

An independent, dual-speed PTO is standard equipment on all 6R tractors. A power-assisted three-speed shiftable PTO is also available to enhance efficiency and boost performance. Choose from 540/540E/1000 rpm or 540E/1000/1000E rpm. The economy mode lets you reduce engine rpm while maintaining rated PTO speed, reducing fuel consumption.

Engagement on all PTO options is smooth and simple with the touch of a button. The PTO uses a wet multi-disc clutch that's oil-cooled for improved service life, especially in demanding applications. The PTO is fully independent, so you can slow or stop the tractor without disrupting power to your implements.





## Precision made easy

John Deere Ag Management Solutions (AMS) provides guidance and documentation solutions to help you reduce input costs and increase efficiency. With the GreenStar family of products, Apex™ desktop software, and unsurpassed customer support, John Deere offers a precision portfolio unlike any other in the market. The 6R Series Tractors can fully utilize all AMS hardware and software applications for documentation, automated functions, and equipment management. Factory installation of the GreenStar-Ready wiring harness and AutoTrac-Ready components are available to make the step into our technology solutions simple. No matter where, how, or when you use GreenStar precision, the premise behind the technology is simple: products to help you outpace challenges so you can add more to your bottom line. The GreenStar 3 display, with a StarFire™ receiver, can be combined for manual guidance. You can activate AutoTrac™ and Swath Control Pro™ when ordering your tractor or through AMS after delivery. The optional touch-screen GS3 CommandCenter display is video capable with the purchase of a camera through John Deere Parts.





John Deere designed the all-new H Series Loaders to integrate perfectly with the 6R Tractors. Loaders are compatible with 2WD, TLS, or MFWD configurations of each 6R model. Order the panorama roof (see page 25) for exceptional visibility.



If your day involves a lot of repetitive loader work like loading trucks, moving pallets, or stacking bales, you'll love the new "Return-To-Position" option available for 6R tractors with H340, H360, or H380 loaders. With the ability to set 2 boom and 2 bucket positions, your fork, bucket, or spear will return to the same position, every time. Also reap the rewards of the "Electronic Self Leveling" option that will convert a NSL loader into a self leveling loader for superior visibility or install it on a MSL loader for improved leveling accuracy while maintaining unmatched capacity.

## Putting the H in heavy-duty

*Introducing the H Series Loaders – built to load, built to last.*

Designed for extreme heavy-duty use, The H340, H360 and H380 Loaders give you more visibility, easier operation, and faster cycle times than previous models. The H310 is also compatible with the small chassis 6R.

The low torque tube position and concealed hydraulic components improve visibility. Additionally, the redesigned attachment carrier allows for better visibility making it easier to switch attachments. Order the panorama roof, and you'll get a clear view when lifting bales or other loads. And with a wide range of John Deere and Frontier attachments, you can quickly go from moving bales to loading the feed mixer to clearing debris.

Want to park the loader? Don't sweat it. Parking stands are integrated – no loose parts, no tools required. Convenient single-point hydraulic connections save time while eliminating connection error with virtually no oil loss. Plus, electrical connections are integrated in the single-point connection.





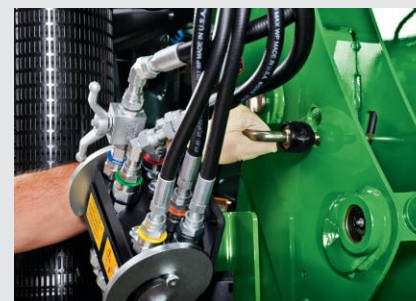
# The Ultimate Hired Hand

## H Series Loaders

John Deere Loaders have always been known for their durability and seamless integration with John Deere Tractors.

To answer operator requests and to meet the challenges of evolving tractors, John Deere introduces the all-new H Series Loaders. These loaders bring all the strength of previous John Deere Loaders and combine that legacy with more visibility, added ease of use, and faster cycle times. "Will-fit" loaders just can't match the co-engineered advantage of a green loader on a green tractor.

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



Convenient single-point hydraulic connections save time while eliminating connection error with virtually no oil loss. Plus, electrical connections are integrated in the single-point connection.





**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 and give the loader a more attractive appearance.

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



**Cast steel components** add strength and durability.

**Order the optional panorama roof** for exceptional visibility to the end of the loader.



## H Series Loader and Tractor Compatibility

| Model # | Model Replaced | Tractor Compatibility               | Leveling Options |
|---------|----------------|-------------------------------------|------------------|
| H260    | 563            | 5083E-5101E   5M   6D               | NSL or MSL       |
| H310    | --             | 5M   6D   6105M-6125M   6105R-6125R | NSL or MSL       |
| H340    | 673            | 6105M-6150M   6105R-6150R           | NSL or MSL       |
| H360    | 740            | 6140M-6170M   6140R-6210R           | NSL or MSL       |
| H380    | 741            | 6170M   6170R-6210R                 | MSL              |
| H480    | 746   843      | 7R   8R                             | MSL              |



# John Deere and Frontier Equipment: The Perfect Fit

Stacking bales, moving pallets, cleaning pens, hauling brush... the 6R Series Tractors can get the job done. But to do the job right, you need the right attachments. That's where John Deere and Frontier Equipment can help.

