



# MONTINI

SPECIAL ELECTRIC FORKLIFT TRUCKS



NEW 80V FORKLIFT TRUCKS WITH LOAD CAPACITIES FROM  
**4500 KG TO 5500 KG**, SPECIAL **COMPACT** VERSION

**MR 4.5 COMPACT - MR 5.0 COMPACT**  
**MR 5.0/600 COMPACT - MR 5.5/600 COMPACT**

# NEW COMPACT FORKLIFTS FROM 4500 TO 5500 KG MAXIMUM EFFICIENCY IN A COMPACT DESIGN

MONTINI's leadership lies in designing and building a wide range of special electric forklift trucks with lifting capacities from 1000 kg to 18000 kg. Incorporating **advanced technologies**, they meet the most varied and complex handling requirements in the field of logistics.

MONTINI has expanded its range of **heavy-duty** counterbalanced electric forklift trucks with four new special **80V** models for handling loads **from 4500 kg (with a load centre of 500 mm) to 5500 kg (with a load centre of 600 mm)** designed to operate efficiently in **confined spaces**.

- **MR 4.5 COMPACT**
- **MR 5.0 COMPACT**
- **MR 5.0/600 COMPACT**
- **MR 5.5/600 COMPACT**

These vehicles represent the perfect choice for anyone looking for a **green, ecological, and quiet forklift**, with zero CO<sub>2</sub> emissions, while also reducing energy and maintenance costs.



# ALTERNATING CURRENT (AC) TWIN-MOTOR BETTER PERFORMANCE, GREATER AUTONOMY

The **twin-motor traction**, with innovative **80V alternating current (AC) technology with inverter** and **CAN bus communications**, guarantees:

- high efficiency and low energy consumption;
- excellent functionality of the electronic system;
- longer battery autonomy, thanks to the excellent performance of the electric motors;
- no polluting emissions released into the atmosphere, respecting the quality of the environment.

# MONTINI SUPER STEERING

## STEERING WHERE YOU NEVER THOUGHT POSSIBLE

The highly manoeuvrable and compact **MONTINI MR COMPACT** forklifts, with load capacities from **4500 kg to 5500 kg**, have been designed specifically for **use in demanding and heavy-duty load handling applications**, for warehouse storage and indoor transport operations in tight spaces. They are equipped, as standard, with **MONTINI Super Steering**, a rear axle that steers up to 101 degrees, allowing them to **work and move in confined and narrow spaces**, giving the operator maximum manoeuvrability and the best driving experience, without ever compromising productivity.

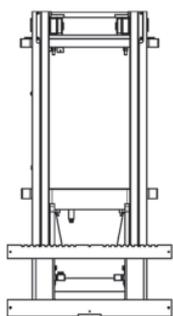


# MASTS

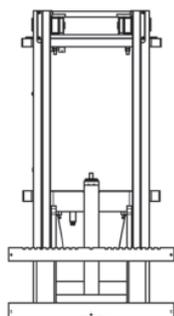
## GREAT STRENGTH AND LOAD CAPACITY

In order to effectively meet market demands, MONTINI equips these forklifts with a **wide range of masts**, designed and produced exclusively by MONTINI and available in DX (Duplex) and TX (Triplex) versions with total visibility (T.V.) and total free lift (T.F.L.), to meet the most varied working needs while offering a safe and strong load capacity.

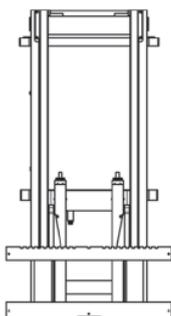
**Customized mast solutions** for reliably handling heavy loads, tailored to meet the user's specific production needs.



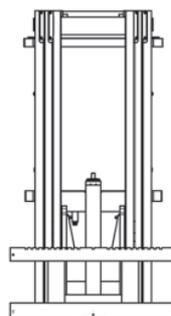
DX VT



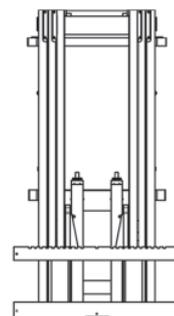
DX ALT  
(1 cylinder)



DX ALT  
(2 cylinders)



TX ALT  
(1 cylinder)



TX ALT  
(2 cylinders)

Mast configurations with **specific additional equipments** for every need.



