

# the Great MONTINI



**Reliability,  
autonomy,  
power,  
performance  
and safety.**



**Presenting  
the great lift  
trucks with  
capacities  
from 4,000  
to 12,000 kg.**



# **MONTINI**

**ELECTRIC FORKLIFT TRUCKS**

<https://forklift-manuals.jimdofree.com>

**FOR LARGE LOADS AT  
SMALL COSTS YOU  
NEED THE GREAT  
MONTINI.**

MONTINI produces a wide range of high capacity - completely electrically powered - lift trucks with advanced technology. This combination of innovative technology and clean power drastically lowers maintenance and management costs as well as eliminating polluting emissions and respecting environmental quality.

**4000 -A CE**

**5000 -A CE**

**5000CU -A CE**

**5500CU -A CE**

**4800 -H CE**

**4800GA -H CE**

**5500GA -H CE**

**7000 -H CE**

**7000GA -H CE**

**8500 -H CE**

**8500GA -H CE**

**10000 -H CE**

**10000GA -H CE**

**12000 -H CE**

**12000GA -H CE**



**Load capacity of 4,000 kg at 500 mm load centre**

**Load capacity of 5,000 kg at 600 mm load centre**

**Load capacity of 5,000 kg at 500 mm load centre**

**Load capacity of 5,500 kg at 600 mm load centre**

**Load capacity of 4,800 kg at 500 mm load centre**

**Load capacity of 4,800 kg at 500 mm load centre**

**Load capacity of 5,500 kg at 600 mm load centre**

**Load capacity of 7,000 kg at 600 mm load centre**

**Load capacity of 7,000 kg at 600 mm load centre**

**Load capacity of 8,500 kg at 600 mm load centre**

**Load capacity of 8,500 kg at 600 mm load centre**

**Load capacity of 10,000 kg at 600 mm load centre**

**Load capacity of 10,000 kg at 600 mm load centre**

**Load capacity of 12,000 kg at 600 mm load centre**

**Load capacity of 12,000 kg at 600 mm load centre**

## GREAT SAFETY AND GREAT COMFORT. THE GREAT MONTINI.

The MONTINI great electric lift trucks move loads from 4,000 to 12,000 kg in complete safety.

The technology employed ensures that they are reliable and always ready for work. The ergonomics applied offers operators great safety in any situation.

This is the result of the great attention MONTINI pays to each particular detail, designed on the basis of the strictest national and international lift truck safety regulations.

Once constructed, the lift trucks are subject to rigorous testing in order to ensure maximum safety at work and the durability in time of both electronic and mechanical parts.

This is why each MONTINI lift truck is equipped with a certificate attesting its compliance with the requirements of the **Machinery Directive 98/37/EC**.

Furthermore, MONTINI carries out electromagnetic compatibility tests on its lift trucks, in accordance with the **Electromagnetic**

**Compatibility Directive 89/336/EEC**.



The MONTINI large capacity lift trucks undergo as well the impact testing of the overhead guards (also known as "**Oregon Test**").

The test consists in dropping from a certain height, a load of a given weight on the overhead guard in order to test its safety requirements.



**THE GREAT MONTINI  
ARE REALLY GREAT.  
THEIR LOAD CAPACITIES  
RANGE FROM 4,000 TO  
5,500 KG EVEN WITH  
CUSHION TYRES.**

**4000 -A CE  
5000 -A CE  
5000CU -A CE  
5500CU -A CE**



The lift trucks are silent and gentle in every working situation. With no effort, they lift and transport loads from 4,000 to 5,500 kg. The lift trucks can work in small spaces (with limited turning radius from 2,377 to 2,424 mm) and with an elevated load capacity.

**Everything under  
control. Even from a  
great height.**

Thanks to its electronic control with microprocessor, which controls the lifting, MONTINI lift truck can now be customized according to the working needs: from slow and gradual to quick, maintaining a constant machine power.

