

Front loader Fendt CARGO



FENDT

An unbeatable combination – Fendt Vario with Fendt Cargo



The Fendt front loader – Fendt CARGO – offers sophisticated technology for maximum productivity. As a reliable universal implement, it is the ideal partner for all Vario tractors. The CARGO line has now been expanded to include the new 3X/65 for the lower power segment. This compact front loader is also equipped with the unique CARGO Lock coupling system and parallel guidance with Z-kinematics. Whether for everyday farming work, toughest contracting jobs or intensive municipal operations, the new Fendt CARGO proves its high performance capabilities in all applications.



Front loaders designed and built by Fendt

Cargo 3 X / 65	200 V / 300 V
Cargo 3 X / 70	300 V
Cargo 4 X / 75	300 V / 400V
Cargo 4 X / 80	400 V
Cargo 4 X / 85	700 V *
Cargo 5 X / 85	700 V / 800 V
Cargo 5 X / 90	700 V / 800 V

* up to 28" wheels

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The Cargo arm – perfectly tailored to your Vario

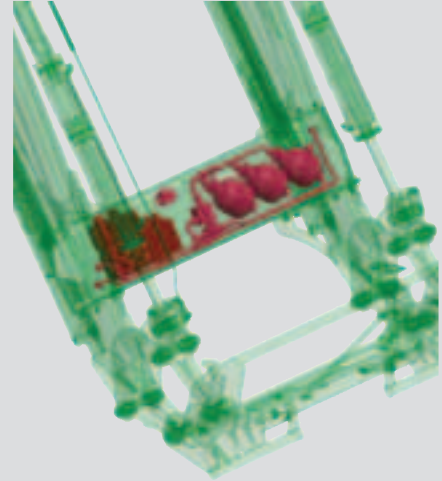
Mechanical parallel lift – compact design through Z-bar linkage



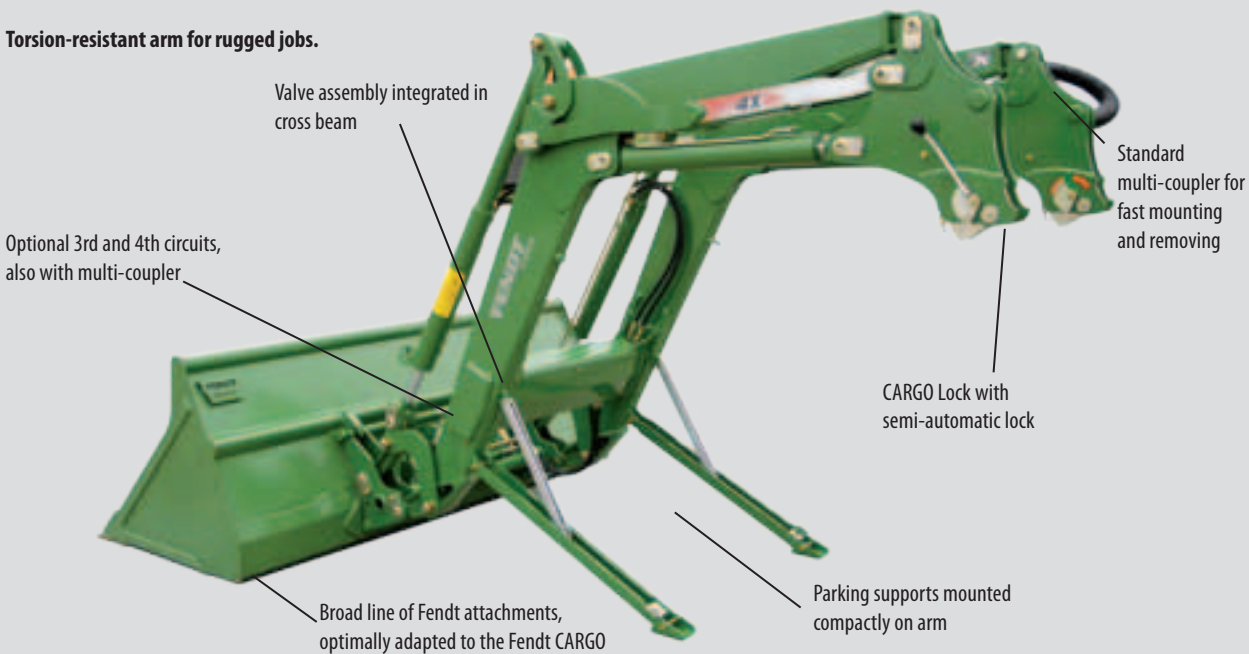
Fendt metal profiles are made of high-strength fine-grained steel with precise welded seams.



