

**FENDT** 700 Series 714 | 110 pto hp • 716 | 130 pto hp • 718 | 145 pto hp • 720 | 165 pto hp • 722 | 185 pto hp • 724 | 195 pto hp



# The best run operations run Fendt.

Since 1928, Fendt has been recognized as the world leader in tractor technology. In the past seven-plus decades, Fendt has been the first with a CVT transmission, first with a multi-point suspension system and the first with full control of all drive functions and hydraulics via a single joystick. Even today, Fendt offers features that are unavailable at any price on other farm tractors.

In addition to six horsepower levels, Fendt 700 Series tractors are available in Profi, or standard versions, and ProfiPlus technology versions, providing you with a total of 12 different options. Either way, Fendt tractors include more technology and more standard features than any comparably sized tractor on the market.

Model	Engine Max Power	PTO Power <sup>1</sup>
714	140 hp / 104 kW	110 hp / 82 kW
716	160 hp / 119 kW	130 hp / 97 kW
718	180 hp / 134 kW	145 hp / 108 kW
720	200 hp / 149 kW	165 hp / 123 kW
722	220 hp / 164 kW	185 hp / 138 kW
724	240 hp / 179 kW	195 hp / 145 kW

## *First in every field*

First front axle suspension

First stepless transmission

First cab suspension

Introduced stabilization control and reactive steering

Pioneered tractor/implement control systems

First terminal in a tractor (Variotronic)

Pioneered electronically controlled spool valves for hydraulics

<sup>1</sup> = manufacturer's estimate subject to revision upon receipt of official test results.





# Drivetrain

*6.06-liter, 6-cylinder turbocharged and air-to-air aftercooled diesel engine*

*SCR (Selective Catalytic Reduction) technology for compliance with Tier 4i*

*Vario ML140; ML180 or ML180HD transmission*

*31 mph (50 km/h) transport speed*



# Engine

## More power — less fuel

Responsive power and maximum economy come together in the new Fendt 700 Series' 6.06-liter, six-cylinder Deutz diesel engine. Featuring Fendt SCR (selective catalytic reduction) technology, it moves the 700 Series into a higher power range of 180 to 240 maximum horsepower, while providing up to 10 percent better fuel economy and higher torque rise (up to 43 percent) than previous models... all while meeting Tier 4i emissions standards.

At average fuel use of 5.3 gallons per hour, according to field trials and owner reports, that's a savings of around a half gallon of fuel per hour or about five gallons per 10-hour day.

## Unhindered engine performance

Unlike some Tier 4i engines that recirculate exhaust gas back into the engine or force it through complex filters, the Fendt 700 Vario treats the exhaust externally so the engine can be tuned for 100 percent optimum fuel efficiency and do what it does best... produce unrestricted power and torque.

A special DEF (diesel exhaust fluid), which consists of urea in a purified water solution, is injected into an SCR catalyst in the exhaust system where it reacts with heat to reduce nitrogen oxide to harmless nitrates and water vapor. This means the engine can be tuned for peak performance and power, rather than emissions control.

## Fendt automated efficiency functions make saving easy

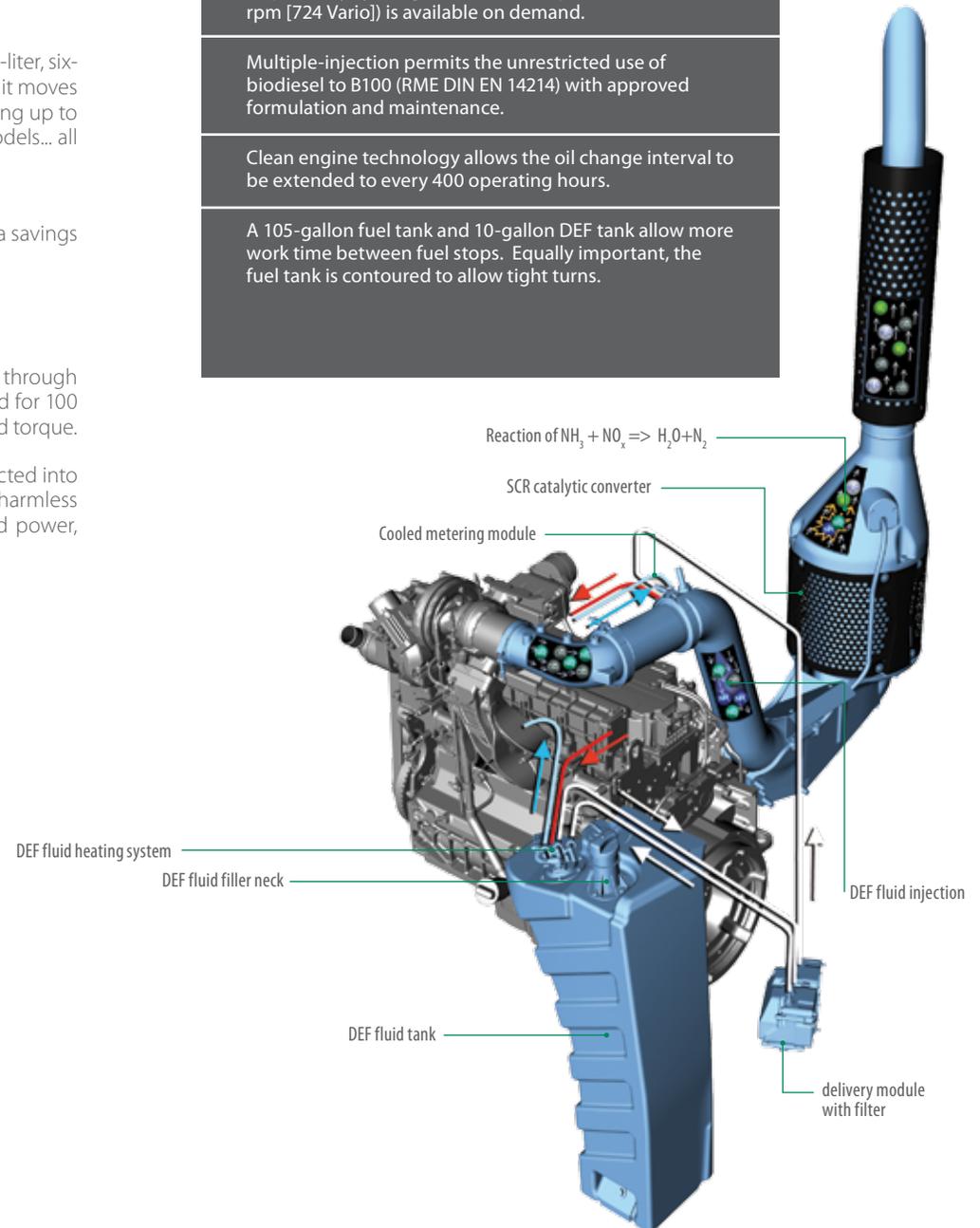
For years tests have shown that continuously variable speed adjustment – such as the Vario transmission offers – brings huge savings potential in time and money. In the 700 Vario, the continuously variable ML180 transmission ensures high drive train efficiency. With the Tractor Management System TMS, which Fendt now also offers as standard for the 700 Vario, the tractor is always operated at an economic optimum. The operator only needs to enter the desired speed and the activated TMS takes care of controlling the engine and transmission. For example, TMS can ensure that the tractor drives at a reduced engine speed on flat terrain. On slopes, the load increases, so TMS increases the engine speed. In this way, the tractor is driven at a reduced engine speed as often as possible – and that automatically means better efficiency.