# HIGH BATTERY AUTONOMY FOR LONG WORK SHIFTS

The **80V batteries** installed in the MONTINI MR COMPACT forklifts, with load capacities ranging from 4500 kg to 5500 kg, guarantee maximum autonomy, ensuring reliable performance throughout long work shifts.

These forklifts can be equipped with either proven, **high-capacity traditional lead-acid batteries** or modern **lithium-ion batteries** for tackling even the most demanding applications.

The **battery is charged in direct mode**, using the easily accessible connector protected by a convenient cover flap, as with electric cars.



The **lithium-ion batteries** offer higher performance and are more efficient and versatile than their conventional lead-acid counterparts:

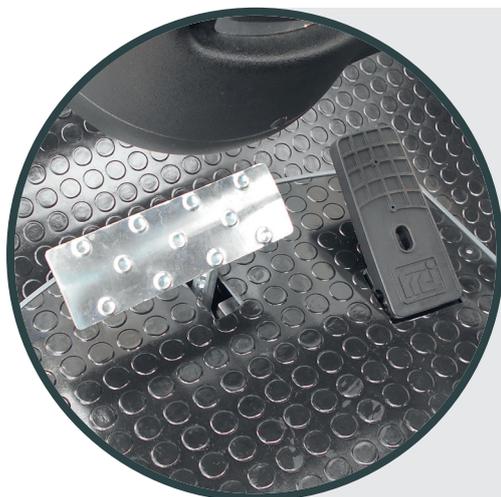
- **maintenance-free;**
- **no gas emissions;**
- **fast recharging in just a few hours**, so forklifts can quickly be recharged during periods when the truck is not in use or during work breaks, thus ensuring energy efficiency and operational continuity;
- no dedicated forklift charging room required, resulting in **savings in terms of space and operating costs.**



# PEDAL BOARDS

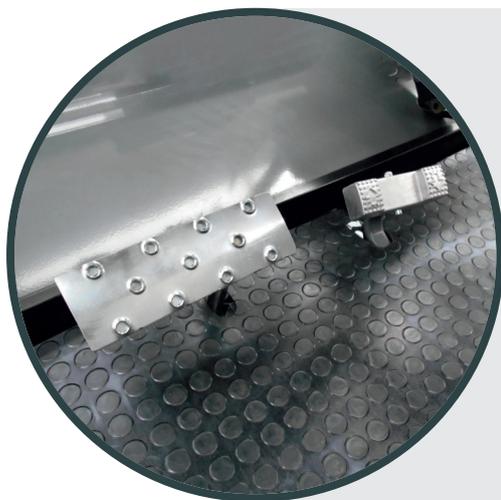
## STANDARD OR OPTIONAL

With a view to customizing forklift trucks in order to meet operator needs, MONTINI offers different types of **pedal boards**, available as standard or as an optional.



### STANDARD

Standard, large and spacious pedal board with a single drive pedal (forward/reverse direction buttons on the joystick) and large brake pedal.



### OPTIONAL

As an optional, a pedal board with a rocker-type forward/reverse pedal and large brake pedal is available.



### OPTIONAL

For the comfort and efficiency of the operator, a foot control area with two drive pedals (forward and reverse) and a central brake pedal can also be supplied as an optional.

# PRECISION AND PERFORMANCE

## THANKS TO THE LOAD HANDLING CONTROLS

These forklift trucks can be equipped at choice with different **load handling controls**, to ensure maximum efficiency and productivity, not to mention exceptional driving comfort.

The intuitive and ergonomic handling control with **joystick** allows the operator to activate all the hydraulic functions of the lift truck using a single control lever. Maximum productivity thanks to the use of two simultaneous operating functions of the lifting unit.



The simple to use and easily accessible handling control with **fingertips** (mini-levers) is installed in an ergonomic and adjustable armrest. Simply operate the fingertip controls gently for agile, precise and safe handling.



The handling control with **pilot levers** (mini-joysticks) makes driving the forklift truck easy and reliable. Easily accessible and simple to use, it is installed in an ergonomic and adjustable armrest to guarantee comfortable driving positions.



