

# H Series Front Loader



## Made for each other

Our new H Series front loaders are the perfect match for your John Deere tractor – even if it's an older model. They fit perfectly. They're easy to mount and maintain and they deliver outstanding visibility and performance for years on end, with little or no maintenance.

Thanks to advanced automation technology like Electronic Self Levelling and Return to Position, even less skilled operators can now perform repetitive tasks productively.

- Enhanced strength and durability
- Perfect tractor stability
- Unmatched visibility
- Perfectly integrated joystick in cab
- High capacity hydraulics
- Tremendous performance and fast cycle times
- Convenient access to tractor service points







## Table of Contents

Introduction .....	2 – 3
New Design & Features .....	4 – 5
Visibility & Durability .....	6 – 7
Levelling Options: NSL, MSL & HSL .....	8 – 9
New ESL & RTP Technologies .....	10 – 11
Joysticks & Loader Control Options .....	12 – 13
Easy Mounting & Service .....	14 – 15
Attachments .....	16 – 19
Specifications & Compatibility .....	20 – 23

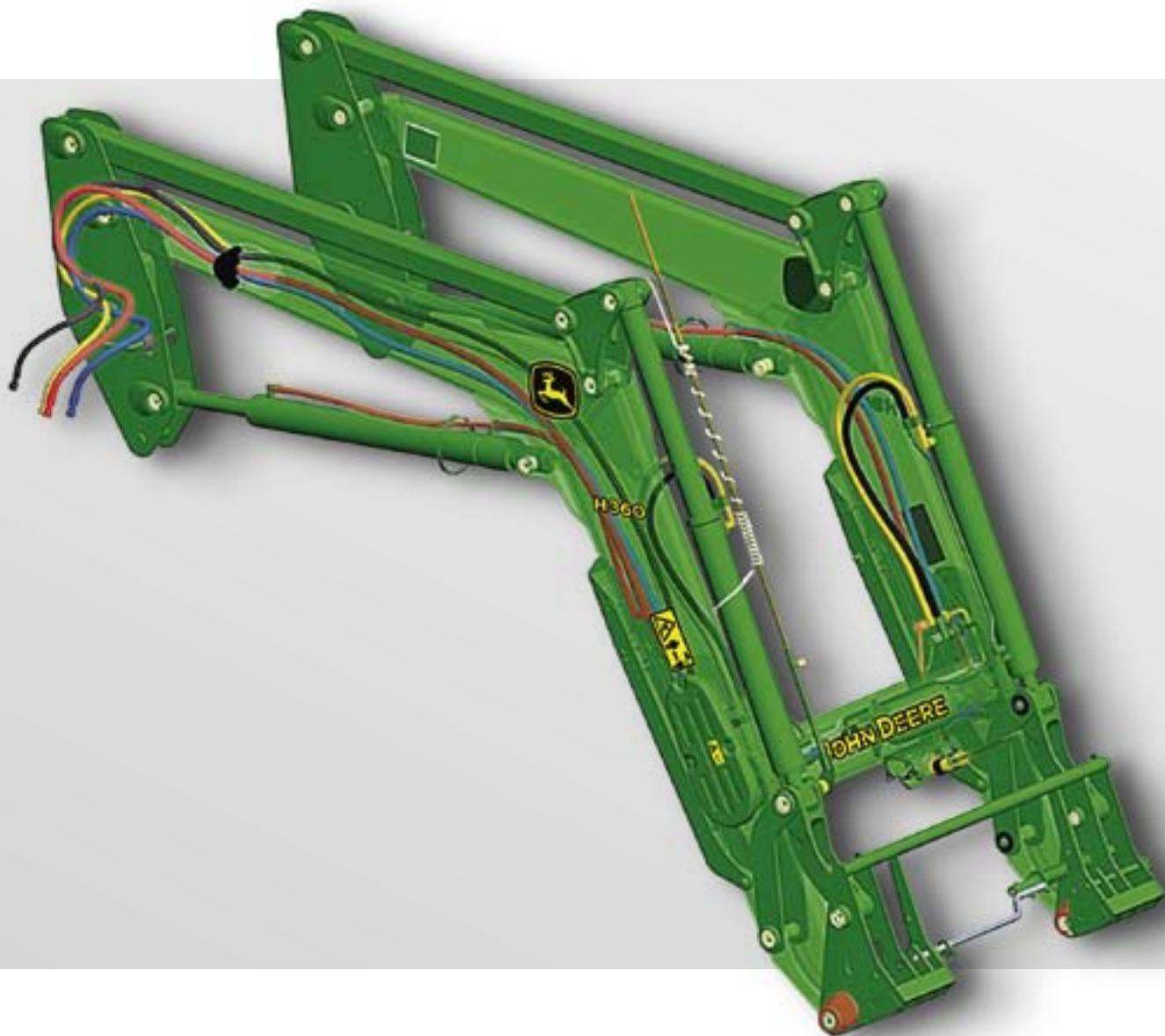
## New global design

The new H Series range provides more visibility, manoeuvrability and durability than ever before.

Whatever model of John Deere you run, the nodular cast iron mounting frames fit perfectly – for greater flexibility, improved fender clearance, full manoeuvrability and easy access to the engine. It also ensures long lasting durability.

### Perfect integration

Want more? Ask us to factory-fit all loader components when we assemble your new tractor. That way, the joystick and hydraulic components are built in – and the mounting frame gets painted along with your tractor frame.





## New global features

The new H Series loaders are packed with features that improve your productivity and performance.

### Advanced automation

In addition to NSL, MSL & HSL options, you now benefit from state-of-the-art technology like electronic self levelling allowing Return-to-Position.

### Euro standard carrier

All John Deere loaders now come with a Euro standard attachment point. The auto latch system lets you lock any John Deere implement automatically: to unlock, simply pull the handle and turn it down.