Maximum speed is attained at reduced engine speed (1,700 rpm at 31 mph and 1,450 rpm at 25 mph respectively), yet high maximum torque (780 ft. lbs./1,450 rpm [724 Vario]) is available on demand.

Multiple-injection permits the unrestricted use of biodiesel to B100 (RME DIN EN 14214) with approved formulation and maintenance.

Clean engine technology allows the oil change interval to be extended to every 400 operating hours.

A 105-gallon fuel tank and 10-gallon DEF tank allow more work time between fuel stops. Equally important, the fuel tank is contoured to allow tight turns.



# Transmission

## *More experience with CVT than any other*

Fendt designed and introduced the first CVT nearly two decades before any IVT, competitive CVT or similar “hybrid” transmission ever surfaced in the industry. As a result, there are more than 100,000 Vario transmissions in operation worldwide today... more than all others combined. And there is a difference.

The Fendt Vario transmission is the manifestation of what professional farmers have always wanted — stepless travel, without speed gaps, that lets the operator select the perfect speed for every application. With transmissions sized to match their horsepower ratings, the 714 and 716 use the ML140 Vario CVT; the 718 and 720 use the latest Fendt ML180 CVT, and the 722 and 724 use the heavy-duty ML180HD Vario transmission.

With their stepless, variable-speed technology, Fendt Vario transmissions allow you to utilize the power reserves normally hidden in the areas between gears. Plus, creeper speeds are built in; allowing you to travel as slow as 66 feet per hour at rated PTO speed for specialized applications.

## *Tempomat cruise control*

For maximum control both in the field and on the road, the Fendt 700 Series offers four independent cruise speed settings — two in field range and two in road range — to be stored and selected with the touch of a key on the control console. Speed ratio settings, meanwhile, are made via the Vario terminal.

## **Adjustable acceleration rate**

Four different acceleration rates, which can be adjusted independently of engine speed, are selected by sliding the switch on the joystick — even if the tractor is moving.

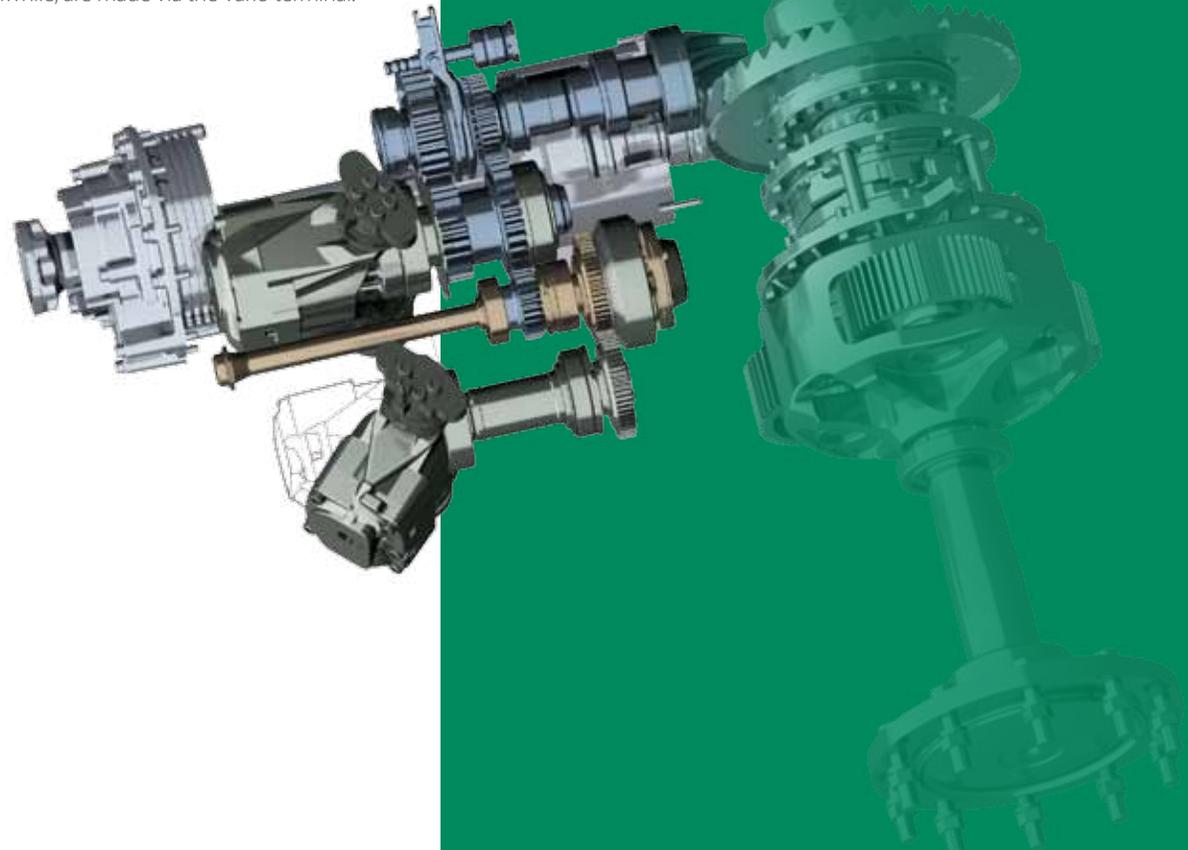
When engaged, the foot pedal switches ground speed control to the foot pedal. This feature is ideal in applications like loader work or crop harvesting, which require a constant engine speed to maintain hydraulic flow or a set PTO speed.