The lifting unit's wide visibility prevents the operator from making mistakes while handling the load. Free lift cylinders are equipped as standard with a hydraulic shock absorber to ensure elasticity and silence while lifting.

The choice of producing wide sections, together with a very accurate control of the clearance between bearings and mast, work to ensure maximum firmness and

stability for the lifting unit.

Large diameter bearings on sliding sections create a high level of shock absorbance, thereby ensuring excellent reliability, even in the most demanding conditions.



**Smoothly. Without jolts.  
For a long, really,  
very long, time.**



The traction system has been designed with particular care. A differential with two epicyclic reduction units on driving wheels, in fact, allows enhanced space for the whole of the drive and a more compact mast-truck system. The drive is controlled by a logic microprocessor, which allows performing millimetric movements without jolts, thus preventing all possibilities of error. The advantage of the microprocessor controlled system is to ensure greater energy recovery, thus enhancing the lift truck's autonomy of operation.



**Operators will not want to stop working.**

The operator seat ensures excellent psycho-physical accommodation for the operator thanks to the comfortable seat - supplied as standard with safety belts - which can be adjusted according to height and weight. The controls, arranged in a logical manner, give maximum safety to the operations. The hydraulic power steering motor is trouble-free and easy to operate on any type of surface; the lift truck reaches the maximum steering angle in only four steering-wheel turns. The operator's climb up to the operator seat is easy and safe with the optimum positioning of the step.



An elegant dashboard with an adjustable steering-wheel contains the **MONTINI Check Control Memory**. This device allows the operator to monitor the lift truck functions at any time and in any working condition by means of the service indicators and messages shown on the alphanumeric display. The lift truck may be fitted on request with a car-style pedal board with manual reverse switch below the steering-wheel.

The overhead guard is in arc-welded steel and already set for the assembly of lights and rotating light. The following optional equipment can be mounted on the lift truck upon request:

- complete cab (including thermal windows);
- cab heating system;
- front window with wind-screen wiper;
- openable rear window with wind-screen wiper;
- side doors in PVC;
- Lexan sheet on the overhead guard.



**Choose it as you want it. As long as it has tyres.**

The 4000 -A CE and 5000 -A CE models are available with cushion, super-elastic or pneumatic, single or dual-mounted tyres. The models 5000CU -A CE and 5500CU -A CE are only equipped with CUSHION tyres in order to guarantee 5,000 and 5,500 kg load capacities at 600 mm load centre.



**THE GREAT MONTINI  
ARE UNBEATABLE.  
LOAD CAPACITY FROM  
4,800 TO 5,500 KG  
IN HIGH FREQUENCY.**

**4800 -H CE  
4800GA -H CE  
5500GA -H CE**



Greater safety, easier work, less management costs.

MONTINI electrical lift trucks with load capacity from 4,800 to 5,500 kg can be summed up in just a few words.



**Loaded or unloaded,  
it is easier  
to manoeuvre.**

The lifting unit's wide visibility prevents the operator from making mistakes while handling the load.

The choice of producing wide sections, together with a very accurate control of the clearance between bearings and mast, work to ensure maximum firmness and stability for the lifting unit.

Large diameter bearings on sliding sections create a high level of shock absorbance, thereby ensuring excellent reliability, even in the most demanding conditions.

**As wear decreases,  
savings increase.**

The lift truck is equipped with an electronic traction and lifting system with microprocessor logic.

An electric braking system with power recovery when the travel pedal is released and a high frequency operation with Mosfet technology are available as well.

The advantages of this technology are:

- reduced consumption of electric power;
- reduced brush wear;
- reduced wear of the brake lining;
- improved performance;
- great lift truck manoeuvrability.



**Check Control  
Maintenance.**



The following controls can be seen on the lift truck using the "Check Control Maintenance" standard device:

- electronic system temperature;
- motor temperature;
- wear of the electric motor brushes;
- wear of the brake lining;
- pressure on the hydraulic system suction and discharge filters.

