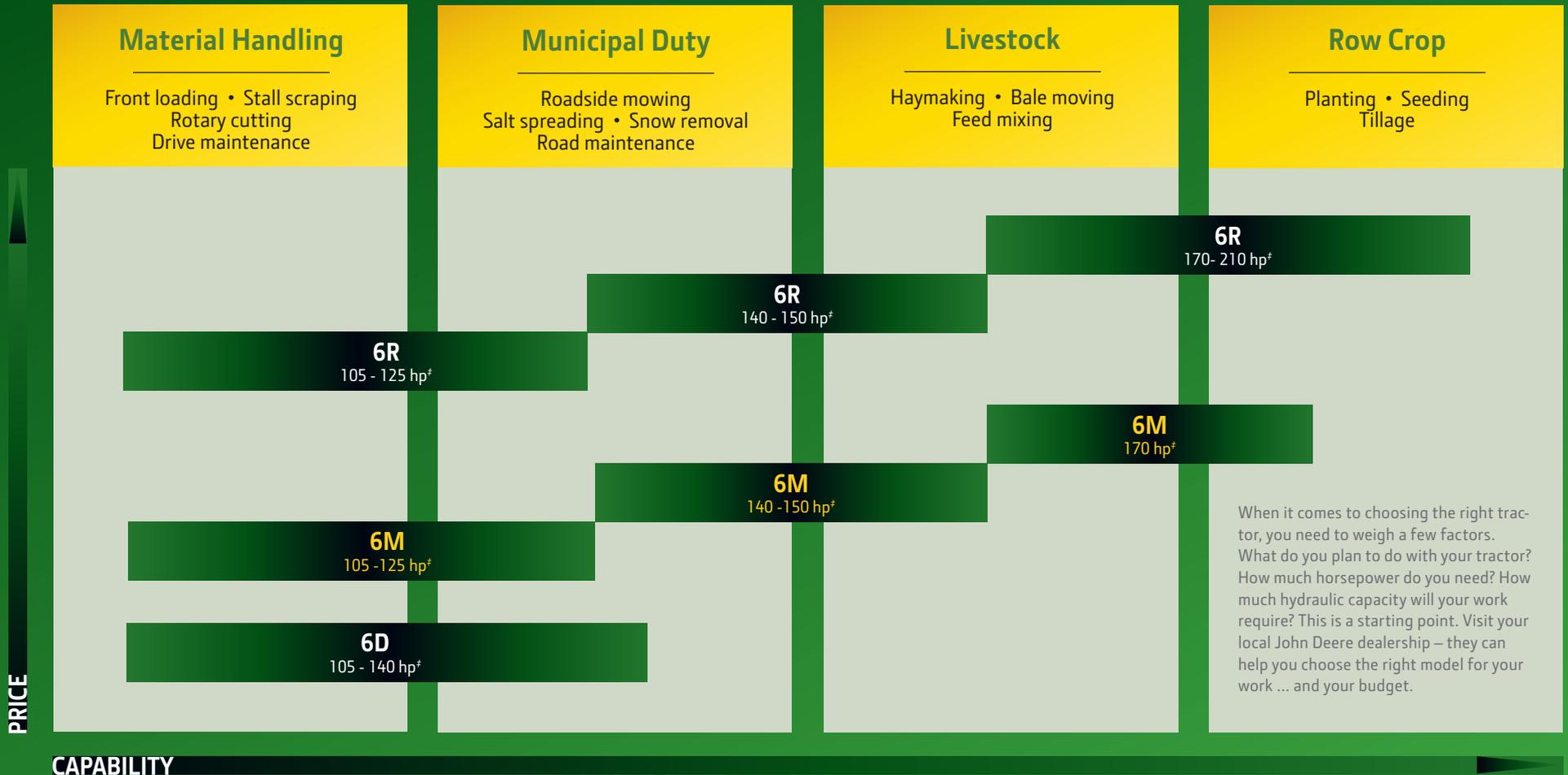


# 6M Series Tractors

105–170 Engine Horsepower Tractors



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



| Tractor Model | Engine hp <sup>†</sup> | PTO hp <sup>†</sup> | 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 <sup>†</sup> | PTO hp <sup>†</sup> | Hydraulic Flow gpm |
|---------------|------------------------|---------------------|--------------------|
| 6105M         | 105                    | 86                  | 21.1 (30.0 opt)    |
| 6115M         | 115                    | 95                  | 21.1 (30.0 opt)    |
| 6125M         | 125                    | 102                 | 21.1 (30.0 opt)    |
| 6140M         | 140                    | 114                 | 21.1 (30.0 opt)    |
| 6150M         | 150                    | 123                 | 30.0               |
| 6170M         | 170                    | 142                 | 30.0               |