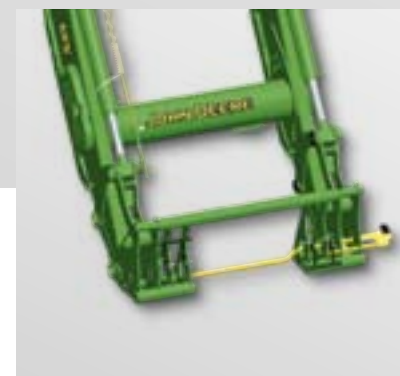
An SMS and MX carrier are available as an option.

### Integrated hoses and components

All hydraulic pipes and components are now mounted inside the boom. This ensures easy access for better serviceability, full protection and optimised visibility.

### Optimised directional bushings

We now have bigger, welded directional bushings, with a wide contact surface which are well oriented to ensure the front loader boom will support the heavy duty applications.



There are different carrier options available.

## Enhanced reliability

John Deere loader pins are induction-hardened for maximum durability. Matched forged bushings and minimised bending stresses enable considerably longer life.

The torque tube is now much lower down, ensuring a clearer view of the task in hand. And because components like the pressure relief valve, diverter or suspension are mounted inside the tube they're fully protected, yet easy to access and service.

### Where are the hoses?

On our new front loaders, all the oil lines and components are fully integrated into the frame – out of sight and out of harm's way.



### ENHANCED RELIABILITY

John Deere loader pins are induction-hardened for maximum durability. The matched forged bushings provide a more effective long-term solution.

### INDUSTRIAL GRADE CYLINDERS

Are rigorously tested over hundreds of thousands of cycles to ensure long life and dependable performance.

### FLAT FACE SEALS

All hydraulic connections use flat face seals (ORFS) to seal and protect against any leakage. A large contact surface area between the rings keeps pressure within ideal operating parameters.

**Relocated torque tube** reduces boom oscillation for greater stability, strength and precision.



## Enhanced durability

To make sure our new front loaders meet our standards – and your expectations – we use only the finest materials and craftsmanship. Every component has been exhaustively tested under conditions that are even rougher than those on your farm.

Heat-treated shafts ensure a smoother, longer life. Each shaft is equipped with a grease nipple protected by an easy to access, welded bushing.

False rod bucket cylinders dramatically improve bucket dump cycle times and eliminate the need to drain lines. Improved rod corrosion resistance further enhances durability and performance.

### **HSL/MSL pressure relief valve**

For smoother, safer productivity, a relief valve protects the loader and tractor from over-pressure in the bucket cylinder (on HSL & MSL loaders). For example, if the bucket is blocked by a strong obstacle during blading, the relief valve allows the bucket to rotate and move around the obstacle.



## NSL & MSL Levelling

### NON SELF-LEVELLING (NSL) LOADERS

- An economical choice that does not keep the attachment level during raise/lower cycles (operator must correct if needed)
- Excellent crowding and dumping angles for easy handling of bulked material
- Ideal for material such as grain
- Great visibility, very compact, no parts above the boom
- Available on H310, H340 and H360 models

### MECHANICAL SELF-LEVELLING (MSL) LOADERS

Faster and more powerful than an NSL, with an MSL loader you can automatically keep your attachment level during raise/lower cycles. The new models feature a link on the top of the boom for more breakout force.

- 4 degree levelling accuracy (no deviation from bottom to top)
- Integrated castings with improved pin alignment and reliability
- Pressure relief valve
- Fast cycle time thanks to false rod bucket cylinders
- Mechanical links enable greater breakout force and more stability with heavy duty loads
- MSL available on all loader models



The twin-cartridge pressure relief valve on MSL / HSL loaders makes difficult tasks easier. One valve cartridge stops your loader stalling when you raise the boom with a dumped bucket; the other protects it from excessive forces during operations such as forward blading.





## HSL Levelling

### HYDRAULIC SELF-LEVELLING (HSL) LOADERS

Offer more power, visibility and accuracy than any other loader type. The slave cylinder design provides better visibility in any position and also keeps the loader compact.

- 4 degree levelling accuracy (no deviation from bottom to top)
- Excellent crowding and dumping angles – ideal for handling bulked materials and pallets
- Hydraulic routing from slave cylinder to bucket hydraulic cylinder
- Slave cylinders inside the boom for lower stress and longer life
- Pressure relief valve
- Outstanding breakout force, ideal for heavy duty applications like manure and silage applications