## **Two speed ranges**

To achieve maximum efficiency both in the field and on the road, the Vario transmission features two speed ranges.

Range I — 0.02 to 17 mph (0.02 to 28 kph) forward  
0.02 to 10.5 mph (0.02 to 17 kph) reverse

Range II — 0.01 to 31 mph (0.03 to 50 kph) forward  
0.01 to 19 mph (0.03 to 33 kph) reverse





# Chassis, Axles & Suspension

*Fendt Stability Control*

*VarioActive steering system*

*All-wheel Braking System*



# Chassis

---

## *Put the power to work*

With a power-to-weight ratio of as little as 72 lbs/hp (Model 724), Fendt 700 Series tractors are strong for their size. In fact, the load capacities on most Fendt tractor models are first-in-class in their categories.

That's because Fendt tractors — including the 700 Series — are built tough to handle massive loads, whether they're on a loader, the front 3-point hitch or attached to the back of the tractor.

## *Balance the load*

With a maximum unladen weight of only 17,416 pounds, the 700 Series provides unmatched ballasting flexibility, allowing the tractor to be tailored to a wide range of applications.

- Up to 5,500 pounds can be added on the front of the tractor — with or without the front 3-point hitch
- Weight distribution can be adjusted to 60 percent of the weight on the rear axle for a 60:40 ratio, or vice versa
- Two 440 lb. (200 kg.) or 660 lbs. (300 kg.) wheel weights can be added to the rear wheels. Both are integrated into the rims to maintain the overall tractor width.
- Permissible gross weight of 29,760 lbs. (13,499 kg.) provides ample payload reserves for heavy implements

# Axles & Suspension

## VarioActive steering

As the newest feature on the 700 Series, the VarioActive steering system (standard on the ProfiPlus version) provides a variable gear ratio, depending on travel speed, for best-in-class maneuverability. At slower speeds, it provides fast and comfortable turns with one turn of the steering wheel equal to 43.3 degrees of wheel turn... making the system ideally suited for loader work or headland turns.

## New front axle

A new front axle, with standard hydropneumatic suspension, permits higher payloads, as well as tighter, 52-degree turning angle for a smaller turning radius. The self-leveling axle, in combination with the rugged cast half-frame, provides a gross permissible weight of 12.5 tons. That's ample payload for heavy-duty, front-mounted implements, as well as large loads of hay, rock or dirt in a front-mounted loader.



However, the front axle suspension can also be locked to allow precise control of front-mounted implements, without any effect on steering.

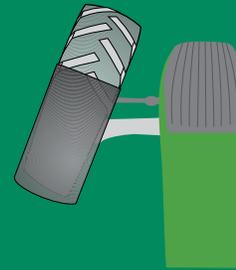
The hydropneumatic independent wheel suspension is equipped with a double wishbone axle, which optimizes steering angle. The fully automatic level control ensures that suspension travel remains the same on both sides (up to 13,227 lbs. (6,000 kg.) of front axle load). Furthermore, the entire suspension travel can be run through manually, the joints and bearings are maintenance-free and have no lubrication points.

## Rugged rear axle

The rear axle on the 700 Series was designed from the start to handle high horsepower and heavy axle loads. Payload on the rear axle alone is over 17,600 lbs. (8,000 kg.) to handle heavy implements. The rugged axle housing also incorporates two wet multi-disc brakes that are housed internally for maximum protection from dirt and moisture. The slow-running brakes, which are actuated via two pneumatic cylinders, provide smoother operation, as well as more reliable braking action at high power and high transport speeds.

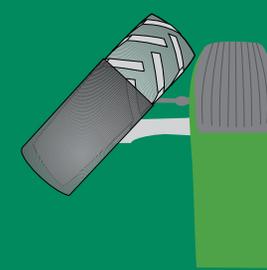
### Without VarioActive

1 turn of the steering wheel = 26.6°



### With VarioActive

1 turn of the steering wheel = 43.3°



### VarioActive steering

A stronger steering ratio can be activated with the VarioActive superimposed steering system. It adjusts to the steering movement and travel speed. Perfect for front loader work in tight yards or at the headlands.

### All-Wheel Braking

All Fendt 700 Series tractors feature integral, multi-disc brakes on the rear wheels and a disc clutch on the cardan shaft for front wheel braking. The result is four-wheel braking for shorter stops, optimum brake force distribution and full steering capability while stopping.

### Plenty of Wheel and Tread Width Choices

No two farms are exactly alike; so Fendt offers the tire, rim and ballast choices needed to meet every need. Choose from tire size combinations ranging from 42 to 54 inches on the rear rubber.

### Manual Or Automatic 4WD

Engage or disengage the differential lock and/or all-wheel-drive under full power in all conditions with the touch of the keypad. Choose permanent 4WD or automatic mode, which deactivates the 4WD at speeds greater than 12.5 mph and/or a steering angle over 25 degrees.



# Hydraulics, 3-point hitches and PTO system

*Up to 7 electro-hydraulic double-acting valves*

*3-point lift capacity of 21,120 lbs. rear and 9,740 lbs. front*

*Three front 3-point hitch options*

*Fender controls for linkage, valves and PTO*



# Hydraulics

## High-capacity hydraulics

A high-volume, variable-displacement axial piston pump supplies the precise pressure and volume needed by the steering system, front and rear 3-point hitch systems and all auxiliary remote valves. Choose from the standard 29 gpm system or the 40 gpm high-volume system.