# FOCUS ON COMFORT

## THANKS TO THE ERGONOMIC CAB AND OPERATOR'S SEAT

The potential of these new models - featuring **high levels of performance** and a **compact and innovative design** created by MONTINI through investments in innovation and technology to **ensure compactness and manoeuvrability in confined spaces** - is also reflected in the complete comfort they offer to operators.

The comfortable and spacious cab, easily accessible thanks to the convenient, well designed steps, is mounted on **special antivibration mounts (silent blocks)** designed to reduce vibrations and noise inside the cab.

This provides additional comfort, facilitates the operator in his daily work, and ensures greater control and consistent precision.

- **Large and comfortable cab.**
- **All-glass cab (optional), resistant to impact and accidentally dropped loads.**
- **Compact and exclusive design.**



In order to improve visibility, operator comfort and safety, the **driver's cab** has been designed with **all-glass (optional)** to ensure an all-round view, thanks to the large windshield that extends from the front to the rear passing over the roof.

# DRIVING COMFORT

## FOR THE BENEFIT OF THE OPERATOR

The operator's seat has been optimized to ensure maximum comfort and manoeuvrability. The ergonomically designed **seats** (Grammer seats in PVC and fabric, with mechanical or pneumatic adjustment) provide outstanding support for fatigue-free operation, while effectively absorbing vibrations and shocks inside the cab to prevent them from being transmitted to the operator.

The seats can be fitted with optional backrest extension, armrests, and heating.



The **wide range of optional extras** (including lights, indicators and mirrors) means these forklifts can be customized to suit all needs based on the workplace and operational requirements.