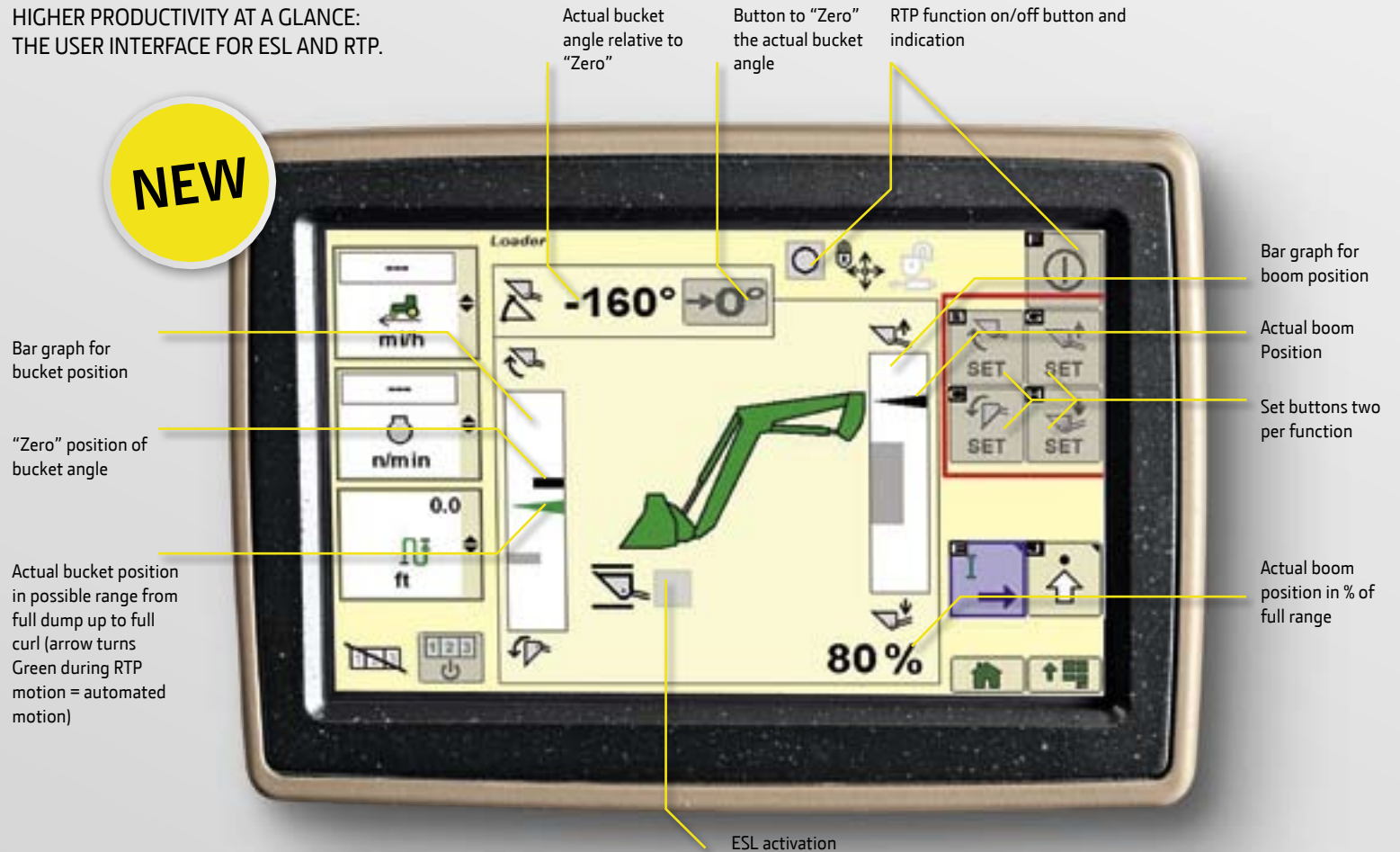
## Electronic Self Levelling (ESL)

Step up to the next level! Electronic self levelling is the next step in automated, high-precision productivity. Equipped with a sensor both for the bucket position and one for the boom position, the attachment position is visible in real time on the tractor display.

As a result, even less experienced operators can now achieve consistent, high productivity all day long.

ESL is available with H340, H360 and H380 NSL and MSL John Deere loaders and for R Series tractors equipped with the electronic joystick.

HIGHER PRODUCTIVITY AT A GLANCE:  
THE USER INTERFACE FOR ESL AND RTP.





**NEW**

## New: Return to Position

RTP or Return to Position boosts productivity by preventing errors and fatigue during repetitive tasks like loading pallets.

With RTP, your loader returns to a preset position automatically whenever you tell it to. All you do is select one of the following four detents on the electronic joystick in your cab – RTP does the rest.

- front detent: boom low position
- back detent: boom high position
- left detent: bucket high position
- right detent: bucket low position

As a precaution, RTP disables 'float' mode if operators move the joystick to 'float' when the boom is above the preset maximum height.



## Independent Control Valve (ICV)

### LOADER CONTROL OPTIONS PUT YOU IN COMMAND

For the most precise loader control and operator comfort, an Independent Control Valve (ICV) is preferable. Choose from two single-lever ICV joysticks based on location according to the tractor you want to equip: console-integrated or armrest-integrated.



#### MECHANICAL JOYSTICK

The Mechanical Independent Control Valve (M-ICV) provides precise operation via cable-controlled valves:

- Perfectly integrated in the consoles of 6R, 7R and 8R Series tractors for ultimate operator comfort and loader control.
- You can scrape along the surface by activating the float position on your joystick. Simply push the single lever forward all the way.

The mechanical joystick is not available for 7R and 8R Series tractors.



#### ELECTRONIC JOYSTICK

The Electronic Independent Control Valve (E-ICV) is ideal for high precision and maximum productivity:

- The armrest-integrated single lever provides unsurpassed operator comfort and loader control.
- Adjust the maximum loader speed according to your job.
- When not in use, simply swivel the unit under the armrest.
- Perfectly integrated in the armrest of the new 6R, 7R and 8R Series tractors.
- Automatic shaking feature promotes quick unloading of sticky materials.
- You can scrape it along the surface by activating the float position on your joystick. Simply push the single lever forward all the way.

When used with the CommandCenter, the electronic joystick gives you a powerful high-tech combination with several advantages:

- Adjust maximum loader speed according to your task.
- Infinitely adjust the flow between 0 and maximum.
- Choose between linear, progressive or a combination for exact flow modulation and precise loader movement.





### EXCELUSIVE GEAR SHIFT SWITCH OPTION

John Deere offers you the Gear Shift Switches (GSS) option to let you move the loader and change the tractor gears at the same time by keeping your hand on the same joystick. Buttons to change gears are integrated on top of the loader joystick. The results:

- Greater productivity by working at higher speeds
- More comfort through reduced fatigue and noise level
- Lower tractor rpm for greater fuel efficiency

Available on the mechanical joystick with PowerQuad Plus and AutoQuad Plus transmissions.

## Only John Deere offers three independent joystick functions

With either joystick, you can perform up to three tasks at the same time. Choices include:

### TWO FUNCTIONS

- Push/pull joystick to lower/raise the boom
- Turn joystick right/left to crowd/dump attachment
- Perfect for bucket or fork

### TWO FUNCTIONS PLUS DIVERTER

- Lower/raise the boom and crowd/dump the attachment
- Or lower/raise the boom and open/close the attachment
- Single lever control allows a fourth function, thanks to other diverter valves. A third button on the joystick activates the MemoSystem option.