The hydraulic system also has its own oil supply and reservoir, separate from the transmission, to ensure adequate supplies at all times; extend service intervals and ensure against transmission contamination.

## Fully adjustable remote valves

With up to seven hydraulic remote connections available, Fendt 700 Series tractors offer enough hydraulic capacity to handle virtually any job in their power class. Four electro-hydraulic, double-acting valves, backed by 26.4 gallons of available volume, are standard in the rear with the option of a fifth rear valve, plus two more in the front.

Standard equipment also includes a power beyond connection with patented pressure control and double connect-under-pressure couplings.

Using the integrated controls on the Varioterminal, the operator can adjust the flow rate for lifting, the flow rate for lowering and actuation time, in addition to locking and unlocking each remote and setting it to the free-floating position.

## Fingertip control

Experience complete command of hydraulic functions via the joystick, crossgate lever and/or armrest finger levers. Spool valve controls can be positioned in any combination to match operator preference.

# Rear 3-point hitch

## Heavyweight champion

When it comes to rear 3-point lift capacity, nobody beats the Fendt 700 Series... 21,120 pounds on the Category III hitch at the linkage. Yes, you read correctly... over 21,000 pounds. That's enough to lift even the heaviest planter or mounted implement. In addition to first-in-class lift capacity, the 700 Vario 3-point system provides:

- Simple operation and the ability to change settings at the lift control or Varioterminal
- Easy adjustment of lift height, lift and lower speed, position control, draft control, wheel slip control and wheel slip control sensitivity
- Active shock damping during transport of heavy implements
- Outside controls on both rear fenders
- Optional hydraulic lateral stabilization



### Multi-function joystick

Controls Valves 3 & 4, Variotronic<sup>CI</sup>, cruise, speed and transmission

### Crossgate lever

Controls Valves 1 & 2

### Power lift module

Controls rear linkage, comfort front linkage, PTOs



Easy assignment via the valve assignment page

## Front 3-point hitch

Fully integrated into the tractor mainframe for maximum strength and a compact profile, the front 3-point hitch offers both strength and flexibility. Double-acting cylinders provide a lift capacity of 9,740 pounds to handle heavy implements, chemical tanks... or just a 3-point-mounted ballast weight.

However, the 700 Series offers three different options on the front linkage to best fit your needs:

- Standard Power Lift: Offers single- and double-acting lift capabilities
- Comfort Power Lift: Provides double-acting lift capabilities with position control
- Comfort Power Lift With Relief Control: Provides double-acting lift, position control and a relief control that allows the hitch to float — a feature that is particularly valuable when using a front-mounted mower, snow blower, front blade, etc.

All three configurations offer close coupling; foldable and removable lower links, and shock load stabilization for maximum comfort during transport.

The ability to produce down-force pressure on the front and/or rear 3-point hitch is particularly valuable when operating certain types of tillage equipment — or for simply raising the tractor, with suitable frame support, to install or remove dual wheels.

## PTO system

### *The right speed for the job*

Standard equipment is a versatile 540/540E/1,000 system that can match virtually any need, thanks to electro-hydraulic speed selection. The 540E (economy) setting is particularly valuable for reducing fuel usage, noise and vibration when powering light loads.

- PTO-driven implements can be driven at a constant speed while varying ground speed
- Modulated and electronically controlled engagement ensures extremely smooth startup, regardless of the load
- Engine speed is adjusted automatically, as needed, upon PTO actuation
- Overload protection prevents abrupt engine stalling through the PTO
- There is only one gear step between the engine crankshaft and the PTO shaft for unparalleled PTO efficiency

### *Optional front PTO*

The integrated design of the 700 Series provides the added option of a 1,000-rpm front PTO for powering front-mounted implements.



With up to 22 hydraulic, mechanical and electrical connections at the front and rear of the unit, Fendt 700 Series models offer more versatility than any tractors in their power class. Rear connections include:

- Up to 5 double-acting control valves
- Signal socket
- ISOBUS connection
- Hydraulic top link
- Leakage oil line
- Unpressurized rear return flow
- Air brake
- Control line power beyond
- Pressure line power beyond
- Hydraulic trailer brake
- 7-pin socket
- Lower link hook end
- ABS socket
- Hitch
- Rear PTO
- Low hitch



# Fendt Loaders

*177 in. (4,500 mm) lift height*

*Hydraulic lines protected within loader arm*

*Hydraulic attachment lock and vibration dampening*



# Loaders

## Perfect for loader work

There's not a loader tractor on the market that can beat the agility and productivity of a Fendt 700 Series model. Fitted with a factory installed 5X Series Fendt loader, it functions as one perfect unit.

The integrated crossgate lever — which controls two remote hydraulic valves with a single lever — is the first hint of productivity. Consider, too, the maneuverability and traction of front-wheel-assist and the shuttle shifting capability of the Vario transmission, which can be actuated from the joystick or from the shift lever on the steering wheel adjustment lever.

## An integral fit

Specifically designed for the 700 Series, Fendt loaders feature rugged, high-tensile steel construction and a full line of interchangeable attachments. Equally important, the integral fit on the pre-installed sub-frame ensures simple mounting and removal, as well as easy access to all tractor service points.

Other unique features include:

- Automatic attachment lock
- All hydraulic lines and hoses are routed inside the frame
- Hydraulic valves and dampening are protected in the cross member
- Optimum view of the raised loader and attachment
- The valve assembly is integrated into the frame
- The standard-equipment multi-coupler allows faster loader connection and removal