All hydraulic components are fitted in the cross beam and are therefore optimally protected from dirt and mechanical damage.



Torsion-resistant arm for rugged jobs.



The basis for all Fendt developments is high quality. A major objective during the development of the CARGO was to build a perfect unit with the tractor. The technical specifications and overall design of the tractor and front loader have been optimally adapted to each other. With the new 3X/65, Fendt now also offers you a tailor-made front loader for your 200 Vario and 300 Vario.

Z-bar linkage

The tried and tested mechanical self-levelling function in the form of Z-bar linkage is further evidence for the CARGO's perfect adaptation to all Vario tractors. It ensures the best visibility. The automatic attachment levelling feature ensures that implements are kept in the same position over the entire lifting height. You can monitor the position at all times with a tilt indicator.





- Vario and CARGO build one exceptional unit

- Perfect visibility

- Life-time design – durable

- Refined parallel lift through Z-bar linkage

- Developed using state-of-the-art 3-D CAD

Lifetime design

High-grade materials ensure durability for a long service life. High-strength fine-grained steel is the key element in the life-time design of the new Fendt CARGO and guarantees that the loader is lightweight and sturdy. The Fendt metal profile, which is welded in one continuous seam, ensures high stability and a long life. The generously sized bearing points also guarantee optimised connections and keep wear to a minimum.

Optimum technology for the Vario

The use of state-of-the-art design processes during the development of the CARGO allowed it to be tailored perfectly to the Vario tractors. The wide arms and the far forward position of the cross beam ensure optimum visibility.

Mounting and removing made easy

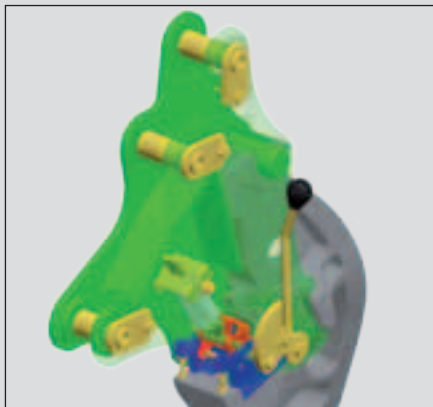
The self-adjusting parking supports are mounted compactly on the arm.



A multi-coupler connects all hydraulic and electric lines at once, even under pressure.



Fendt CARGO Lock: fast, easy mounting and removing guaranteed.



The new Fendt CARGO Lock makes mounting and removing the loader fast and easy. A multi-coupler also saves time, because it allows you to connect the electric and hydraulic lines all at once.

CARGO Lock

The semi-automatic locking system CARGO Lock does away with having to insert locking bolts, which is often difficult. This really simplifies mounting and removing. An indicator on the inside of the loader towers permits the driver to view the status of the locking system at all times from the driver seat.