The system is also equipped with a control system that monitors the battery charge with the possibility of inserting a lifting stop when the battery is 80% uncharged.



## More than a guard, a shield.

A rigid monobloc guard, mounted on "silent block" rubber supports (to muffle noise and vibrations), protects the driver from any danger, both in case of object falling and lift truck roll-over.

The overhead guard is already set for the assembly of a complete glass panelling without changing or replacing the existing frame.



The independent monobloc type cab ensures acoustic and thermal insulation.

A heating system can also be supplied as an optional, upon request.

The traction motor compartment may be controlled easily since the operator seat can be opened by 90° allowing the entire hydraulic system and traction motor to be inspected. The lift truck can also be supplied in the colour personally requested by the customer.

## Works more than its master.

The 4800 and 5500 models are also supplied in the GA version (Grande Autonomia); that is with high capacity Amp/h batteries, 80V/1280Ah, to work more and longer. The enhanced autonomy of these lift trucks with a single battery charge, allows performing continuous work cycles up to a maximum of 12 hours.

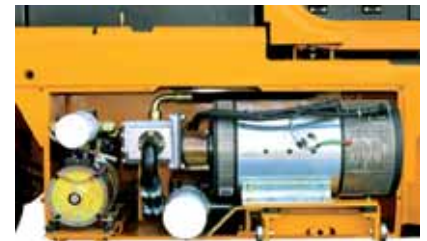
## A project built on safety and efficiency.

The battery unit is positioned on the rear part of the lift truck and may be easily removed since it is completely independent from the operator seat.

This prevents battery fumes from entering the cab.

The battery cover is an integral part of the box, since it is fastened to the box itself.

To remove the battery just open part of the cover - precisely, where the relative hooking points are set.



## Everything within reach.

Two compartments on the left and right side of the lift truck respectively contain the electronic system, the lifting motor and the hydraulic power steering motor. The compartment containing the lifting and the hydraulic power steering motors is extractable and can be drawn out on roll guides to simplify scheduled maintenance operations.

**THE GREAT MONTINI  
CARRY EVERYTHING.  
ESPECIALLY SUCCESS.  
LOAD CAPACITY  
FROM 7,000 TO 12,000 KG  
IN HIGH FREQUENCY.**

**7000 -H CE  
7000GA -H CE  
8500 -H CE  
8500GA -H CE  
10000 -H CE  
10000GA -H CE  
12000 -H CE  
12000GA -H CE**



Maximum performance with maximum loads.

Only the great MONTINI are so effective.

### **More than a cab, an armour.**

The independent monobloc type cab ensures acoustic and thermal insulation.

In addition, it protects the driver from any danger, both in case of object falling and lift truck roll-over.

The overhead guard is already set to be fitted with glass panelling, which can be supplied upon request at the first delivery or subsequently.

### **Minimum effort, maximum safety.**

The service brake, powered by the hydraulic system of the hydraulic power steering motor, allows the operator to use the brake pedal with minimum effort. The system ensures the lift truck braking even in total absence of electric current.

The parking brake is hydraulic and is automatically inserted when the operator exits the cab.





## **Always adjustable. Always safe.**

The hydraulic power steering motor with double displacement simplifies manual steering in an emergency situation, even in case of failure of the motor pump.

## **Silence and safety will envelop you.**

The cab is secured to the frame with 4 rubber "Silent Block" shock absorbers which reduce noise and vibrations.

The seat is supplied as standard with armrests, safety belt and increased suspension.



The operator seat can be opened by 90° to simplify the access to the traction motor and hydraulic system. A heating system, which consists of a demisting kit with air circulation for the front window and a defrosting system with electric heating elements for the rear window, can also be supplied upon request.

## **Heating system.**

A heating system can also be supplied upon request and mounted in the front part of the lift truck.

## **Handier while working, cheaper while managing.**

The lift truck is equipped with an electronic traction and lifting system with microprocessor logic.