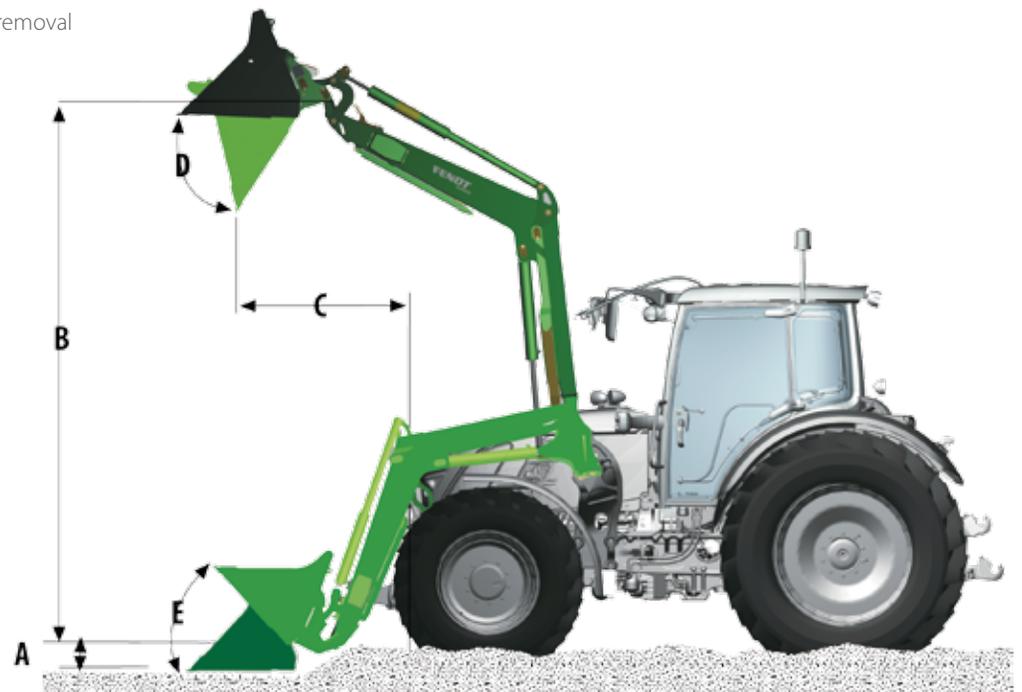


### Crossgate lever

Two control valves on the front loader can be operated precisely with just one lever. The optional comfort controls not only provide controls for a 3<sup>rd</sup> and 4<sup>th</sup> hydraulic circuit, but also the hydraulic attachment lock and the activation of the front loader damping system.

Model	5X/85	5X/90
<b>A</b> Digging depth in. (mm) <sup>1</sup>	9.8 (250)	9.8 (250)
<b>B</b> Lifting height in. (mm) <sup>1</sup>	177 (4,500)	177 (4,500)
<b>C</b> Dumping distance in. (mm) <sup>1</sup> [B = 11.4 ft. (3.5 m)]	73.6 (1,870)	73.6 (1,870)
<b>C</b> Dumping distance in. (mm) <sup>1</sup> [B = max.]	42.5 (1,080)	42.5 (1,080)
<b>D</b> Angle of emptying	55°	55°
<b>E</b> Angle of backwards tilt	48°	48°
Lift capacity over full height lbs. (daN)	5,845 (2,600)	6,632 (2,950)
Maximum lift capacity lbs. (daN)	6,744 (3,000)	7,778 (3,460)

<sup>1</sup> = varies depending on tires equipped.







# Technology

*VarioGuide satellite-assisted steering*

*Variotronic implement control*

*Fully integrated Variotermin*



# Varioterminal

Finally, somebody has put everything you need to know, along with all frequently used tractor functions, in one convenient location.

## *Touchscreen or keys*

Both the 7-inch and 10.4-inch Varioterminal offer two methods of operation. Simply touch the screen to scroll through the menu, make adjustments or access information.

You can also navigate through the menus and data without removing your gloves using the keys and rotary control on the side. Both terminals even include a handle grip for more stability when you're on the move.

- Monitor and adjust all tractor functions, including the transmission, hydraulic system, 3-point hitch, headland management system, service and diagnostics
- One, two, three or four applications can be viewed at the same time
- Monitor up to two on-board cameras
- Select quarter, half or full screen viewing
- Data and input are available in 26 different languages
- The Varioterminal includes its own graphics processor for better performance
- Automatic daylight adjustment provides optimum display brightness at all times
- 4 GB of internal memory provides fast startup and the capacity for all applications
- One USB power supply jack (for mobile phone, media player, etc.) and one small USB jack (for service) are provided

## *Variotronic implement control*

Monitor and control ISOBUS 11783-compliant implements, including balers, planters, sprayers, etc., without the need for additional monitors or control boxes in the cab. Simply "plug and play" a compatible implement for seamless operation, saving time, money and needless installations.

- Up to 12 buttons are available for control, depending on the implement
- Display on quarter, half or full screen
- Several ISOBUS implements can be operated at the same time (via screen change)
- If supported by the implement, operation can even be done by the multifunction joystick

## *VarioGuide satellite-assisted steering*

Reduce overlapping and crop input costs by an average of six percent with the Fendt VarioGuide satellite-guided

The heart of the Variotronic system, though, is the new 10.4-inch, multi-function Varioterminal. With one terminal, the operator is provided with:

Control of all tractor settings and adjustments

Monitoring and control of ISO compatible implements

Satellite-assisted steering — VarioGuide

Monitoring of up to two camera functions



auto-steering system. Using cutting-edge GPS-based technology, VarioGuide steers the tractor, without operator input, along straight, curved or circle (pivots) waylines, providing Fendt owners with a variety of benefits

- Reduced overlap helps save seed, fertilizer and pesticides for lower input costs
- Hands-free steering reduces fatigue and improves operator comfort
- Increased field operating speed for more acres per hour
- Maximizes the full width of the implement for improved efficiency and greater fuel savings
- Higher work quality through greater attention to the implement
- Greater productivity at night or in poor visibility conditions

### Fully integrated guidance

Unlike most automatic guidance systems, VarioGuide is fully integrated into the Variotronics. That means VarioGuide activation can even be added to a headland management sequence.

VarioGuide is unique in that it can gather positioning information from the entire Global Navigation Satellite System (GNSS), which includes constellations owned by the U.S. GPS; the Russian Federation (GLONASS) and the European Union (Galileo). The greater satellite availability means greater accuracy and fewer signal interruptions.

### Variotronic™ headland management

The advanced Variotronics™ Headland Management system can be used to program up to 22 consecutive functions in up to four sequences for up to 15 implements — all activated with the single push of a button on the joystick. The entire sequence, including relevant triggers and seconds to the next step, is displayed on the Varioterminal the operator can follow the process and make changes as needed.