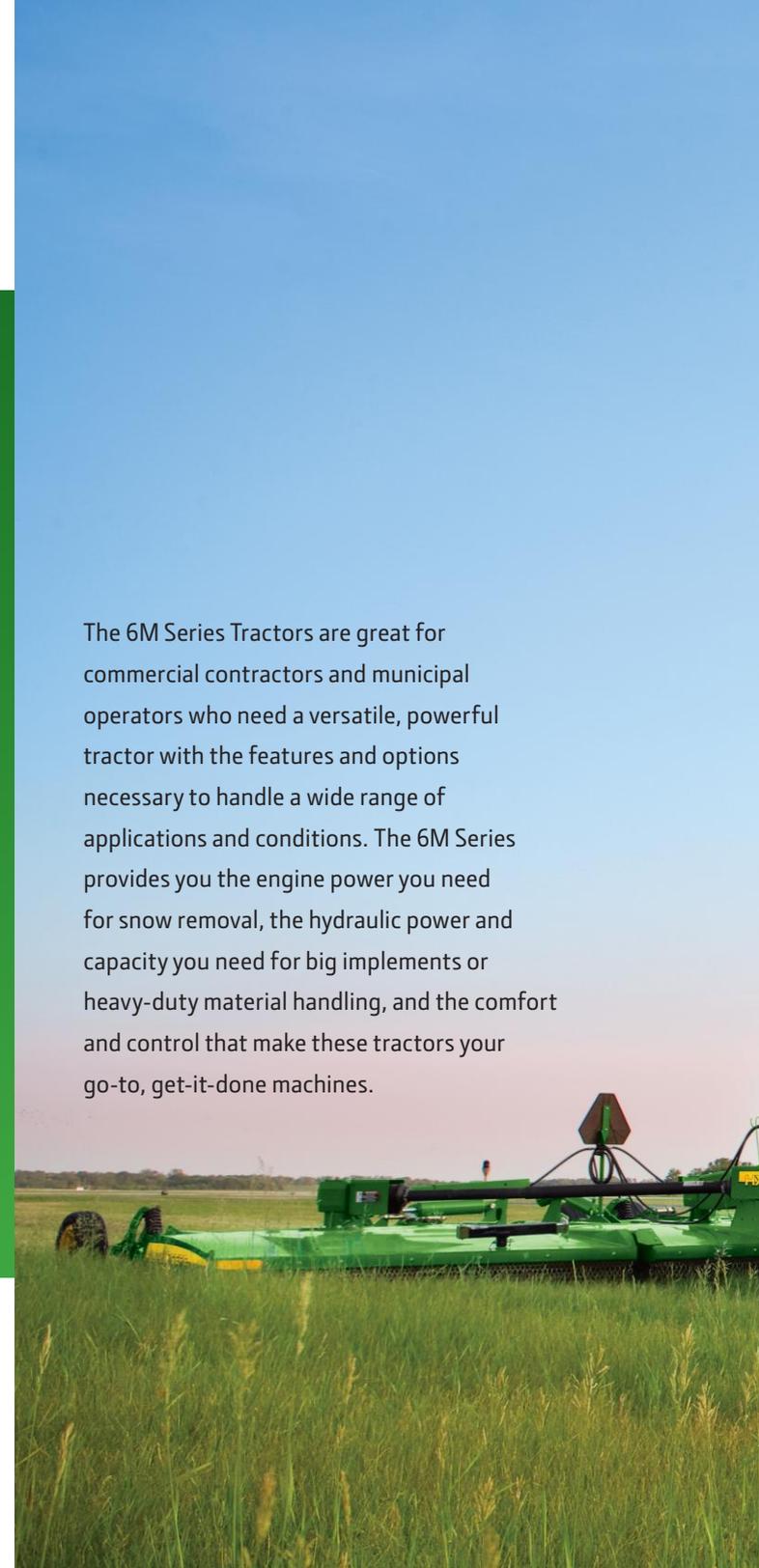
| Tractor Model | Engine hp <sup>†</sup> | PTO hp <sup>†</sup> | Hydraulic Flow gpm |
|---------------|------------------------|---------------------|--------------------|
| 6105R         | 105                    | 86                  | 30                 |
| 6115R         | 115                    | 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.  
<sup>†</sup>Manufacturer's estimate of power (ISO) per 97/68/EC.  
<sup>‡</sup>PTO horsepower will vary based on tractor configuration.  
 Power output is within + or - 5% at standard SAE J 1995 and ISO3046.

# The John Deere 6M Series 105- to 170-HP Tractors The “M?” That’s for “Muscle.”

The muscle to lift heavy loads and rear implements ... the power to pull through harsh conditions ... the range of configurations necessary to meet the needs of agricultural producers as well as commercial and municipal customers. Get it all and more with the John Deere 6M Series tractors. Available in 105- to 170-hp models, the 6M Series gives you the engine and hydraulic power you need, in a mid-spec package. So if you have tough tasks, hit them head-on with John Deere muscle ... ask your John Deere dealer about the capable, ready to work 6M Series Tractors.

The 6M Series Tractors are great for commercial contractors and municipal operators who need a versatile, powerful tractor with the features and options necessary to handle a wide range of applications and conditions. The 6M Series provides you the engine power you need for snow removal, the hydraulic power and capacity you need for big implements or heavy-duty material handling, and the comfort and control that make these tractors your go-to, get-it-done machines.





**6170M**

**6150M**

**6140M**

**6125M**

**6115M**

**6105M**



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| Tractor Model | Engine hp <sup>‡</sup> | PTO hp |
|---------------|------------------------|--------|
| 6105M         | 105                    | 86     |
| 6115M         | 115                    | 95     |
| 6125M         | 125                    | 102    |
| 6140M         | 140                    | 114    |
| 6150M         | 150                    | 123    |
| 6170M         | 170                    | 142    |

<sup>‡</sup>97/68/EC power refers to average (50% MOE) net brake power measured and corrected for ambient conditions according to the EC emissions directive. Power output is within + or - 5% at standard SAE J 1995 and ISO3046.

# 6 models: 105- to 170-hp

## Power, agility, and your choice of great features.

The 6M Series Tractors put you in charge with a wide choice of options and power sizes—from the value priced 6105M open station tractor, to the 6170M with standard deluxe cab and high performance hydraulics. All 6M Tractors feature a full frame design, in three chassis sizes. The steel frame provides structural strength, helping reduce strain on the engine, and other components. Choose from a wide range of options to get the performance and price right for your tasks, your operation.



It's all about versatility. The 6M is at home in the field or taking on Mother Nature.