- Automatic lock – CARGO Lock
- Maintenance-free mounting system
- Multi-coupler for mounting and removing the front loader is standard
- Parking supports mounted compactly on arm

Multi-coupler

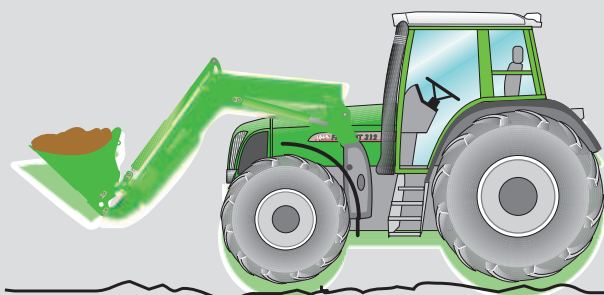
Just one hand movement is all it takes to connect the hydraulic and electric lines. With the standard-equipped multi-coupler, incorrectly connected hoses, oil contamination and high leakage losses are a thing of the past.

Disconnecting is equally easy and just as clean. Even when there is excess pressure in the loader, for example, because it was standing out in the sun, the CARGO can be coupled without problems.

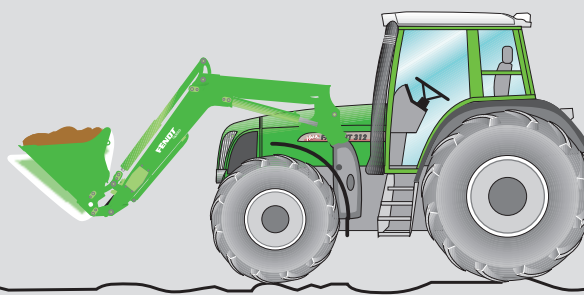
Perfect stand

The parking supports have been completely redesigned. Manual setting and adjusting is not necessary, which saves valuable working time. Bolts or cotter pins no longer need to be inserted. The self-adjusting parking supports are mounted compactly on to the arm.

Operations with maximum comfort



Front loader without damping system:
shock loads are transmitted to the tractor.



Front loader with damping system:
gas pressure reservoirs act as shock absorbers and prevent vibrations
from being transmitted to the tractor body.

The integral damping system, together with front axle suspension and
cab suspension, ensures superior ride comfort (optional).

The innovative cross beam offers many
benefits: in addition to optimising visibility and
completely protecting the hydraulic lines and
valves, it guarantees easy access for retrofitting
or service work.



The overall concept of the new Fendt CARGO front loader is designed for exceptional driving comfort. The optional damping system protects your front loader, your tractor and, most important, your health. Thanks to sophisticated detail solutions, maximum visibility also contributes to a high degree of driving comfort.

Comfortable working conditions

Gas pressure reservoirs on the front loader act as shock absorbers. Shock loads cause the hydraulic oil to press against a membrane in the gas pressure reservoir, which reduces peak loads reliably. The damping system, which lies completely protected in the cross beam, ensures exceptional suspension comfort. If precise implement control is required, the system can be switched off electrically, with a quick push of a button in the cab.



- **Maximum ride comfort through integral damping system (optional, not available for the 3X/65)**
- **Gas shock absorbers and valves lie protected in the cross beam**
- **Fast and easy access to all components**
- **Damping system is electrically engaged and disengaged from the cab**
- **Optimised visibility for all front loader work**

The combination of front loader damping, front axle suspension and cab suspension is part of a well-thought out and ideally adapted suspension design. The system guarantees excellent ride comfort and fatigue-free work in uneven terrain and at high travel speeds.

Best visibility

The Z-bar linkage permits the front window to be swung out fully at any time during front loader work (not 3X/65). A wide arm and a cross beam that is located at the far front, also contribute to the unobstructed view. The roof window in the Fendt Vario, standard on the 200 Vario, ensures even greater visibility.

Easy to use controls – maximum operating comfort for better performance



The layout of the operating elements ensures optimum ergonomics, no bothersome reaching for levers, and a Varioterminal puts all controls in view.



Fine adjustments to the valve functions can be made on the Varioterminal. For example, you can control the flow rate precisely and easily using the rotary controls and function keys.



The standard-equipped crossgate lever controls the front loader very precisely via two control valves. When working with a silage or bale grab, the third hydraulic circuit (optional) can be actuated with a push-button on the crossgate lever.