### Unmatched flexibility

Choose from 3 levels of steering accuracy to suit your operation, ranging from the fee-free WAAS signal to the sub-inch accuracy provided by a cellular phone network.

Most importantly, as needs change, it's simple to upgrade your system and DGPS signal source to increase accuracy levels.

- |                    |                         |             |                        |
|--------------------|-------------------------|-------------|------------------------|
| • Standard System  | +/- 8" dynamic accuracy | (Sub-Meter) | +/-31" static accuracy |
| • Precision System | +/- 2" dynamic accuracy | (Decimeter) | +/-4" static accuracy  |

### On-board computer

A total of 10 memory files allows the operator to easily record fuel consumption, distance, area worked, etc. for each field and compare the effect of different driving strategies and implement settings on fuel consumption and productivity.

### Simple data management

Field data and documentation become more important every year. Fortunately, the 10.4" Varioterminal includes VarioDoc for recording relevant data with minimum of effort.

Easily recall already stored obstacles and ditches in the field.

Quickly recall stored waylines for the active field.

Adjust guidance to change the angle of work to avoid compaction.

Enter field data and information for follow-up analysis in the office.

Create job programs in the office and transfer them to the terminal for implementation.

Bluetooth capabilities permit wireless data transfer.

Record fuel consumption, distance, area worked, etc. for each field and compare the effect of different driving strategies and implement settings on fuel consumption and productivity.



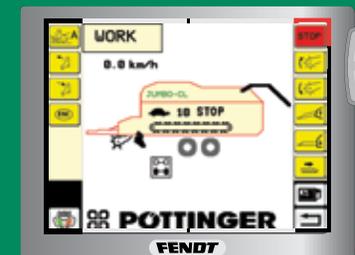
### Camera functions

The Varioterminal has two camera inputs. They can be viewed in quarter or full screen view. Operators no longer need to turn around constantly, for example, to monitor the rear implement.



### Variotronic Implement Control

ISO 11783 compliant implements can be operated with the Fendt Varioterminal. Up to 12 operating functions can be displayed in the clearly laid out full page view.





# Cab

*Nearly triple the upward angle of sight*

*3 cab suspension options*

*3 operator's seat options*

*Optional cold box*



# Cab comfort & control

Fendt owners don't think of their tractor cab as a workplace. On a Fendt, it's more like a comfort zone that doubles as a control center. The tranquility starts through the combined forces of an air-ride seat, front axle suspension, cab suspension and a low 70 dB(A) sound level inside the cab.

Yet, productivity is never compromised, thanks to Fendt's intuitive control center. New electronics and controls consolidate all functions to one terminal and move control to the operator's fingertips on the Vario armrest. Fact is, the multi-function joystick alone comfortably puts nearly a dozen different control functions in your right hand, even as the entire console moves with the seat. Naturally, the whole console can be adjusted for the most comfortable fit.

Fendt engineers made it easy to identify functions at a glance, too. All controls, including the membrane keypads on the console, are color-coded by system for quick and easy reference.

## *VisioPlus Visibility*

Think about the last time you used a tractor front-mounted loader. Remember how you had to lean forward and tip your head back to see the bucket? Remember the stiff neck at the end of the day? Well, say 'goodbye' to that frustration.

With nearly 17 square feet of glass in a special, one-piece front windshield that curves into the cab roof, the new VisioPlus cab on the Fendt 700 Series offers nearly triple the upward angle of sight. With nearly 65 square feet of glass in total, the revolutionary cab also provides an unobstructed view of the front wheels, as well as 320 degrees of horizontal visibility that encompasses the tires, crop, and front- and rear-attached implements.

## *Multiple levels of comfort*

Imagine having a choice of three cab suspension systems when most comparable tractors don't even give you cab suspension as an option:

- Four-point, mechanical system (standard) with conical bearings in the front and suspension struts at the rear
- Four-point semi-mechanical system (optional) with conical bearings in the front and pneumatic struts at the rear
- Three-point suspension (optional) with a central rocker at the front, plus front and rear gas pressure suspension struts

All three options provide integral pitch and yaw compensation and lateral stabilization to prevent bouncing and ensure maximum level-ride comfort.

In addition to your suspension choice, the 700 Series allows you to add your selection of operator seat options:

- Comfort seat (air sprung with lumbar support)
- Super Comfort seat (air sprung with seat heater, pneumatic lumbar support, low-frequency suspension)
- Super Comfort Evolution seat (air sprung with seat heater, pneumatic lumbar support, low-frequency suspension and air-conditioning)

## *Everything at hand*

In addition to complete control of the Vario CVT transmission, the Vario joystick incorporates controls for the front and rear hydraulics and PTO system so you never have to take your eyes off the field... or move your hand off the armrest. You can even activate two engine speed memory and cruise control keys without having to change controls.

Next to the joystick, you'll find the standard-equipment crossgate lever, which combines control of two remote hydraulic valves in a single lever. Even the Varioterminal, which serves as the heart of the Variotronic system, is mounted on the console.

The large external mirrors provide a clear view of large implements for visibility on the road and improved productivity in the field. To further eliminate blind spots and enhance convenience, add the wide-angle option and/or heated mirror and remote control option.

The comfortable, cushioned passenger seat can also be used as a table in the folded position.