## 6M SERIES HORSEPOWER MIGRATION

MODEL → **6170M**  
170 engine hp

**7330** → **6150M**  
155 engine hp\* → 150 engine hp

**7230** → **6140M**  
135 engine hp\* → 140 engine hp

**7130** → **6125M**  
125 engine hp\* → 125 engine hp

**6430** → **6115M**  
120 engine hp\* → 115 engine hp

**6330** → **6105M**  
105 engine hp\* → 105 engine hp

\*Manufacturer's estimate of power (ISO) per 97/68/ED. Power output is within + or - 5% at standard SAE J 1995 and ISO3046.

## A cab designed with an operator's point-of-view.

Take a seat and you are in command.

There's great visibility in all directions. Your feet have room to move on the flat and uncluttered floor. The controls are color coded and at your fingertips. The power you'll feel, but hardly hear, thanks to the amazingly quiet cab. And when it's time to leave this comfortable office on wheels, you can exit either right or left.



When it's hot and dusty you'll ride in clean, quiet comfort with a John Deere cab, available on all six models, standard on the 6170M.



The digital dashboard gives you easy visibility to critical tractor functions. And a quick glance at the dash tells if the differential lock, mechanical front wheel drive (MFWD), and PTO are engaged.

**6M TRACTORS ARE BASED ON THREE FRAME SIZES AND WHEELBASES:**

|                        |          |           |
|------------------------|----------|-----------|
| 6105M, 6115M and 6125M | 2,580 mm | 101.6 in. |
| 6140M and 6150M        | 2,765 mm | 108.9 in. |
| 6170M                  | 2,800 mm | 110.3 in. |

**6M Series - CAB | Open Operator Station**

**Get improved loader visibility** with the optional roof hatch, giving you a better view of the raised loader. Jobs like stacking bales or retrieving pallets suddenly become a whole lot easier. See page 14 for a better look.

**Automate your headlands.** On 6M Tractors with cabs, iTEC (Integrated Complete Equipment Control) is an option. It helps reduce operator fatigue by simplifying headland turns in tillage and row-crop applications. Program iTEC so the push of a button controls raising and lowering the 3-point hitch, and starting or stopping the PTO, MFWD, and/or the differential lock in the correct sequence.

**The open operator station doesn't take a back seat in comfort or control.** There's easy access, a flat floor, and an adjustable seat with arm rests. On the dash, you'll find a long list of monitored functions: engine rpm and coolant temp, fuel consumption, rear PTO speed, hour meter, and performance monitor. Plus, lights inform the operator when the MFWD, differential lock, and PTO are engaged.

**Get into tight places with the foldable two-point ROPS** (Roll Over Protective Structure). When up it provides tractor rollover protection. Fold down for access into low buildings and other low-clearance situations.

The 6105M through 6150M models come in both cab and open-station configurations. The 6170M is available in cab only.



6M Series Tractors come from the factory GreenStar-ready for fast, easy installation of precision farming components.

Optional horizontal exhaust helps you get under low clearance areas.