An electric braking system with power recovery when the travel pedal is released and a high frequency operation with Mosfet technology are available as well.

The advantages of this technology are:

- reduced consumption of electric power;
- reduced brush wear;
- reduced wear of the brake lining;
- improved performance;
- great lift truck manoeuvrability.



## **Everything will be under control.**

Using a logical unit with microprocessor, it is possible to monitor all the lift truck operations.

The following controls are displayed on the lift truck using the "Check Control Maintenance" standard device:

- electronic system temperature;
- motor temperature;
- wear of the electric motor brushes;
- wear of the brake lining;
- pressure on the hydraulic system suction and discharge filters.

The system is also equipped with a battery charge control with the possibility of inserting a lifting stop when the battery is 80% uncharged.

## **Stop. Saying it takes longer than pressing it.**

An emergency stop button is found inside the cab.





**Safe, stable,  
silent.  
Yes, MONTINI  
always goes  
the extra step.**

The choice of producing wide sections (profiles from 8 tons and 10 tons) together with a very accurate control of the clearance between bearings and mast, work to ensure maximum firmness and stability of the lifting unit.

The lifting unit's wide visibility prevents the operator from making mistakes while handling the load.

The large diameter bearings on sliding sections create a high level of shock absorbance, thereby ensuring excellent reliability, even in the most demanding conditions.



The free lift cylinders are equipped as standard with a hydraulic shock absorber to ensure elasticity and silence while lifting.

The carriage is equipped with a series of 6 bearings.

The tilt cylinders are mounted with ball joints with grease nipples on both anchoring points to make the system less rigid and avoid the risk of leaks onto the cylinder rod.

The lift truck is equipped with a hydraulic accumulator on the lifting cylinders to absorb shocks.



**It may be easily removed and replaced with a charged one. What is it?**

The battery unit is positioned on the rear part of the lift truck and may be easily removed since it is completely independent from the operator seat. The battery cover is an integral part of the box, given that it is fastened to the box itself and is equipped with an electrohydraulic system. The battery is placed in two easily extractable boxes so that time is not wasted during the battery replacement when the lift truck is employed for double work shifts.



**A charged battery lasts for 14 uninterrupted working hours.**

The models 7000, 8500, 10000 and 12000 are all also supplied in the GA version (Grande Autonomia); that is with a high capacity Amp/h battery - 96V/1550Ah for 7000GA, 96V/1920Ah for 8500GA, 10000GA and 12000GA - to work more and with greater autonomy. The enhanced autonomy of these lift trucks with a single battery charge, allows performing continuous working cycles up to a maximum of 14 hours.

**Brake often. There is little maintenance anyway.**

The 10000 and 12000 models are equipped with oil-bathed multi-disc brakes to ensure less maintenance.

**Less maintenance, more work.**

The rear steel axle contains a double acting cylinder with a single non-adjustable connecting-rod to avoid scheduled maintenance or registration.

The axle is mounted on two ball joints to enhance the removal.

Furthermore, the grease nipples on the rear axle are equipped with an automatic lubrication system (optional).

This optional system is also found on the mast plugs and on the tilt function plugs.





## Living and working better with optionals.

The lift truck's multifunction wiring system allows it to be connected to the following optional devices at any time:

- rotating light;
- direction indicators;
- buzzer (acoustic alarm when reversing);
- road lights;
- front and rear work lights.

## The fuses are there, at your fingertips.

A car-style fuse carrier unit is found inside the cab behind the operator seat for easy access and consultation.

## What is not on the right is on the left.

Two compartments on the left and right side of the lift truck respectively contain the electronic system, the lifting motor and the hydraulic power steering motor.

The compartments are easily extractable since they are positioned on sliding guide roll plates in order to simplify scheduled maintenance operations.

A cooling system powers the ventilation of the electronic system underneath the finned aluminium plate.





# THE GREAT MONTINI OFFER ALWAYS GREAT SOLUTIONS.



# **MONTINI**

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