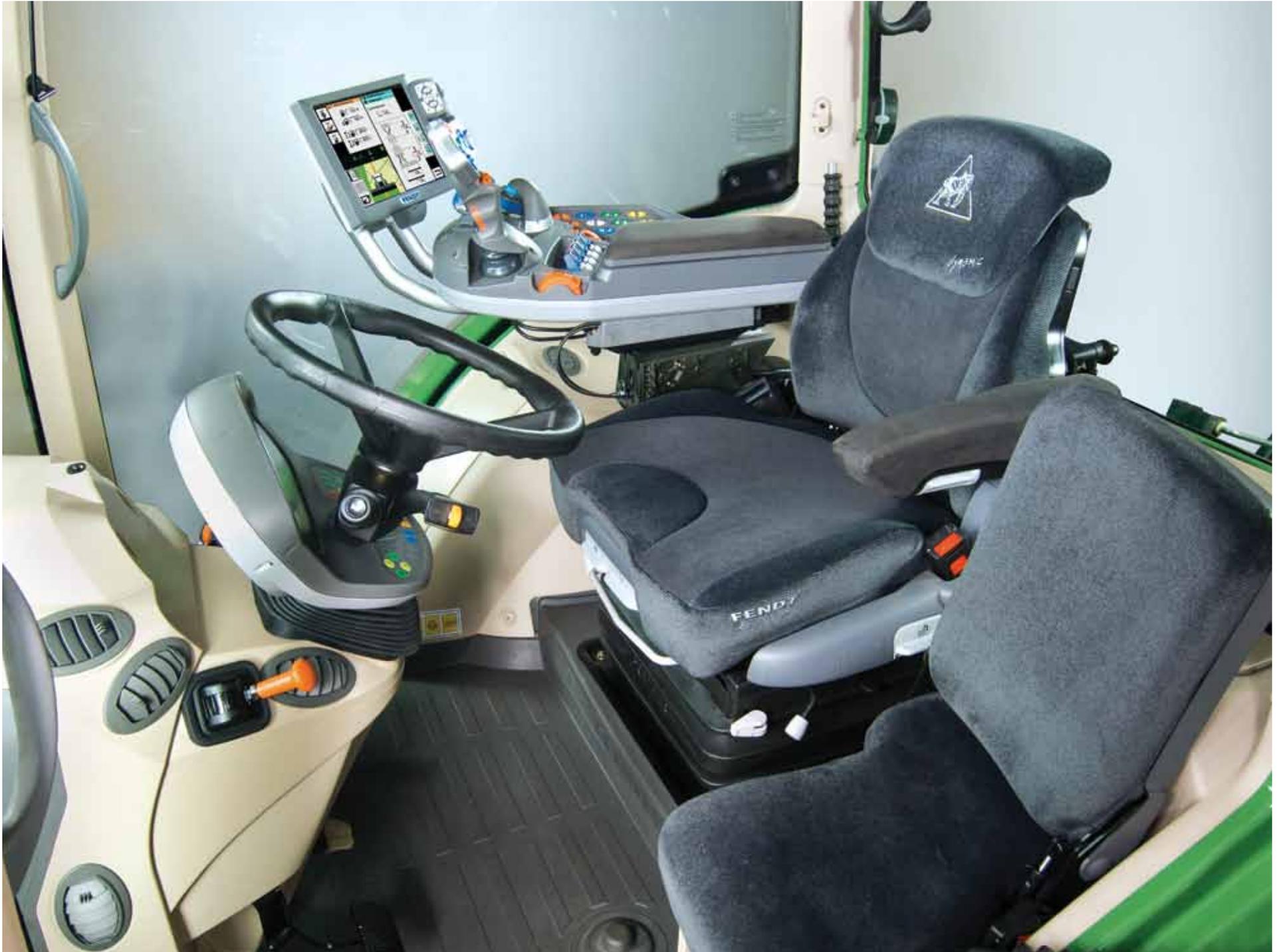
A shuttle switch on the left side of the steering column allows easy shuttle shifting, making it an ideal feature for loader work.

Six roof-mounted work lights provide plenty of nighttime visibility. For even more illumination, additional work lights on the A-pillar, roof front and rear fenders are optional, as are Xenon A-pillar and roof front lights. A touch-pad lighting control panel makes it easy to select the appropriate lights for the job.



### ***Ideal for loader work***

The upwards angle of sight has been tripled. The downwards sight lines have also been optimized, making it is easy to see into the wheel arches.





# Customer care

---

For more than eight decades, European farmers have known that a Fendt tractor purchase includes more than a rugged, efficient tractor. Today, every Fendt 700 Series tractor purchase also includes Fendt Gold Star Care, which translates into more value and more uptime with:

## ***Full Warranty Protection***

As a Fendt tractor owner, you are assured of full warranty protection, with no deductible, for 36 months or 3000 hours, whichever comes first.

## ***Full Maintenance Coverage***

For the first 36 months or 3,000 hours, Fendt will cover all scheduled maintenance, including the cost of oil, filters, belts and maintenance items.

## ***Unmatched Parts Support***

Every Fendt sale is backed by industry-leading part support at the dealership. In the event a Fendt part is not available from your dealer, it will be shipped from the nearest AGCO Parts Distribution Center or the factory by the fastest method possible.

## ***Quick And Simple Error Diagnostics***

All sensors and control elements on the Fendt 700 Series are part of the diagnostic system, so you and your dealer know immediately if there is a problem. Whether the dealer comes to the farm or takes the tractor to the shop, diagnosing a problem is as quick and simple as connecting a laptop computer to the unit.

In the meantime, you save time and money through reduced downtime and lower service fees.



# Specifications

Fendt tractors are available to order in four optional colors. See your Fendt dealer for details.

## Standard (Body / Wheels)



Fendt Green / Red

## Optional (Body / Wheels)



Jet Black / Red



Fir Green / Aluminum



Black Cherry / Aluminum



Steel Blue / Aluminum

Optional color choices come with chrome exhaust and grill, as well as a Diesellox steering wheel emblem.