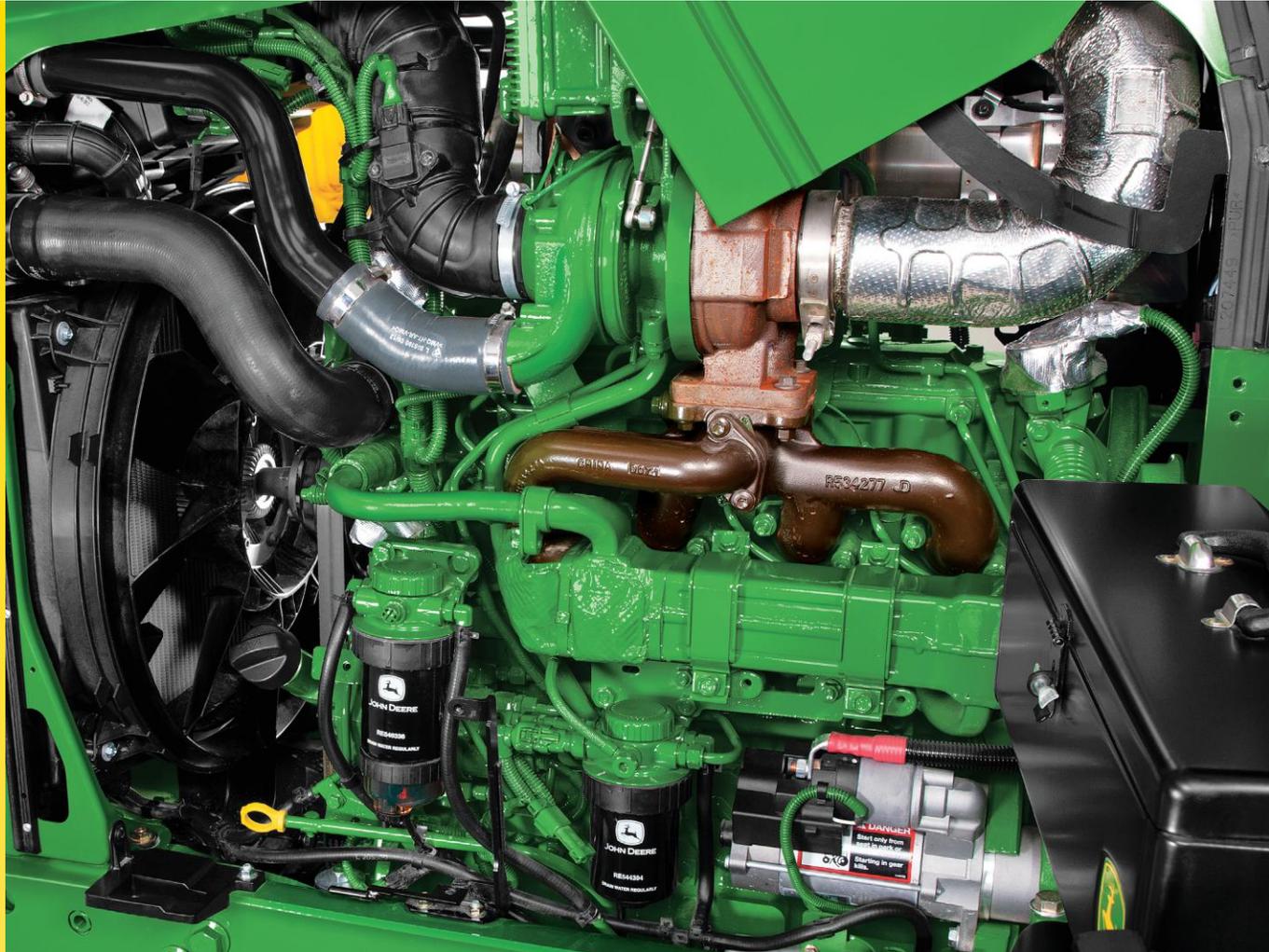


## Responsive power when you need it.

It's not easy to predict when you need extra engine power. That's why the ECU (engine control unit) on 6M Tractors can sense engine speed and load changes 100 times per second.

Before you even realize you've hit a tough spot, the engine is responding to power you through. In fact both the 4.5 and 6.8 liter PowerTech™ engines provide you a power bulge. That means when power demands increase, the horsepower automatically increases too. You benefit from fewer downshifts, more performance in the field, and reduced operator stress. Even with all this impressive power response, John Deere PowerTech engines are still stingy on fuel, delivering some of the best fuel economy in their class\*. Give credit to that same ECU. It makes sure the engine is getting maximum power from the diesel it burns.

\*Based on Nebraska Tractor test data.



**The PowerTech PVX engines are loaded with features that squeeze more performance out of your fuel dollar.** The engines are turbo charged and inner cooled. That packs more air into each cylinder charge for more complete combustion. The electronically controlled, high-pressure fuel pump instantly reacts to engine speed and power demands. This helps reduce fuel consumption at all engine rpms. The viscous fan drive also helps save fuel. It reacts to engine cooling needs, reducing engine drag when cooling demands are low.



On all John Deere 6M Tractors you benefit from of a full-frame design. The engine, transmission and other components are supported by the steel frame, which resists the stresses of loader and hitch work. The full frame not only helps protect the engine and transmission, it makes access to components easier for faster routine maintenance and service.

| PowerTech PVX      | PowerTech PVX      |
|--------------------|--------------------|
| 4.5 Liter          | 6.8 Liter          |
| 6M<br>105 -140 hp* | 6M<br>150 -170 hp* |

\*Power output is within + or - 5% at standard SAE J 1995 and ISO3046.

| TRANSMISSION CHOICES FOR 6M CAB TRACTORS: |                  |       |       |       |       |       |       |
|---|------------------|-------|-------|-------|-------|-------|-------|
| TRANSMISSION                              | SPEED            | 6105M | 6115M | 6125M | 6140M | 6150M | 6170M |
| PowrQuad PLUS                             | 30 km/h (19 mph) | 16/16 | 16/16 | 16/16 | 16/16 | 16/16 | 16/16 |
| PowrQuad PLUS                             | 40 km/h (25 mph) | 24/24 | 24/24 | 24/24 | 24/24 | 20/20 | 20/20 |
| AutoQuad PLUS                             | 40 km/h (25 mph) | 24/24 | 24/24 | 24/24 | 24/24 | 20/20 | 20/20 |

## Your pick: economy to high spec, high speed.

With a 6M Tractor, you automatically get great engine power. Now choose the transmission right for your operation.

The PowrQuad™ transmission delivers four, clutch-free power shifts in each range. Pick a range right for your task, then just push a lever to shift up or down. All PowrQuad transmissions include a left-hand reverser. Just flick a lever to change directions—great for loader work.

The AutoQuad™ PLUS transmission kicks the performance up a few notches. With AutoQuad you can program the transmission to automatically shift up or down within a range. If the going gets tough, the transmission senses that and downshifts. When the load decreases, AutoQuad up shifts automatically. AutoQuad delivers more performance and reduces operator stress. Need to go fast to cut transport times, choose the 25 mph (40 km/h) PowrQuad, PowrQuad PLUS or AutoQuad PLUS Transmission. Need slower speeds? Go with a creeper option and get speeds as low as .09 mph\*.



| TRANSMISSION CHOICES FOR 6M SERIES OPEN OPERATOR STATION TRACTORS |                  |       |       |       |       |                |
|---|------------------|-------|-------|-------|-------|----------------|
| TRANSMISSION  | SPEED            | 6105M | 6115M | 6125M | 6140M | 6150M          |
| PowrQuad  | 30 km/h (19 mph) | 16/16 | 16/16 | 16/16 | 16/16 | Not applicable |
| PowrQuad  | 40 km/h (25 mph) | 24/24 | 24/24 | 24/24 | 24/24 | 20/20          |

\*PowrQuad™, PowrQuad™ PLUS and AutoQuad™ PLUS Transmissions for 40 km/h (24/24)



The transmissions on 6M Tractors are great for loader work. All cab tractor transmissions feature reversers. On the open operator station models, the PowrQuad transmission features a reverser. Just flip a lever on the left side of the steering wheel and you change directions. The transmission features oil-cooled clutches for longer life, and smooth direction changes.



Transmissions that shift the way you work. With a number of transmission options, you can find the right gear for the job. Plus, with the self adjusting and oiled cooled John Deere PermaClutch2™, you'll have better clutch performance and longer life.