### THREE INDEPENDENT FUNCTIONS – A JOHN DEERE EXCLUSIVE

Lower/raise the boom and crowd/dump attachment and open/close attachment simultaneously

- Single lever control allows a fourth function, thanks to other diverter valves. A second button on the joystick lets you use the MemoSystem option.
- The front toggle activates the third independent function. To activate the fourth function, press the thumb buttons at the same time you press the front toggle.
- Specially developed to increase productivity, precision and comfort



### WHAT CONTROLS TO USE FOR YOUR JOHN DEERE TRACTOR

	SCV	M-ICV	E-ICV
2 Functions	●	●	●
2 Functions + 1	○	●	●
3 Independent functions	○	●	●

● Available  
○ Not available

### ENHANCED PROTECTION FEATURES IN BASE:

E-ICV joystick features a spring-loaded safety cap for enhanced protection. Your hand must be grasping the joystick and holding the cap out for your loader to operate. A toggle switch at the base of the controller also locks out all functions for greater protection (also available on M-ICV).

### OPTIONAL:

- Load holding valves (4 valves mounted directly – one on each cylinder) keep the attachment and the boom in their original position for an extra measure of protection (required for local authorities and municipalities).
- Safety Device (2 Electro piloted valves fitted – one on each lifting cylinder) allows you to lock the loader in a defined position (strongly advised for situations in which the loader is raised under load and someone has to work close by).
- New Mechanical joystick with integrated suspension and memo buttons as Option available



## Easy mounting

Whether you run a brand new John Deere or an older model, our new loaders fit perfectly every time. Thanks to the Euro standard carrier.

The auto latch system allows you to automatically lock any John Deere implement. To unlock, simply pull the handle and turn it down.

- Patented design loader disconnect
- Retained mast to Mounting Frame pin
- Quick release, no retaining pins
- Intuitive parking

### MAKE THE CONNECTION EASILY

It's easy to couple and uncouple the third function hydraulic lines with the implement multicoupler, even when the hose pressure is high.



It's easy to mount and dismount the H-Series front loader.



## Easy servicing

Everything about our new front loaders is designed for easy, fuss-free maintenance. All the oil lines and components are mounted inside the frame, keeping them clean and well protected.

Access is fast and convenient and the push-to-connect fittings make replacement simple.

### INDUSTRY STANDARDS COMPLIANCE

Because safety and servicing go hand in hand, we always fit a hydraulic servicing shut-off valve as standard. The shutoff valve restricts the oil flow, so you can raise and lock the boom for easier maintenance. It meets industry safety requirements in applicable jurisdictions.



Our new front loaders never get in the way of your John Deere tractor. Even with a loader attached, you can still easily check your tractor's oil or battery, change filters or add fluids quickly and easily.

## Attachments for every job

Besides offering a choice of eight front loaders, we also offer a wide range of implements to fit your loader needs.

From buckets to bale handling to pallet forks to manure forks, you'll find the right tool to make quick work of any loader task. All implements perfectly match the John Deere Euro implement holder.

The H480 has a Category 2 carrier.







**Standard Buckets**  
*(without teeth)*

Size (m)	Capacity (m³)	weight (kg)
1.60	0.58	212
1.85	0.67	236
2.00	0.72	250
2.20	0.79	266
2.45	0.88	295

**Earth Buckets**  
*(with welded teeth)*

Size (m)	Capacity (m³)	weight (kg)
1.60	0.58	243
1.85	0.67	271
2.00	0.72	288
2.20	0.79	310
2.45	0.88	354

**Heavy Duty Buckets**  
*(with blade and optional bolted teeth)*

Size (m)	Capacity (m³)	weight (kg)
1.85	0.67	272
2.20	0.79	310
2.45	0.88	355

**Heavy Duty Multi-Purpose Buckets**  
*(with blade and optional bolted teeth)*

Size (m)	Capacity (m³)	weight (kg)
1.85	0.67	427
2.20	0.79	476
2.45	0.88	526

**Multi-Purpose Buckets**  
*(without teeth)*

Size (m)	Capacity (m³)	weight (kg)
1.60	0.61	350
2.00	0.77	410
2.20	0.93	430

**High Volume Buckets**

Size (m)	Capacity (m³)	weight (kg)
2.30	1.50	308

**Grain Buckets**

Size (m)	Capacity (m³)	weight (kg)
2.20	1.10	383





**Bale Grapple**

**Capacity**

4 bales high

**Bale Grapple**

*(for wrapped bales)*

**Capacity**

4 bales high

**Bale Spikes**

**Capacity**

700 kg

**Convertible Pallet Fork**

**Capacity**

1600 kg

**Convertible Bale Spike**

**Length**

1000 mm

**Palet Fork**

**Capacity**

1500 kg







Manure Forks	
Size (m)	
1.40	
1.60	
2.00	
2.20	

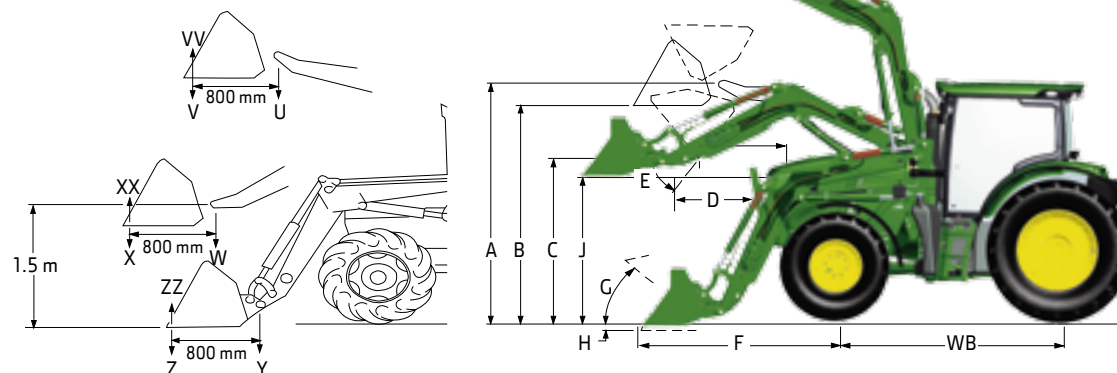
Manure Forks with grapple	
Size (m)	
1.40	
1.60	
2.00	