	714	716	718	720	722	724
<b>Engine</b>						
Rated power (kW / hp) (ECE R24)	94 / 128	108 / 148	121 / 165	136 / 185	151 / 205	162 / 220
Max. power (kW / hp) (ECE R24)	107 / 145	121 / 165	132 / 180	147 / 200	162 / 220	176 / 240
Rated PTO power (hp)	110	130	145	165	185	195
No. of cylinders / cooling	6 / water	6 / water	6 / water	6 / water	6 / water	6 / water
Cylinder bore/stroke (mm / in.)	101/126 / 4/5	101/126 / 4/5	101/126 / 4/5	101/126 / 4/5	101/126 / 4/5	101/126 / 4/5
Cubic capacity (cm <sup>3</sup> / in. <sup>3</sup> )	6056 / 370	6056 / 370	6056 / 370	6056 / 370	6056 / 370	6056 / 370
Rated engine speed (rpm)	2100	2100	2100	2100	2100	2100
Engine speed at max. power (rpm)	1800	1800	1800	1800	1800	1800
Fuel tank (l / gal.)	400 / 105	400 / 105	400 / 105	400 / 105	400 / 105	400 / 105
DEF fluid (l / gal.)	38 / 10	38 / 10	38 / 10	38 / 10	38 / 10	38 / 10
Oil change interval (op. hrs.)	500	500	500	500	500	500
<b>Transmission &amp; PTO</b>						
Type	ML 140	ML 140	ML 180	ML 180	ML 180 HD	ML 180 HD
Speed range: Range I - field (forward / reverse)		0.02 to 28 km/h / 0.02 to 17 km/h		0.01 to 17 mph / 0.01 to 11 mph		
Range II - road (forward / reverse)		0.02 to 50 km/h / 0.02 to 33 km/h		0.01 to 31 mph / 0.01 to 21 mph		
Maximum speed (km/h / mph)	50 / 31	50 / 31	50 / 31	50 / 31	50 / 31	50 / 31
Rear PTO (rpm)			540 / 540E or 1000			
Front PTO (rpm) *)			540 or 1000			
<b>Power lift</b>						
Displacement pump (200 bar) (l/min / gal./min)	109 / 29	109 / 29	109 / 29	109 / 29	109 / 29	109 / 29
Rear power lift control	EPC	EPC	EPC	EPC	EPC	EPC
Max. auxiliary valves, (standard)	6 da <sup>2)</sup> (3 da <sup>2)</sup> )	electr. valves / crossgate lever		7 da <sup>2)</sup> (3 da <sup>2)</sup> )	electr. valves / crossgate lever	
Max. lift capacity, rear linkage on the drawbar (kg / lbs.)	9580 / 21120	9580 / 21120	9580 / 21120	9580 / 21120	9580 / 21120	9580 / 21120
Max. lift capacity, front linkage (kg / lbs.)	4418 / 9740	4418 / 9740	4418 / 9740	4418 / 9740	4418 / 9740	4418 / 9740
Implement weight / front linkage up to (kg / lbs.)	3180 / 7010	3180 / 7010	3180 / 7010	3180 / 7010	3180 / 7010	3180 / 7010
<b>Weights &amp; dimensions</b>						
Unladen weight (kg / lbs.)	7600 / 16755	7600 / 16755	7900 / 17416	7900 / 17416	7900 / 17416	7900 / 17416
Perm. overall weight (kg / lbs.)	12500 / 27557	12500 / 27557	13500 / 29762	13500 / 29762	13500 / 29762	13500 / 29762
Max. vertical hitch load with standard tires and 50 km/h (31 mph) (kg / lbs.)	2000 / 4409	2000 / 4409	2000 / 4409	2000 / 4409	2000 / 4409	2000 / 4409
Overall length (mm / in.)	5227 / 205	5227 / 205	5227 / 205	5227 / 205	5227 / 205	5240 / 206
Overall width (mm / in.)	2550 / 100	2550 / 100	2550 / 100	2550 / 100	2550 / 100	2550 / 100
Overall height (mm / in.)	3050 / 120	3050 / 120	3050 / 120	3050 / 120	3050 / 120	3050 / 120
Ground clearance (mm / in.) <sup>1)</sup>	552 / 22	552 / 22	552 / 22	552 / 22	552 / 22	552 / 22
Wheelbase (mm / in.)	2770 / 109	2770 / 109	2770 / 109	2770 / 109	2783 / 110	2783 / 110
Track width front (mm / in.) <sup>1)</sup>	1940 / 76	1940 / 76	1940 / 76	1940 / 76	1940 / 76	1940 / 76
Track width rear (mm / in.) <sup>1)</sup>	1920 / 75	1920 / 75	1920 / 75	1920 / 75	1950 / 77	1950 / 77
Min. turning circle (m / ft.)	5.5 / 18 <sup>4)</sup>	5.5 / 18 <sup>4)</sup>	5.5 / 18 <sup>4)</sup>	5.5 / 18 <sup>4)</sup>	5.5 / 18 <sup>3)</sup>	5.5 / 18 <sup>3)</sup>
<b>Electrical equipment</b>						
Starter (kW / A)	4.0 / 333	4.0 / 333	4.0 / 333	4.0 / 333	4.0 / 333	4.0 / 333
Battery (V/Ah)	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180
Alternator (V/A)	14 / 200	14 / 200	14 / 200	14 / 200	14 / 200	14 / 200

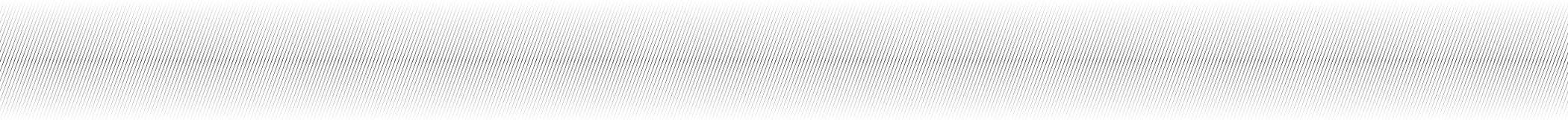
\*) = optional, 1) = with standard tires, 2) = can also be operated as single-acting, 3) = w/o steering clutch brake, with 540/65R30, 4) = w/o steering clutch brake, with 480/70R28



AGCO • 4205 River Green Parkway, Duluth, GA 30096 • Fax 770.813.6038 • [www.fendt.com](http://www.fendt.com)

AGCO may at any time, and from time to time, for technical or other necessary reasons, modify any of the data, specifications or warranty of the products described herein. Some equipment shown may be optional. Attention: Photographs in this publication may show protective shields or guards open or removed for the purposes of illustration. Be certain all shields and guards are in place during operation.

Fendt is a worldwide trademark of AGCO • © 2012 AGCO • FT12B002ST (7) 10 PD



**FENDT** 700 Series 714 | 110 pto hp • 716 | 130 pto hp • 718 | 145 pto hp • 720 | 165 pto hp • 722 | 185 pto hp • 724 | 195 pto hp