## More lift. Faster cycles.

Choose the hydraulic performance right for your tasks, your operation.

The 6M Tractors provide you several options for hydraulic performance. The 6105M through 6140M models come standard with an open center, pressure-compensated hydraulic system. This economical system delivers responsive steering, great hydraulic flow, and fast cycle times.

You can step up the hydraulic performance with the optional closed-center, pressure-and-flow compensating hydraulic system. This system is load sensing. A valve on the pump immediately initiates flow when required, speeding hydraulic response. When the flow is no longer needed, the pump returns to low-pressure, no-flow standby mode. This improves fuel efficiency, enhances oil cooling. This system is standard on 6150M and 6170M Tractors and is optional on the 6105M-6140M.





All 6M Tractors feature a responsive, dual-cylinder, rear 3-point hitch. Optional electronic lower link draft sensing provides more sensitive hitch response in tillage applications. Plus it provides automatic hitch dampening, smoothing out the ride when transporting heavy 3-point attachments. A fender mounted remote switch (photo, left) speeds 3-point hookup.

## Feel the power when you engage the PTO or Brakes

Get turning! Get stopping! Get reliable performance that's oil cooled.

What makes the brakes and clutches on the 6M Tractors so trouble free? The answer is oil cooling. Compared to dry clutches and brakes, oil-cooled, "wet" clutches and brakes work better, last longer, and are self-adjusting. The PTO clutch features electrohydraulic modulation, ensuring smooth engagement. Simply engage the switch, and the PTO glides into action. There's less stress on the engine and drivetrain. Disengage the PTO and a hydraulically controlled PTO brake takes over to reduce implement shaft rotation. On all models, the 540/1000 rpm PTO comes standard. And switching between 540 and 1000 PTO speeds is simple. Just remove the PTO stub shaft and reverse its position.





You've got great braking power across the 6M Tractor line. Brakes on all models are self-adjusting and self-equalizing, dramatically reducing maintenance. These brakes are immersed in cooled and filtered oil that dissipates heat. Brakes perform better in all kinds of conditions, and last much longer than conventional "dry" brakes.

The 6140M, 6150M, and 6170M models all come standard with PowerFill™ Brakes. The PowerFill system uses hydraulic pressure so less pedal force is required for high-performance braking—important if you are transporting heavy loads at high speeds. PowerFill brakes are also available as an option on other 6M Cab Tractors.

# Putting the H in heavy-duty

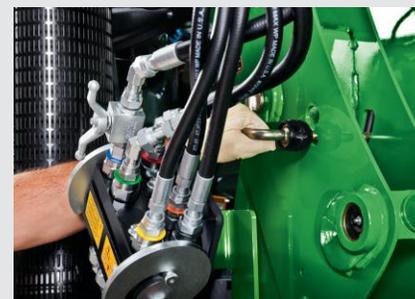
## *Introducing the H Series Loaders –built to load, built to last.*

Designed for extreme heavy-duty use, The H310, H340, H360 and H380 Loaders provide you more visibility, easier operation, and faster cycle times than previous models.

The low torque tube position and concealed hydraulic components improve visibility. And the redesigned attachment carrier allows for better visibility making it easier to switch attachments. Order the glass roof hatch, and you'll get a clear view when lifting loads. 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 over traditional connections and eliminate connection errors...with almost no oil loss. Plus, electrical connections for options such as the remote carrier latching system are integrated in the single-point connection.

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.

# The Ultimate Hired Hand

**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.

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



## H Series Loaders

John Deere Loaders are 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 developed the 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 can’t match the advantage of a green loader on a green tractor.

| H Series Loader and Tractor Compatibility |                |                                     |                  |
|---|----------------|-------------------------------------|------------------|
| Model #                                   | Model Replaced | Tractor Compatibility               | Leveling Options |
| H310                                      | --             | 6D   5M   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              |

**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.



# John Deere and Frontier Equipment: The Perfect Fit

Stacking bales, moving pallets, cleaning pens, hauling brush ... the 6M Series Tractors can get the job done. But to do the job right, you need the right attachments and implements. 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 implements 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*

*Tedders*

*Snowblowers*

*Arena rakes*

*Food plot seeders*



1



2



1. Handle large round bales efficiently with a Frontier Equipment Bale Carrier. BC1104 Bale Carrier shown.

2. Make cleanup easy with a Frontier LP196 Land Plane.

3



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

4



4. Cut cleaner, faster, better, with the complete line of mowers and cutters from Frontier Equipment. Frontier Grooming Mower shown.

# + 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 tractor could be worth more. This is just a sampling of the attachments available for the 6M Series Tractors. See your John Deere dealer for all your parts and attachments needs.

\*See the LIMITED WARRANTY FOR NEW JOHN DEERE PARTS for details.



### 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.



### Windshield washer & wiper kits

Keep the job at hand in clear sight with John Deere washer and wiper kits. They help keep the cab glass clean and clear in dusty and wet conditions.



### Instructional Seat

Retractable seat belt bolts securely to the cab. Seat features rear netting for additional cab storage.



### Lockable fuel cap

Protect your tractor from vandalism and fuel theft with our lockable fuel cap. Designed to fit on current and previous tractor models.



### 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.



### Multi-power outlet strips

Operate up to six 12-volt accessories simultaneously! Electrical outlets give either "always on" or "ignition-key" controlled power to your crucial accessories. Up to 30 amps of total output.



### Front fenders

Made from durable rubber, these fenders will outlast the harshest conditions to protect and keep your tractor clean. The John Deere logo adds the right amount of style.

### Engine coolant heater kit

Get faster, smoother, easier starts during cold winter months, which translates into saved time, money and less engine wear (4 & 6 cylinder).