Heavy Duty Manure Forks (without grapple)	
Size (m)	
1.55	
1.90	

Grapple for Heavy Duty Manure Forks	
Size (m)	
1.55	
1.90	



# Specifications



## H310 Loader

### ASABE Specifications (S301.3)

		6125R			6430 Premium		
Tractor model							
Front tyre		16.9R24			16.9R24		
Rear tyre		18.4R38			18.4R38		
Wheelbase	(WB), in / mm	102 / 2580			96 / 2400		
Pump capacity	gpm / lpm	29 / 110			29 / 110		
Rated pressure	psi / BAR	2900 / 200			2900 / 200		
Loader		H310NSL	H310MSL	H310HSL	H310NSL	H310MSL	H310HSL
Bucket		1850HD Bucket			1850 MATERIAL		
Bucket weight	lb / kg	502 / 228	502 / 228	502 / 228	502 / 228	502 / 228	502 / 228
Lift capacity @ full height	measured @ pivot, (U), lb / kg	4792 / 2178	3766 / 1712	3766 / 1712	4822 / 2192	3777 / 1717	3777 / 1717
	measured @ 800 mm ahead of pivot, (V), lb / kg	3241 / 1473	4105 / 1866	4105 / 1866	3256 / 1480	4123 / 1874	4123 / 1874
Lift capacity @ 59 in (1.5 m) lift height	measured @ pivot, (W), lb / kg	5760 / 2618	4798 / 2181	4798 / 2181	5766 / 2621	4800 / 2182	4800 / 2182
	measured @ 800 mm ahead of pivot, (X), lb / kg	4429 / 2013	4591 / 2087	4591 / 2087	4433 / 2015	4594 / 2088	4594 / 2088
Boom breakout	measured @ pivot, (Y), lb / kg	6862 / 3119	5845 / 2657	5845 / 2657	6846 / 3112	5841 / 2655	5841 / 2655
	measured @ 800 mm ahead of pivot, (Z), lb / kg	5009 / 2277	5113 / 2324	5113 / 2324	4998 / 2272	5106 / 2321	5106 / 2321
Bucket rollback force	@ maximum height, (VV), lb / kg	3208 / 1458	3313 / 1506	3243 / 1474	3194 / 1452	3307 / 1503	3236 / 1471
	@ 59 in (1.5 m) lift height, (XX), lb / kg	6541 / 2973	6587 / 2994	6534 / 2970	6541 / 2973	6587 / 2994	6536 / 2971
	@ ground level, (ZZ), lb / kg	6897 / 3135	6750 / 3068	6895 / 3134	6897 / 3135	6750 / 3068	6895 / 3134
Maximum lift height	(A), in / mm	152 / 3855	151 / 3833	151 / 3833	152 / 3862	151 / 3838	151 / 3838
Clearance	@ full height – bucket level, (B), in / mm	144 / 3661	143 / 3639	143 / 3639	144 / 3668	143 / 3643	143 / 3643
	@ full height – bucket dumped, (C), in / mm	111 / 2826	110 / 2801	110 / 2801	111 / 2836	111 / 2810	111 / 2810
Overall length	(WB+F), in / mm	198 / 5018	198 / 5018	198 / 5018	193 / 4898	193 / 4898	193 / 4898
Digging depths	(H), in / mm	-1 / -24	-2 / -51	-2 / -51	-2 / -15	-2 / -45	-2 / -45
Reach	@ maximum height, (D), in / mm	30 / 759	31 / 787	31 / 787	38 / 976	40 / 1009	40 / 1009
	@ ground – bucket level, (F), in / mm	96 / 2438	96 / 2438	96 / 2438	98 / 2498	98 / 2500	98 / 2500
Bucket angles	dump angle @ full height, (E), degrees	-70	-70	-70	-69	-70	-70
	rollback @ ground, (G), degrees	44	44	44	43	43	43
	dump angle @ ground, degrees	157	-95	-157	-156	-95	-157
Cycle times	loader raise, sec	3.10	2.70	2.70	3.10	2.70	2.70
	loader lower, sec	2.30	2.00	2.00	2.30	2.00	2.00
	bucket dump, sec	2.10	1.40	2.10	2.10	1.40	2.10
	bucket rollback, sec	1.40	1.40	1.40	1.40	1.40	1.40

reach at max height measured to tractor front starter weight bracket; actual specs may vary