With a complete line of tools covering a wide array of jobs, Frontier Equipment is your first and last stop for front- or rear-mounted implements and attachments.

Stop by your John Deere dealer, or visit us online to find out more about our complete line of attachments from John Deere and Frontier Equipment, including:

*Box blades  
Overseeders  
Rotary rakes  
Soil pulverizers  
Manure spreaders  
Disk mowers  
Core aerators  
Offset disks  
Wood chippers  
Bale huggers  
Bale spears  
Land planes*

*Rotary tillers  
Disk harrows  
Sickle mowers  
Posthole diggers  
Wheel rakes  
Rear blades  
Grooming mowers  
Teddars  
Snowblowers  
Arena rakes  
Food plot seeders*





1



2



1. Handle large round bales more efficiently with a 6 Family Tractor and a Frontier Bale Carrier. 6 Family Tractor and BC1104 Bale Carrier shown.

2. Make cleanup easy with a 6105R Tractor and a Frontier Equipment LP1196 Land Plane.

3



4



3. Move, stack and transport round bales easily with a wide selection of front and rear, single and double bale spears from Frontier.

4. Unload and load supplies with a selection of Frontier pallet forks.





## Time tested, farmer approved

Producers around the world trust us to help them succeed, making John Deere the premier name in agricultural equipment. They know they can trust and rely on our world-class products, service, and support.

When you invest in a John Deere, you get more than the latest tractor technology. You get the unmatched support of your John Deere dealer. Whether you need routine service and parts, in-field repair... or just some friendly advice, John Deere and your local dealer are committed to your success. Your success is our success... and it's been that way for 175 years.

### John Deere PowerGard™ Protection Plan

**All John Deere tractors come with a 24 total month/2,000 total hour factory basic limited warranty.\*\*** For greater control over the unexpected, it pays to check out our PowerGard Protection Plans. A broad range of plans are available to match your usage, trade cycles, and budget. See your dealer for pricing and details, or go online to [www.powergard.com](http://www.powergard.com).

\*\*Warranty coverage includes both parts and labor when your dealer installs the component on your machine, otherwise the coverage is for parts only. See your dealer or [www.deere.com](http://www.deere.com) for details. Hour and/or usage limitations apply and vary by model. See the WARRANTY FOR NEW JOHN DEERE TURF AND UTILITY EQUIPMENT at dealer for details.



Not enough time in your day?

 **Add more.**

Optional Xenon lighting technology provides extreme, daylight color output for excellent field definition. Packages are available to match your application ensuring around-the-clock productivity. Plus, Xenon bulbs have no filament, which increases bulb life by as much as 10 times versus filament-style halogen bulbs.



 **Add more comfort, convenience, security, productivity ...**

Set your tractor up just the way you want by adding quality John Deere attachments and accessories. Plus, when it comes time to trade or sell, your investment will be worth more. This is just a sampling of the attachments available for the 6R Series Tractors. See your John Deere dealer for all your parts and attachments needs.



#### Door Locks

The door lock kit features a new handle and high-security dedicated cab door key that is different from the standard ignition key.



#### Seat Swivel Device

Seats with swivel bases enable easy access to and from the cab. Adjustable swivel adapters allow you to turn 180° for easy access in and out of the seat and for easier control of rear implements.



#### Tool Box

This lockable tool box with a convenient carrying handle holds tools and a selection of linkage balls, hitch and lynch pins for implement attachment.



#### Electrical cooling compartment

No matter how long you're in the field, this refrigerator – with a 5 liter capacity – will keep your food and drinks cool. There is an on-off switch, but the fridge runs only if the tractor is on.



#### Lockable fuel cap

Protect yourself against vandalism or fuel theft. Fuel caps are designed to fit on current and previous tractor models.



#### Electric telescopic mirrors

Large external mirrors give better view of rear implements. Electric control allows easy in-cab adjustment, while electric heating element keeps mirror free of ice and snow.



#### FieldOffice™

The FieldOffice provides a place for everything, all within your reach and it's removable so you can take valuable contents with you when you go.



#### Beacon Lights

Being visible to others on the road is important. John Deere beacon light kits bring on-road visibility to a whole new level. For your convenience, a cab-mounted rocker switch turns the light on and off.





They rely on you. You can rely on us.

We understand your business and how your customers rely on you. That's why your application fleet needs to be ready when they are. At John Deere Financial we make it convenient for you to buy the best equipment in the business, outfitted with the best technology, backed by dependable service and support that only John Deere can provide. Rely on us now and in the future to help finance your business growth.



\*Subject to John Deere Financial approval and dealer participation. Minimum finance amount may be required. See dealer for details. Programs subject to change, without notice, at any time.

U.S.A. [www.JohnDeereFinancial.com](http://www.JohnDeereFinancial.com)  
Canada [www.JohnDeereFinancial.ca](http://www.JohnDeereFinancial.ca)



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