### Hood guards

Protect your investment and your pocket book from potentially costly repairs by installing a John Deere hood guard. Built to withstand tough daily chores, the hood guard provides protection from tough conditions and potential operational mishaps.



### AM/FM CD radio

Stay current on crop prices or enjoy your favorite CD or radio show with powerful frequency reception. These high-quality radios are built tough to handle the grit and grime of life in the field.



### Toolboxes

Maximize uptime and ensure that you're equipped with all the tools you'll need in the field. These heavy-duty, metal and plastic toolboxes stand up to the toughest conditions and can be mounted in several convenient locations on your tractor.



## 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).

## Time tested, farmer approved

Producers around the world trust us to help them succeed, making John Deere the biggest 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 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.

\*\*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.  
‡PowerGard Protection Plan extended warranty covers failures due to defective materials or original workmanship of covered components. Customers have a choice between either the Limited (engine & powertrain) coverage form or the Comprehensive (full-machine) coverage form. See your dealer or [www.deere.ca](http://www.deere.ca) for details.

6M Service, Support and John Deere GreenStar



## The system that grows with you.

Choose the 6M Series, and choose from a broad range of GreenStar precision and location-based applications designed to meet the needs of a growing operation.

**Grow into precision farming with the 6M Series Tractors** and available GreenStar guidance, documentation, monitoring and ISOBUS capabilities. Your choice starts with the GreenStar display. Choose the GS3 2630 Display and you get immediate access to basic documentation, on-screen mapping, manual guidance, and section control for select John Deere Implements. With the 2630 Display, you'll also get touch-screen access to advanced documentation and performance monitoring, plus advanced implement and tractor guidance.

6M Series Specifications **6105M | 6115M | 6125M | 6140M | 6150M | 6170M**

|  | 6105M   | 6115M                | 6125M                | 6140M                | 6150M                | 6170M                |
|--|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>POWER * estimated</b>   |   |                      |                      |                      |                      |                      |
| Rated PTO power (hp SAE) at rated engine speed (2100 erpm)               | 86 hp (64 kW)   | 95 hp (71 kW)        | 102 hp (76 kW)       | 114 hp (85 kW)       | 123 hp (91 kW)       | 142 hp (106 kW)      |
| Rated Engine power hp (hp ISO) at 2100 engine rpm (97/68EC)*             | 105 hp (78 kW)  | 115 hp (85 kW)       | 125 hp (93 kW)       | 140 hp (104 kW)      | 150 hp (111 kW)      | 170 hp (126 kW)      |
| Max Engine power hp (hp ISO) at 1900 engine rpm (97/68EC)*               | 109 hp (81 kW)  | 119 hp (89kW)        | 130 hp (97 kW)       | 145 hp (108 kW)      | 156 hp (116 kW)      | 173 hp (129 kW)      |
| Engine Peak Torque (Nm) (xx% @ 1600rpm)                                  | 474 N-m (349 lb.-ft)  | 519 N-m (382 lb.-ft) | 564 N-m (415 lb.-ft) | 632 N-m (466 lb.-ft) | 677 N-m (499 lb.-ft) | 768 N-m (566 lb.-ft) |
| Constant Power Range (rpm)   | 1,600 - 2,100 rpm   |                      |                      |                      |                      |                      |
| <b>ENGINE</b>  |   |                      |                      |                      |                      |                      |
| Manufacturer (US EPA Interim Tier4/EU Stage IIb)                         | John Deere Power Systems  |                      |                      |                      |                      |                      |
| Rated Speed  | 2,100 rpm   |                      |                      |                      |                      |                      |
| Type   | PowerTech PVX engines with single fluid operation   |                      |                      |                      |                      |                      |
| Aspiration (US EPA Interim Tier4/EU Stage IIb)                           | Variable Geometry Turbocharger with Intercooler and Cooled Exhaust Gas                          |                      |                      |                      |                      |                      |
| Filter, engine air   | PowerCore G2 Air Filter with Pre-cleaning   |                      |                      |                      |                      |                      |
| Cylinders/Displacement   | 4 / 4.5 L   | 4 / 4.5 L            | 4 / 4.5 L            | 4 / 4.5 L            | 6 / 6.8 L            | 6 / 6.8 L            |
| Bore and stroke  | 4.19 in. (106.5 mm) x 5.00 in. (127 mm)   |                      |                      |                      |                      |                      |
| Compression ratio  | 16.1:1  | 16.1:1               | 16.1:1               | 16.1:1               | 16.5:1               | 16.5:1               |
| Lubrication  | Full-pressure, full-flow filtration with bypass   |                      |                      |                      |                      |                      |
| Filter, oil  | PowerCore G2 Air Filter with Pre-cleaning   |                      |                      |                      |                      |                      |
| <b>FUEL SYSTEM (type)</b>  |   |                      |                      |                      |                      |                      |
| Filter system  | High Pressure Common Rail System with up to 2000 bar Injection Pressure                         |                      |                      |                      |                      |                      |
| Filter, primary  | Two Stage with water separator and service indicator light                                      |                      |                      |                      |                      |                      |
| Filter, secondary  | 10 micron replaceable cartridge w/water indication sensor and drain<br>2 micron spin-on element |                      |                      |                      |                      |                      |
| <b>TRANSMISSIONS</b>   |   |                      |                      |                      |                      |                      |
| 16 Speed PowrQuad Transmission 30K (OOS Only)                            | x   | x                    | x                    | x                    | x                    | N/A                  |
| 20 Speed PowrQuad Transmission 40K (OOS Only)                            | N/A   | N/A                  | N/A                  | N/A                  | x                    | N/A                  |
| 24 Speed PowrQuad Transmission 40K (OOS Only)                            | x   | x                    | x                    | x                    | N/A                  | N/A                  |
| 16 Speed PowrQuad PLUS™ Transmission 30K (Cab Only)                      | x   | x                    | x                    | x                    | x                    | x                    |
| 20 Speed PowrQuad PLUS Transmission 40K (Cab Only)                       | N/A   | N/A                  | N/A                  | N/A                  | x                    | x                    |
| 24 Speed PowrQuad PLUS Transmission 40K (Cab Only)                       | x   | x                    | x                    | x                    | N/A                  | N/A                  |
| 20 Speed AutoQuad PLUS™ Transmission 40K (Cab Only)                      | N/A   | N/A                  | N/A                  | N/A                  | x                    | x                    |
| 24 Speed AutoQuad PLUS Transmission 40K (Cab Only)                       | x   | x                    | x                    | x                    | N/A                  | N/A                  |
| <b>ELECTRICAL SYSTEM</b>   |   |                      |                      |                      |                      |                      |
| Alternator/Battery   | 14V, 90 amps (14V, 150 amp Optional)/12V  |                      |                      |                      |                      |                      |
| Total cold cranking amps   | 1230  |                      |                      |                      |                      |                      |
| <b>REAR AXLES</b>  |   |                      |                      |                      |                      |                      |
| Flanged axle, 2 position fixed steel wheels                              | Option  | Option               | Option               | N/A                  | N/A                  | N/A                  |
| Flanged axle, 8 position adjustable steel wheels                         | Base  | Base                 | Base                 | Base                 | Base                 | N/A                  |
| 79.45 x 2555 mm (3.1 in. x 100.6 in.) with 2-Position Fixed Cast Wheels  | Option  | Option               | Option               | N/A                  | N/A                  | N/A                  |
| 79.45 x 2555 mm (3.1 in. x 100.6 in.) with 2-Position Fixed Steel Wheels | Option  | Option               | Option               | N/A                  | N/A                  | N/A                  |
| 86 x 2550 mm (3.385 x 100.4 in.) with 2-Position Fixed Cast Wheels       | N/A   | N/A                  | N/A                  | Option               | Option               | N/A                  |
| 92 x 2550 mm (3.622 x 100.4 in.) with 2-Position Fixed Cast Wheels       | N/A   | N/A                  | N/A                  | N/A                  | N/A                  | Base                 |
| Rear Wheel Equipment   | Group 45/46   | Group 45/46          | Group 45/46          | Group 46/47          | Group 46/47          | Group 46/47          |
| <i>Specifications continued on page 24</i>                               |   |                      |                      |                      |                      |                      |