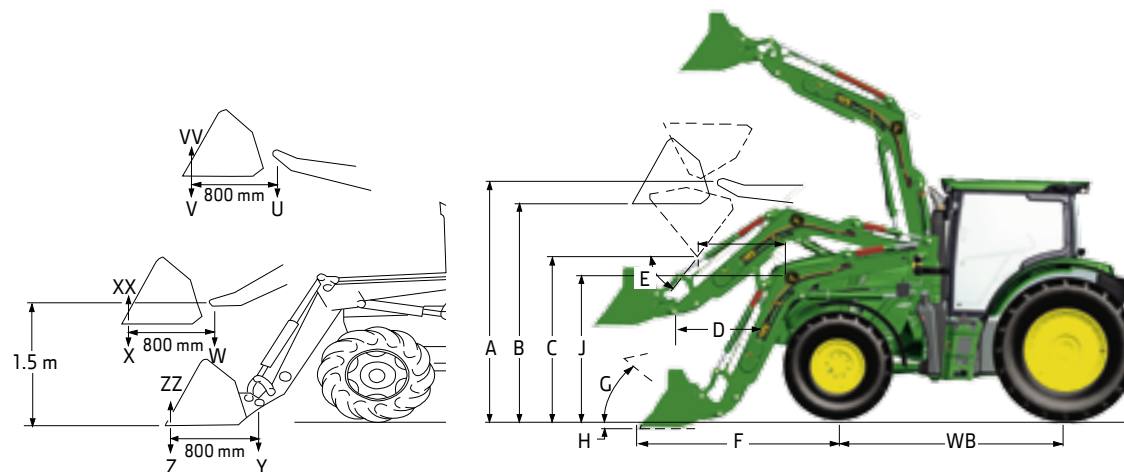
## H340 Loader

### ASABE Specifications (S301.3)

Tractor model		6125R			6130R			6150R			6430 Premium			
Front tyre		540/65R24			540/65R24			540/65R28			16.9R24			
Rear tyre		600/65R38			600/65R38			650/65R38			18.4R38			
Wheelbase (WB), in / mm		102 / 2580			102 / 2580			109 / 2765			109 / 2765			
Pump capacity gpm / lpm		28 / 106			28 / 106			28 / 106			28 / 106			
Rated pressure psi / BAR		2900 / 200			2900 / 200			2900 / 200			2900 / 200			
Loader		H340NSL	H340MSL	H340HSL	H340NSL	H340MSL	H340HSL	H340NSL	H340MSL	H340HSL	H340NSL	H340MSL	H340HSL	
Bucket		2150HD Grapple			2150HD Grapple			2150HD Grapple			2150HD Grapple			
Bucket weight lb / kg		723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	723 / 328	
Lift capacity @ full height		measured @ pivot, (U), lb / kg	5201 / 2359	4050 / 1837	4050 / 1837	5276 / 2393	4116 / 1867	4116 / 1867	5260 / 2386	4103 / 1861	4103 / 1861	5293 / 2401	4131 / 1874	4131 / 1874
		measured @ 800 mm ahead of pivot, (V), lb / kg	3430 / 1556	4140 / 1878	4140 / 1878	3466 / 1572	4224 / 1916	4224 / 1916	3459 / 1569	4206 / 1908	4206 / 1908	3474 / 1576	4244 / 1925	4244 / 1925
Lift capacity @ 59 in (1.5 m) lift height		measured @ pivot, (W), lb / kg	5886 / 2670	5278 / 2394	5278 / 2394	5891 / 2672	5287 / 2398	5287 / 2398	5922 / 2686	5324 / 2415	5324 / 2415	5891 / 2672	5289 / 2399	5289 / 2399
		measured @ 800 mm ahead of pivot, (X), lb / kg	4544 / 2061	5064 / 2297	5064 / 2297	4546 / 2062	5071 / 2300	5071 / 2300	4568 / 2072	5095 / 2311	5095 / 2311	4548 / 2063	5071 / 2300	5071 / 2300
Boom breakout		measured @ pivot, (Y), lb / kg	6643 / 3013	6396 / 2901	6396 / 2901	6603 / 2995	6369 / 2889	6369 / 2889	6629 / 3007	6433 / 2918	6433 / 2918	6592 / 2990	6363 / 2886	6363 / 2886
		measured @ 800 mm ahead of pivot, (Z), lb / kg	4850 / 2200	5661 / 2568	5661 / 2568	4822 / 2187	5631 / 2554	5631 / 2554	4815 / 2184	5650 / 2563	5650 / 2563	4813 / 2183	5622 / 2550	5622 / 2550
Bucket rollback force		@ maximum height, (VV), lb / kg	3300 / 1497	3380 / 1533	3276 / 1486	3276 / 1486	3355 / 1522	3252 / 1475	3280 / 1488	3360 / 1524	3256 / 1477	3267 / 1482	3349 / 1519	3245 / 1472
		@ 59 in (1.5 m) lift height, (XX), lb / kg	6766 / 3069	6790 / 3080	6759 / 3066	6766 / 3069	6790 / 3080	6759 / 3066	6803 / 3086	6817 / 3092	6797 / 3083	6766 / 3069	6790 / 3080	6762 / 3067
		@ ground level, (ZZ), lb / kg	6790 / 3080	6715 / 3046	6810 / 3089	6792 / 3081	6720 / 3048	6810 / 3089	6735 / 3055	6671 / 3026	6755 / 3064	6788 / 3079	6715 / 3046	6808 / 3088
Maximum lift height (A), in / mm		162 / 4103	161 / 4100	161 / 4100	162 / 4113	162 / 4111	162 / 4111	164 / 4171	164 / 4169	164 / 4169	164 / 4169	162 / 4120	162 / 4118	162 / 4118
Clearance		@ full height – bucket level, (B), in / mm	154 / 3908	154 / 3907	154 / 3907	154 / 3919	154 / 3917	154 / 3917	157 / 3977	156 / 3974	156 / 3974	115 / 2925	154 / 3923	154 / 3923
		@ full height – bucket dumped, (C), in / mm	121 / 3071	121 / 3070	121 / 3070	121 / 3083	121 / 3082	121 / 3081	124 / 3140	124 / 3139	124 / 3139	122 / 3089	122 / 3088	122 / 3088
Overall length (WB+F), in / mm		195 / 4959	196 / 4969	196 / 4969	205 / 5199	205 / 5208	205 / 5208	203 / 5153	203 / 5163	203 / 5163	203 / 5163	190 / 4831	191 / 4840	191 / 4840
Digging depths (H), in / mm		-4 / -101	-4 / -102	-4 / -102	-3 / -86	-3 / -87	-3 / -87	-1 / -30	-1 / -30	-1 / -30	-1 / -30	-3 / -79	-3 / -80	-3 / -80
Reach		@ maximum height, (D), in / mm	24 / 601	23 / 585	23 / 585	18 / 464	18 / 448	18 / 448	20 / 504	19 / 488	19 / 488	27 / 682	26 / 666	26 / 666
		@ ground – bucket level, (F), in / mm	94 / 2379	94 / 2389	94 / 2389	96 / 2434	96 / 2443	96 / 2443	94 / 2388	94 / 2398	94 / 2398	96 / 2431	96 / 2440	96 / 2440
Bucket angles		dump angle @ full height, (E), degrees	-71	-70	-70	-70	-70	-70	-70	-70	-70	-70	-70	-70
		rollback @ ground, (G), degrees	44	44	44	44	44	44	43	43	43	44	44	44
		dump angle @ ground, degrees	-163	-89	-163	-163	-89	-163	-165	-89	-165	-164	-89	-164
Cycle times		loader raise, sec	3.70	3.30	3.30	3.70	3.30	3.30	3.70	3.30	3.30	3.60	3.20	3.20
		loader lower, sec	2.50	2.30	2.30	2.50	2.30	2.30	2.50	2.30	2.30	2.50	2.20	2.20
		bucket dump, sec	2.20	1.50	2.20	2.20	1.50	2.20	2.20	1.50	2.20	2.10	1.40	2.10
		bucket rollback, sec	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.40	1.40	1.40

reach at max height measured to tractor front starter weight bracket; actual specs may vary