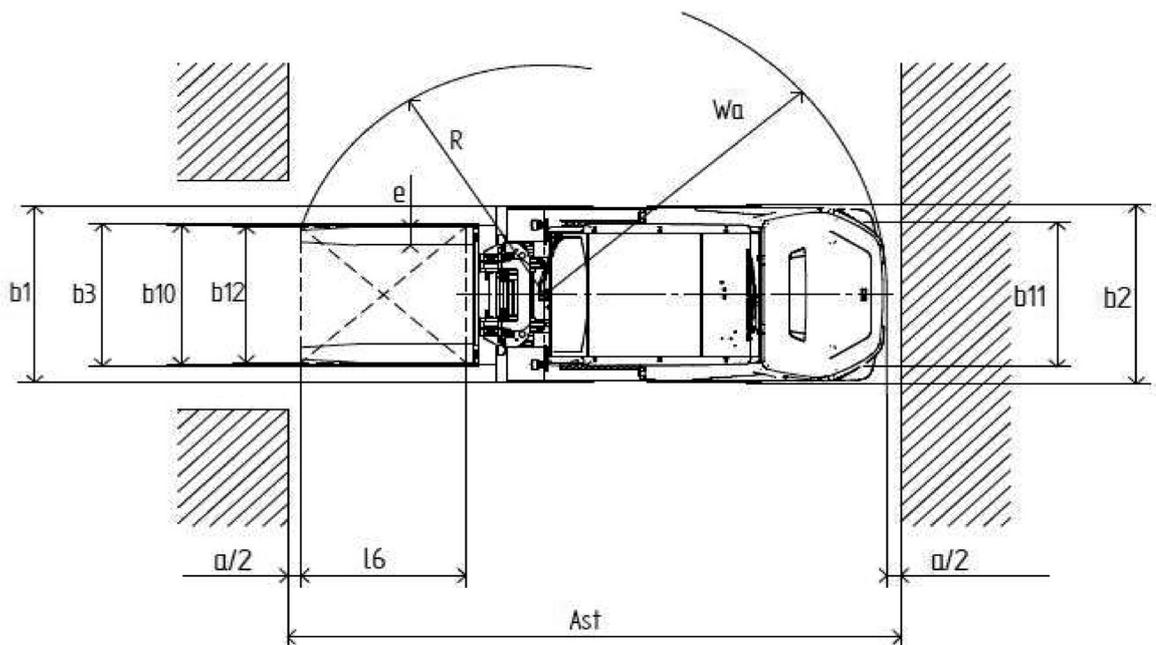
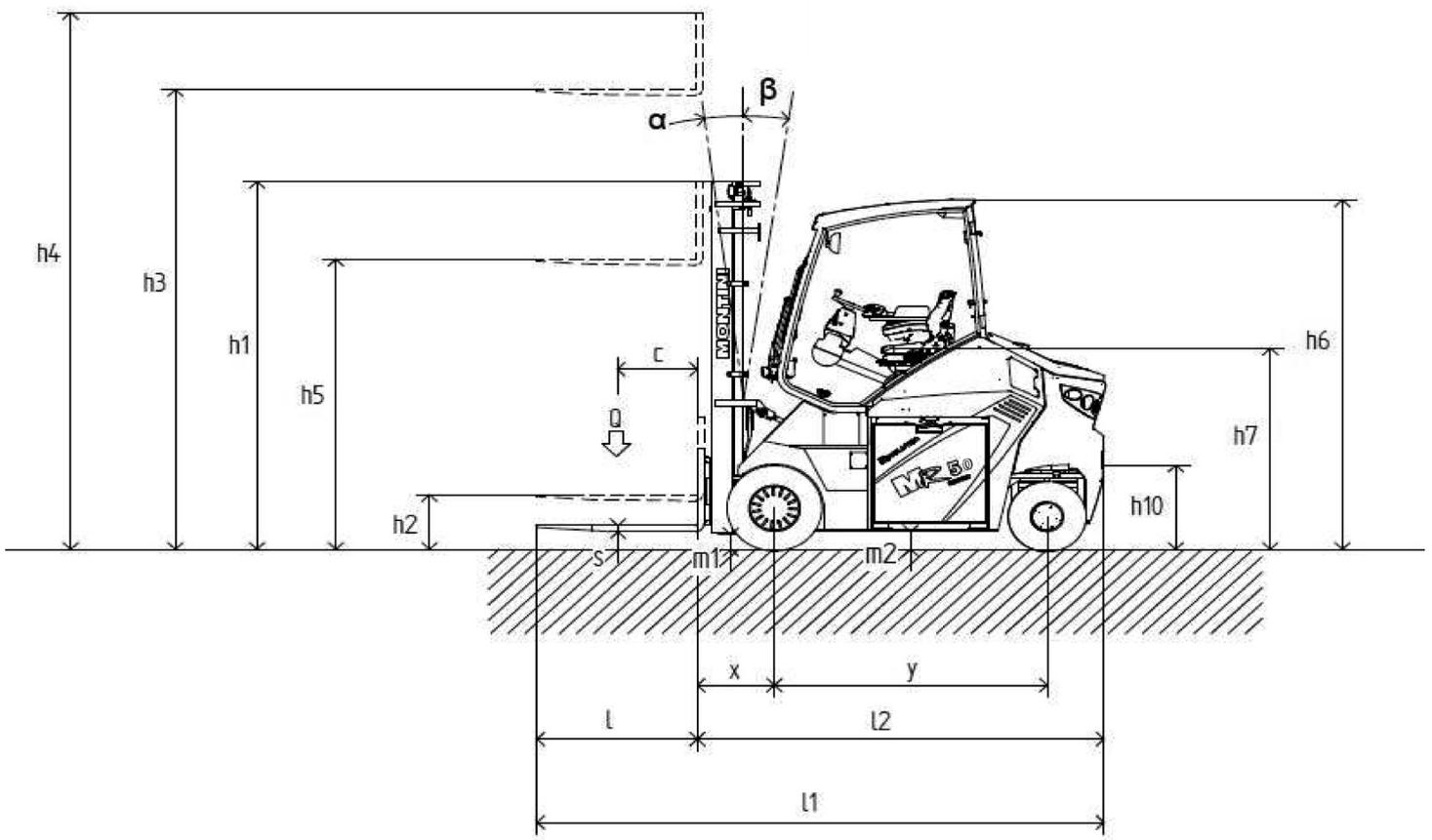


The large colour digital **display**, with multifunction buttons, keeps all the main information constantly under control:

- it allows accessibility and control of all basic forklift functions, identified by figures displayed on the icon bar;
- it shows the date and time;
- it has a speedometer and a work hour meter to track the forklift's operating hours;
- it provides battery status monitoring;
- it reports any faults.



# TECHNICAL FEATURES



1. With sideshift.

2.  $Ast = Wa + x + l_6 + a$  ( $a = 200$  mm)

This technical sheet, compliant with Directive VDI 2198, indicates the values for standard equipment only. Different tyres, masts, equipment, etc. may alter these values.