6M Series Specifications 6105M | 6115M | 6125M | 6140M | 6150M | 6170M

|  | 6105M  | 6115M                 | 6125M                 | 6140M                       | 6150M   | 6170M                  |
|--|--|-----------------------|-----------------------|-----------------------------|---|------------------------|
| <b>FRONT AXLES</b>                                     |  |                       |                       |                             |   |                        |
| 2WD – tread range 60.4 to 80.4 in. (1534 to 2042 mm)   | Option   | Option                | Option                | Option                      | N/A   | N/A                    |
| 2WD – tread range 63.3 to 87.4 in. (1610 to 2220 mm)   | N/A  | N/A                   | N/A                   | N/A                         | Option  | Option                 |
| MFWD - Fixed rims                                      | Option   | Option                | Option                | N/A                         | N/A   | N/A                    |
| MFWD - Adjustable rims                                 | Base   | Base                  | Base                  | Base                        | Base  | Base                   |
| <b>STEERING</b>  |  |                       |                       |                             |   |                        |
| Hydrostatic Power                                      | (Standard) - Load Sensing, Hydrostatic, Flow Metering with a 406 mm diameter Steering wheel              |                       |                       |                             |   |                        |
| <b>DIFFERENTIAL LOCK - FRONT AXLE</b>                  |  |                       |                       |                             |   |                        |
| 2WD  | N/A  |                       |                       |                             |   |                        |
| MFWD   | Limited Slip   |                       |                       |                             |   |                        |
| <b>DIFFERENTIAL LOCK - REAR AXLE</b>                   |  |                       |                       |                             |   |                        |
| Full-Locking electrohydraulic                          | Standard   |                       |                       |                             |   |                        |
| <b>HYDRAULIC SYSTEM (type)</b>                         |  |                       |                       |                             |   |                        |
|  | Pressure Compensated (PC) / Pressure & Flow Compensated (PFC) System with Load Sensing Function (option) |                       |                       |                             | Pressure & Flow Compensated (PFC) System with Load Sensing Function |                        |
| Selective control valves (rear/mid)                    | up to 3 with power beyond, 3 mid-mount mechanical  |                       |                       |                             |   |                        |
| Main pump, axial piston (displacement)                 | 45cc/60cc  |                       |                       |                             |   |                        |
| Maximum pressure                                       | 2,900 psi (20,000 kPa)   |                       |                       |                             |   |                        |
| Rated flow   | 21.1 US gpm (80 L/min)   |                       |                       | 30 U.S. gpm (114 L/min)     |   |                        |
| 30 GPM (114L/min) Pump                                 | Optional   |                       |                       | Standard                    |   |                        |
| Available flow at a single SCV                         | 21.1 US gpm(80 L/min)  |                       |                       | 26.4 U.S. gpm (100 L/min)   |   |                        |
| Take out oil capacity without/with additional tank     | 6.6/9.8 gal (25/37 liters)   |                       |                       | 9.2/12.4 gal (35/47 liters) |   |                        |
| <b>3-POINT HITCH (rear) - Electrohydraulic Sensing</b> |  |                       |                       |                             |   |                        |
|  | Category 3N/2 with optional Category 2   |                       |                       | Category 3N/2               |   | Category 3N/3          |
| Lift Capacities - Standard                             | 4,488 lb. (2,035 kg)   | 5,154 lb. (2,338 kg)  | 5,154 lb. (2,338 kg)  | 6,627 lb. (3,006 kg)        | 8,984 lb. (4,075 kg)  | 8,360 lb. (3,792 kg)   |
| Lift Capacities - Optional                             | 5,864 lb. (2,660 kg)   | 6,247 lb. (2,834 kg)  | 6,247 lb. (2,834 kg)  | 7,430 lb. (3,370 kg)        | 10,141 lb. (4,600 kg)   | 10,582 lb. (4,800 kg)  |