# Specifications



## H360 Loader

### ASABE Specifications (S301.3)

Tractor model		6210R			6150R			6534/6630		6830/6930	
Front tyre		540/65R28			540/65R28			14.9R28		14.9R28	
Rear tyre		560/65R38			650/65R38			18.4R38		18.4R38	
Wheelbase	(WB), in / mm	110 / 2800			109 / 2765			104 / 2650		104 / 2650	
Pump capacity	gpm / lpm	44 / 168			28 / 106			32 / 120		32 / 120	
Rated pressure	psi / BAR	2900 / 200			2900 / 200			2900 / 200		2900 / 200	
Loader		H360NSL	H360MSL	H360HSL	H360NSL	H360MSL	H360HSL	H360MSL	H360NSL	H360MSL	H360NSL
Bucket		2150HD Grapple			2150HD Grapple			2150HD Grapple		2150HD Grapple	
Bucket weight	lb / kg	722 / 328	722 / 328	722 / 328	722 / 328	722 / 328	722 / 328	722 / 328	722 / 328	722 / 328	722 / 328
Lift capacity @ full height	measured @ pivot, (U), lb / kg	5416 / 2462	3984 / 1811	4125 / 1875	5388 / 2449	3960 / 1800	4149 / 1886	4101 / 1864	5551 / 2523	4011 / 1823	5447 / 2476
	measured @ 800 mm ahead of pivot, (V), lb / kg	3846 / 1748	4367 / 1985	4497 / 2044	3828 / 1740	4330 / 1968	4547 / 2067	4536 / 2062	3918 / 1781	4404 / 2002	3861 / 1755
Lift capacity @ 59 in (1.5 m) lift height	measured @ pivot, (W), lb / kg	6512 / 2960	5812 / 2642	5709 / 2595	6503 / 2956	5801 / 2637	5722 / 2601	5793 / 2633	6490 / 2950	5790 / 2632	6492 / 2951
	measured @ 800 mm ahead of pivot, (X), lb / kg	5159 / 2345	5542 / 2519	5531 / 2514	5155 / 2343	5533 / 2515	5551 / 2523	5526 / 2512	5146 / 2339	5524 / 2511	5148 / 2340
Boom breakout	measured @ pivot, (Y), lb / kg	7504 / 3411	7300 / 3318	6989 / 3177	7513 / 3415	7297 / 3317	6989 / 3177	7187 / 3267	7401 / 3364	7242 / 3292	7465 / 3393
	measured @ 800 mm ahead of pivot, (Z), lb / kg	5694 / 2588	6505 / 2957	6354 / 2888	5705 / 2593	6512 / 2960	6354 / 2888	6417 / 2917	5634 / 2561	6470 / 2941	5676 / 2580
Bucket rollback force	@ maximum height, (VV), lb / kg	3315 / 1507	5403 / 2456	4866 / 2212	3329 / 1513	5423 / 2465	4866 / 2212	5322 / 2419	3263 / 1483	5386 / 2448	3304 / 1502
	@ 59 in (1.5 m) lift height, (XX), lb / kg	6871 / 3123	10784 / 4902	9845 / 4475	6866 / 3121	10780 / 4900	9845 / 4475	10747 / 4885	6838 / 3108	10762 / 4892	6851 / 3114
	@ ground level, (ZZ), lb / kg	7003 / 3183	10756 / 4889	10028 / 4558	7007 / 3185	10760 / 4891	10028 / 4558	10806 / 4912	7031 / 3196	10784 / 4902	7020 / 3191
Maximum lift height	(A), in / mm	174 / 4416	174 / 4417	174 / 4413	173 / 4403	173 / 4404	174 / 4413	173 / 4393	173 / 4392	173 / 4391	173 / 4390
Clearance	@ full height – bucket level, (B), in / mm	166 / 4208	166 / 4208	166 / 4204	165 / 4194	165 / 4196	166 / 4204	165 / 4185	165 / 4184	165 / 4183	165 / 4182
	@ full height – bucket dumped, (C), in / mm	133 / 3369	133 / 3372	133 / 3370	131 / 3337	131 / 3340	133 / 3370	131 / 3332	132 / 3349	131 / 3328	132 / 3344
Overall length	(WB+F), in / mm	209 / 5315	210 / 5325	210 / 5325	211 / 5349	211 / 5359	210 / 5325	207 / 5260	207 / 5251	207 / 5262	207 / 5253
Digging depths	(H), in / mm	-5 / -135	-5 / -133	-6 / -143	-6 / -150	-6 / -148	-6 / -143	-6 / -150	-6 / -151	-6 / -158	-6 / -159
Reach	@ maximum height, (D), in / mm	26 / 672	26 / 655	26 / 655	21 / 536	20 / 519	26 / 655	29 / 726	29 / 743	29 / 726	29 / 743
	@ ground – bucket level, (F), in / mm	102 / 2585	102 / 2594	99 / 2525	102 / 2584	102 / 2594	99 / 2525	103 / 2610	102 / 2601	103 / 2612	102 / 2603
Bucket angles	dump angle @ full height, (E), degrees	-65	-65	-70	-65	-65	-70	-64	-64	-64	-64
	rollback @ ground, (G), degrees	42	44	42	44	44	42	45	45	45	44
	dump angle @ ground, degrees	-157	-84	-150	-157	-85	-150	-84	-150	-85	-151
Cycle times	loader raise, sec	2.79	2.48	2.43	4.42	3.94	3.85	3.50	3.90	3.50	3.90
	loader lower, sec	1.70	1.51	1.48	2.69	2.40	2.34	2.10	2.40	2.10	2.40
	bucket dump, sec	1.37	1.23	1.58	2.18	1.94	2.50	1.70	1.90	1.70	1.90
	bucket rollback, sec	0.81	1.23	1.13	1.94	1.94	1.79	1.70	1.10	1.70	1.10

reach at max height measured to tractor front starter weight bracket; actual specs may vary