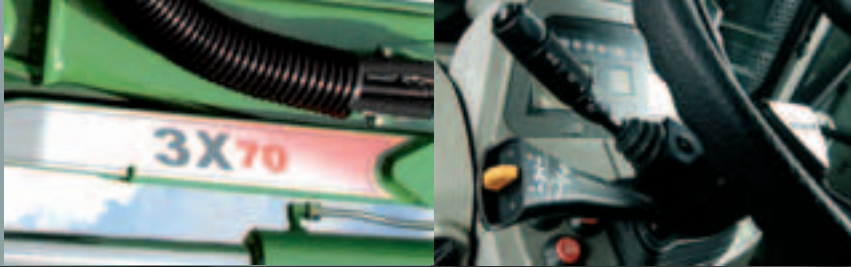


With the Cargo comfort controls, the third control circuit can be switched over to hydraulic attachment lock and the fourth control circuit to the optional damping system.

The control concept was designed for optimum operating comfort. Two control valves can be controlled very precisely with the standard crossgate lever. Reaching from one lever to another is a thing of the past. The perfect adaptation of the front loader and tractor is also evident in the integration of the operating concept in the tractor.

CARGO comfort controls

Complex implement functions can be controlled with the optional third and fourth hydraulic circuits. These are activated and controlled by push-buttons on the crossgate lever. The optional hydraulic attachment lock and the vibration damping system (optional) can be conveniently operated from the driver seat.



- Practice-oriented operating concept
- Rapid reverse
- Pedal driving mode
- Flow control
- Third and fourth hydraulic circuits (optional)



The rapid reverse function on your Vario allows you to change driving direction quickly and easily, without wear. When driving in pedal mode with TMS, both of your hands are free, allowing you to change travel direction with your left hand and control the CARGO with your right.



Hydraulic attachment lock

Maintenance – fast and easy

The bearing sleeves are made of high-grade bronze bearing material and have lubrication pockets..



The large-sized bearing points ensure play-free connections, durability and a minimum of wear.



Wheel weights are available for optimum rear ballasting. They are mounted with the proven Fendt coupling system.



Universal weights round off the ballasting system perfectly.

Since the designs of the front loader and the tractor have been specially adapted to each other from the very beginning, all maintenance work can be performed while the front loader is mounted. The front loader was designed to guarantee a very long service life through simple maintenance requirements and the use of the best materials.

Robust and durable

Maintenance and service-friendliness played an important role when developing the Fendt CARGO. The bearing points are large, which makes them exceptionally robust and guarantees maximum durability.



- Best access to all maintenance points on the tractor
- Simple and fast maintenance on the front loader
- Large-sized bearing sleeves
- Protected, easily accessible lubrication nipples

Safe and protected

All lubrication nipples have been located so that they do not protrude and are therefore well-protected. Additionally, all maintenance points are fast and easy to reach.

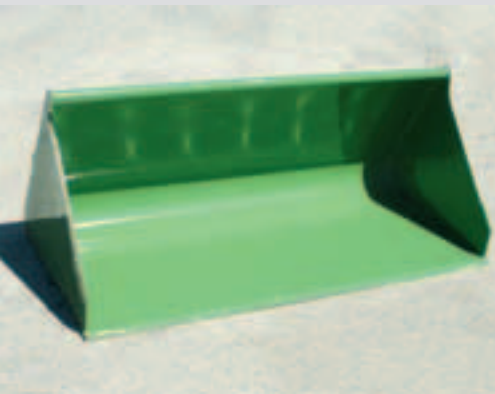
Excellent accessibility

While the front loader is mounted, all retrofitting and service work can be performed without trouble on the CARGO itself as well as the tractor. Even access to maintenance points, such as the oil and air filter or the radiator, is guaranteed when the front loader is mounted.