| <b>DRAWBAR</b>   |  |                       |                       |                             |   |                        |
| Cat 2 1400 kg (3085 lb.) - 2450 kg (5400 lb.)          | Standard   |                       |                       |                             |   |                        |
| Maximum Vertical Load dependent on drawbar position    |  |                       |                       |                             |   |                        |
| PTO (power take off)                                   | Independent 1-3/8 in., 540/1000 reversible shaft   |                       |                       |                             |   |                        |
| PTO Speed @ Engine RPM                                 | 540 rpm @ 1,932 engine rpm 1,000 rpm @ 1,932 engine rpm  |                       |                       |                             |   |                        |
| <b>AMS COMPATIBILITY</b>                               |  |                       |                       |                             |   |                        |
| GreenStar Ready  | Factory Installed  |                       |                       |                             |   |                        |
| AutoTrac   | Field Installed  |                       |                       |                             |   |                        |
| <b>CAPACITIES</b>                                      |  |                       |                       |                             |   |                        |
| Fuel Tank, Standard                                    | 58 US gal (220 L)  | 58 US gal (220 L)     | 58 US gal (220 L)     | 76.5 US gal (290 L)         | 79 US gal (300 L)   | 93.5 US gal (355 L)    |
| Cooling System   | 5.8 US gal (22 L)  | 5.8 US gal (22 L)     | 5.8 US gal (22 L)     | 7.2 US gal (27.4 L)         | 7.2 US gal (27.4 L)   | 7.4 US gal (28.2 L)    |
| Crankcase oil volume                                   | 4.2 US gal (16 L)  | 4.2 US gal (16 L)     | 4.2 US gal (16 L)     | 4.2 US gal (16 L)           | 6.2 US gal (23.5 L)   | 6.2 US gal (23.5 L)    |
| Transmission-Hydraulic system, PowrQuad/AutoQuad       | 13.7 US gal (52 L)   | 13.7 US gal (52 L)    | 13.7 US gal (52 L)    | 13.7 US gal (52 L)          | 15.8 US gal (60 L)  | 15.8 US gal (60 L)     |
| <b>MFWD</b>  | 2.2 US gal (8.2 L)   | 2.2 US gal (8.2 L)    | 2.2 US gal (8.2 L)    | 2.2 US gal (8.2 L)          | 2.2 US gal (8.2 L)  | 2.2 US gal (8.2 L)     |
| Wheel Hub Without Brakes                               | 0.4 US gal (1.7 L)   | 0.4 US gal (1.7 L)    | 0.4 US gal (1.7 L)    | 0.4 US gal (1.7 L)          | 0.4 US gal (1.7 L)  | 0.4 US gal (1.7 L)     |
| Wheel Hub With Brakes                                  | 0.7 US gal (2.6 L)   | 0.7 US gal (2.6 L)    | 0.7 US gal (2.6 L)    | 0.7 US gal (2.6 L)          | 0.7 US gal (2.6 L)  | 0.7 US gal (2.6 L)     |
| <b>WHEELBASE</b>                                       |  |                       |                       |                             |   |                        |
| 2WD  | 101.6 in. (2,580 mm)   | 101.6 in. (2,580 mm)  | 101.6 in. (2,580 mm)  | 108.9 in. (2,765 mm)        | 108.9 in. (2,765 mm)  | 110.2 in. (2,800 mm)   |
| MFWD   | 101.6 in. (2,580 mm)   | 101.6 in. (2,580 mm)  | 101.6 in. (2,580 mm)  | 108.9 in. (2,765 mm)        | 108.9 in. (2,765 mm)  | 110.2 in. (2,800 mm)   |
| MFWD axle ground clearance with standard MFWD tyres    | 20.47 in. (520 mm)   | 20.47 in. (520 mm)    | 20.47 in. (520 mm)    | 20.47 in. (520 mm)          | 20.47 in. (520 mm)  | 20.47 in. (520 mm)     |
| <b>AVERAGE STANDARD WEIGHT less front weights</b>      |  |                       |                       |                             |   |                        |
| MFWD/AQ Plus/drawbar/base weight                       | 11,040 (5,007 kg)  | 11,486 lb. (5,210 kg) | 11,519 lb. (5,225 kg) | 12,200 lb. (5,534 kg.)      | 13,073 lb. (5,930 kg)   | 15,664 lb. (7,105 kg)  |
| Drivers Ear Noise Level per 2009/76/EC Annex II        | 71   |                       |                       | 72                          |   |                        |
| Cab glass area   | 51.6 sq. ft. (4.79 m <sup>2</sup> )  |                       |                       |                             |   |                        |
| Max Ballast Level                                      | Maximum recommended ballast is 163 lb./SAE PTO HP -see OM for specific ballast instructions              |                       |                       |                             |   |                        |
| Max Payload Capacity                                   | 19,180 lb. (8,700 kg)  | 19,180 lb. (8,700 kg) | 19,180 lb. (8,700 kg) | 21,605 lb. (9,800 kg)       | 23,809 lb. (10,800 kg)  | 24,912 lb. (11,300 kg) |

\* 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.

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

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