## H380 Loader

ASABE Specifications (S301.3)		
Tractor model		6210R
Front tyre		540/65R34
Rear tyre		710/70R42
Wheelbase	(WB), in / mm	110 / 2800
Pump capacity	gpm / lpm	44 / 168
Rated pressure	psi / BAR	2900 / 200
Loader		H380
Bucket		2450HD Grapple
Bucket weight	lb / kg	825 / 375
Lift capacity @ full height	measured @ pivot, (U), lb / kg	4288 / 1949
	measured @ 800 mm ahead of pivot, (V), lb / kg	4708 / 2140
Lift capacity @ 59 in (1.5 m) lift height	measured @ pivot, (W), lb / kg	6461 / 2937
	measured @ 800 mm ahead of pivot, (X), lb / kg	6147 / 2794
Boom breakout	measured @ pivot, (Y), lb / kg	8021 / 3646
	measured @ 800 mm ahead of pivot, (Z), lb / kg	7119 / 3236
Bucket rollback force	@ maximum height, (VV), lb / kg	5632 / 2560
	@ 59 in (1.5 m) lift height, (XX), lb / kg	10784 / 4902
	@ ground level, (ZZ), lb / kg	10551 / 4796
Maximum lift height	(A), in / mm	177 / 4504
Clearance	@ full height – bucket level, (B), in / mm	169 / 4296
	@ full height – bucket dumped, (C), in / mm	135 / 3440
Overall length	(WB+F), in / mm	213 / 5421
Overall height in carry position	(J), in / mm	95 / 2413
Digging depths	(H), in / mm	-6 / -148
Reach	@ maximum height, (D), in / mm	30 / 755
	@ ground – bucket level, (F), in / mm	103 / 2621
Bucket angles	dump angle @ full height, (E), degrees	-70 / -70
	rollback @ ground, (G), degrees	45 / 45
	dump angle @ ground, degrees	-91 / -91
Cycle times	loader raise, sec	2.80 / 2.80
	loader lower, sec	1.80 / 1.80
	bucket dump, sec	1.20 / 1.20
	bucket rollback, sec	1.20 / 1.20

reach at max height measured to tractor front starter weight bracket; actual specs may vary

## H480 Loader

ASABE Specifications (S301.3)				
Tractor model		*7930	7280R	*7230R
Front tyre		420/90R30	420/90R30	420/90R30
Rear tyre		480/80R46	480/80R46	18.4R46
Wheelbase	(WB), in / mm	113 / 2860	120 / 3050	115 / 2925
Pump capacity	gpm / lpm	32 / 121	44 / 168	32 / 121
Rated pressure	psi / BAR	2914 / 201	2914 / 201	2914 / 201
Loader		H480	H480	H480
Bucket		96 in (2450 mm)	96 in (2450 mm)	96 in (2450 mm)
Bucket weight	lb / kg	805 / 366	805 / 366	805 / 366
Lift capacity @ full height	measured @ pivot, (U), lb / kg	4941 / 2246	5084 / 2311	4965 / 2257
		5269 / 2395	5469 / 2486	5304 / 2411
Lift capacity @ 59 in (1.5 m) lift height	measured @ pivot, (W), lb / kg	7183 / 3265	7295 / 3316	7282 / 3310
	measured @ 800 mm ahead of pivot, (X), lb / kg	6871 / 3123	6948 / 3158	6941 / 3155
Boom breakout	measured @ pivot, (Y), lb / kg	8853 / 4024	8923 / 4056	9000 / 4091
	measured @ 800 mm ahead of pivot, (Z), lb / kg	7964 / 3620	7946 / 3612	8030 / 3650
Bucket rollback force	@ maximum height, (VV), lb / kg	6281 / 2855	6173 / 2806	6261 / 2846
	@ 59 in (1.5 m) lift height, (XX), lb / kg	10872 / 4942	10908 / 4958	10908 / 4958
	@ ground level, (ZZ), lb / kg	10604 / 4820	10523 / 4783	10507 / 4776
Maximum lift height	(A), in / mm	181 / 4602	186 / 4735	185 / 4704
Clearance	@ full height – bucket level, (B), in / mm	173 / 4395	178 / 4528	177 / 4496
	@ full height – bucket dumped, (C), in / mm	140 / 3558	145 / 3694	144 / 3659
Overall length	(WB+F), in / mm	225 / 5721	244 / 6205	224 / 5699
Digging depths	(H), in / mm	-10 / -252	-5 / -116	-6 / -150
Reach	@ maximum height, (D), in / mm	55 / 1388	74 / 1886	56 / 1432
	@ ground – bucket level, (F), in / mm	113 / 2861	124 / 3155	109 / 2774
Bucket angles	dump angle @ full height, (E), degrees	-71 / -71	-70 / -70	-70 / -70
	rollback @ ground, (G), degrees	47 / 47	45 / 45	45 / 45
	dump angle @ ground, degrees	-96 / -96	-94 / -94	-95 / -95
Cycle times	loader raise, sec	4.60 / 4.60	3.32 / 3.32	4.65 / 4.65
	loader lower, sec	3.20 / 3.20	2.30 / 2.30	3.22 / 3.22
	bucket dump, sec	1.70 / 1.70	1.23 / 1.23	1.72 / 1.72
	bucket rollback, sec	1.70 / 1.70	1.23 / 1.23	1.72 / 1.72

reach at max height measured to tractor front starter weight bracket; actual specs may vary

# We do it all for you.

John Deere is committed to keeping you up and running. That's why our products and technologies are quality-built, state-of-the-art and efficient.

We've invested so much time in building an effective dealer network so we can be like a good neighbour – there to help when you need us.

That's why all our dealer employees are John Deere trained. They know every nut and bolt on your equipment and they're skilled at diagnosing any potential problems.

Count on John Deere for all your tractor needs. With 175 years of experience in the farm equipment business, we can honestly say: reliability is our strength.



#### **"Partner in agriculture"**

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

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, 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 and design of products described in this literature without notice.

[JohnDeere.com](http://JohnDeere.com)