Original Fendt attachments

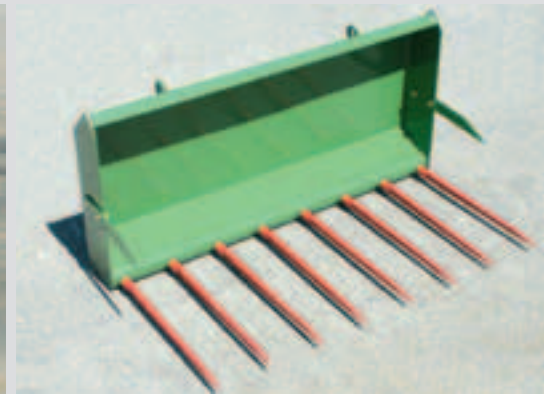
The light material bucket is available in the widths 1850 mm (0.976 m³ flush volume) and 2400 mm (1.265 m³ flush volume)



The universal bucket is available in four different sizes: 1600 mm wide (0.538 m³ flush volume), 1850 mm wide (0.622 m³ flush volume), 2100 mm wide (0.706 m³ flush volume) and 2400 mm wide (0.807 m³).



The manure fork is available in 1500 mm and 2100 mm widths.



The heavy-duty bucket is available in the widths 1600 mm (0.512 m³ flush volume) and 2100 mm (0.672 m³ flush volume)



The silage bucket is available in two sizes: 1800 mm wide (1.00 m³ flush volume) and 2200 mm (1.25 m³ flush volume).

The original Fendt attachments according to ISO standard are perfectly adapted to the Fendt CARGO. Used together, you get the highest possible load capacity. A 55° dumping angle permits complete emptying of the attachment, and the 48° backward tilt complete filling. With the hydraulic attachment lock (optional), attachments can be changed without having to climb out of the tractor.



The bale grab is 1300 mm wide. It is designed for bales with an outer diameter from 900 mm to 1900 mm.

The big bale fork has three tines and is 1500 mm wide.

The pallet fork is designed for loads up to 1500 kg.



The standard-equipped semi-automatic attachment lock is operated with a single lever.

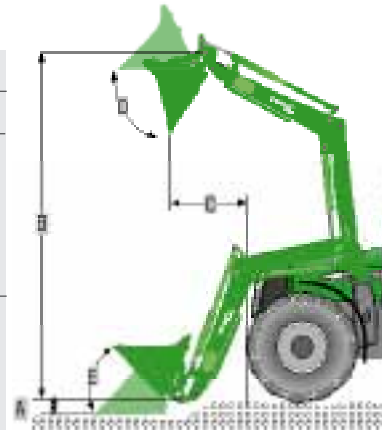


The optional third and fourth hydraulic circuit for attachment actuation can also be fitted with multi-couplers upon request.

Technical specifications



Front loader model		3X/65	3X/70	4X/75	4X/80	4X/85 ²⁾	5X/85	5X/90
Range								
200 V	Lift capacity over full height daN	1680	-	-	-	-	-	-
	Max lift capacity daN	1850	-	-	-	-	-	-
	Lifting height mm ¹⁾	3740	-	-	-	-	-	-
	Digging depth mm ¹⁾	210	-	-	-	-	-	-
	Dumping distance (max. height) ¹⁾	860	-	-	-	-	-	-
	Dumping distance (3.5 m height) ¹⁾	1170	-	-	-	-	-	-
300 V	Lift capacity over full height daN	1680	2000	1940	-	-	-	-
	Max lift capacity daN	1850	2190	2250	-	-	-	-
	Lifting height mm ¹⁾	3850	3900	4050	-	-	-	-
	Digging depth mm ¹⁾	110	60	225	-	-	-	-
	Dumping distance (max. height) ¹⁾	930	1030	1260	-	-	-	-
	Dumping distance (3.5 m height) ¹⁾	1350	1450	1780	-	-	-	-
400 V	Lift capacity over full height daN	-	-	1940	2260	-	-	-
	Max lift capacity daN	-	-	2250	2620	-	-	-
	Lifting height mm ¹⁾	-	-	4125	4125	-	-	-
	Digging depth mm ¹⁾	-	-	180	180	-	-	-
	Dumping distance (max. height) ¹⁾	-	-	1210	1210	-	-	-
	Dumping distance (3.5 m height) ¹⁾	-	-	1750	1750	-	-	-
700 V	Lift capacity over full height daN	-	-	-	-	2600	2600	2950
	Max lift capacity daN	-	-	-	-	3000	3000	3460
	Lifting height mm ¹⁾	-	-	-	-	4150	4460	4460
	Digging depth mm ¹⁾	-	-	-	-	130	250	250
	Dumping distance (max. height) ¹⁾	-	-	-	-	980	1080	1080
	Dumping distance (3.5 m height) ¹⁾	-	-	-	-	1610	1910	1910
800 V	Lift capacity over full height daN	-	-	-	-	-	2600	2950
	Max lift capacity daN	-	-	-	-	-	3000	3460
	Lifting height mm ¹⁾	-	-	-	-	-	4500	4500
	Digging depth mm ¹⁾	-	-	-	-	-	250	250
	Dumping distance (max. height) ¹⁾	-	-	-	-	-	1080	1080
	Dumping distance (3.5 m height) ¹⁾	-	-	-	-	-	1870	1870



- A Digging depth (mm)
- B Lifting height (mm)
- C Dumping distance (mm)
- D Angle of emptying 55°
- E Angle of backwards tilt 48°

¹⁾ depends on tyres 1 daN = 10 N = approx.1 kg

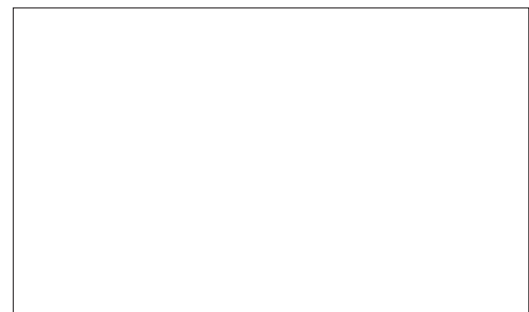
²⁾ 4X85 only up to 28 inch front tyres

Front loader model	3X / 65	3X/70	4X / 75	4X / 80	4X / 85	5X / 85	5X / 90
Equipment							
Lifting cylinder da	■	■	■	■	■	■	■
Quick-attach frame	■	■	■	■	■	■	■
Manual implement lock	■	■	■	■	■	■	■
Synchronous tipping cylinder	-	-	■	■	■	■	■
Mechanical parallel lift	■	■	■	■	■	■	■
Front guard	■	■	■	■	■	■	■
Level indicator	■	■	■	■	■	■	■
Damping system da	-	-	□	□	□	□	□
Pipe rupture safety feature ²⁾	■	■	■	■	■	■	■
Lowering throttle valve	■	■	■	■	■	■	■
Load holding valve	■	■	■	■	■	■	■
Multi-coupler front loader	■	■	■	■	■	■	■
Hydraulic attachment lock	-	-	□	□	□	□	□
3rd & 4th hydraulic circuit	□	□	□	□	□	□	□
Multi-coupler for 3rd & 4th circuit	□	□	□	□	□	□	□
Tractor equipment							
Crossgate lever	■	■	■	■	■	■	■
Front window swings out fully	-	-	■	■	■	■	■
3rd & 4th control circuit	□	□	□	□	□	□	□
Multi-coupler	□	□	□	□	□	□	□

■ = standard / □ = optional / - = not avail. ²⁾ not applicable if damping system is installed

All data regarding delivery, appearance, performance, dimensions and weight, fuel consumption and running costs of the vehicles correspond with the latest information available at the time of going to press. Changes may be made before the time of purchase. Your Fendt dealer will be pleased to supply you with up-to-date information.

Sales Agent:



CARGO/1.1-EN/10-10/6-Ro