FEATURES	1.1	Manufacturer		MONTINI	MONTINI	MONTINI	MONTINI
	1.2	Model		<b>MR 4.5 COMPACT</b>	<b>MR 5.0 COMPACT</b>	<b>MR 5.0/600 COMPACT</b>	<b>MR 5.5/600 COMPACT</b>
	1.3	Power supply: electric, diesel, petrol, LPG, electric mains		electric	electric	electric	electric
	1.4	Drive type: hand-guided, pedestrian, stand-on, sit-on, order picker		sit-on	sit-on	sit-on	sit-on
	1.5	Capacity/Load	Q (t)	4,5	4,99	4,99	5,5
	1.6	Load centre	c (mm)	500	500	600	600
	1.8	Load distance	x (mm)	657 <b>1.</b>	657 <b>1.</b>	675 <b>1.</b>	685 <b>1.</b>
	1.9	Wheelbase	y (mm)	2040	2040	2040	2040
	WEIGHTS	2.1	Weight	Kg	7720	8120	9380
2.2		Axle load, front / rear, laden	Kg	11197 / 1023	11970 / 1140	12723 / 1657	13565 / 1455
2.3		Axle load, front / rear, unladen	Kg	4150 / 3570	4150 / 3970	4600 / 4780	4600 / 4920
EQUIPMENT	3.1	Tyres		SE	SE	SE	SE
	3.2	Tyres size, front		355/50-15	355/50-15	355/50-15	355/50-15
	3.3	Tyres size, rear		23X9/10	23X9/10	23X9/10	23X9/10
	3.5	Wheels, number front/rear (x=driven wheel)		2x/2	2x/2	2x/2	2x/2
	3.6	Track width, front	b10 (mm)	1130	1130	1130	1130
	3.7	Track width, rear	b11 (mm)	1171	1171	1171	1171
	OVERALL DIMENSIONS	4.1	Max. tilt of mast/fork carriage, forward / reverse ( $\alpha$ - $\beta$ )	Degrees	7 / 7	7 / 7	7 / 7
4.2		Lowered mast height	h1 (mm)	3050	3050	3050	3050
4.3		Free lift	h2 (mm)	-	-	-	-
4.4		Lifting height	h3 (mm)	4500	4500	4500	4500
4.5		Extended mast height	h4 (mm)	5250	5250	5250	5250
4.7		Overhead guard height	h6 (mm)	2919	2919	2919	2919
4.8		Seat height	h7 (mm)	1697	1697	1697	1697
4.12		Tow coupling height	h10 (mm)	675	675	675	675
4.19		Total length	l1 (mm)	4134	4134	4352	4362
4.20		Length to face of forks	l2 (mm)	3134	3134	3152	3162
4.21		Overall width	b1 / b2 (mm)	1426 / 1400	1426 / 1400	1426 / 1400	1426 / 1400
4.22		Forks dimensions	s / e / l (mm)	50 / 150 / 1000	50 / 150 / 1000	50 / 150 / 1200	60 / 150 / 1200
4.23		Fork carriage ISO 2330, class/type, A, B		3A	3A	3A	4A
4.24		Min. fork carriage width	b3 (mm)	1150	1150	1150	1150
4.31		Ground clearance, under mast, laden	m1 (mm)	120	120	120	120
4.32		Ground clearance, centre of wheelbase	m2 (mm)	145	145	145	145
4.33		Aisle width with pallet 1000x1200 (l6xb12) pick-up side 1200	Ast (mm)	4365 <b>2.</b>	4365 <b>2.</b>	4383 <b>2.</b>	4393 <b>2.</b>
4.34		Aisle width with pallet 800x1200 (b12xl6) pick-up side 800	Ast (mm)	4565 <b>2.</b>	4565 <b>2.</b>	4583 <b>2.</b>	4593 <b>2.</b>
4.35		Turning radius	Wa (mm)	2508	2508	2508	2508
4.36		Distance from turning centre and truck centre axis	b13 (mm)	0	0	0	0
DATA AND PERFORMANCE	5.1	Travel speed, laden / unladen	Km/h	18 / 20	18 / 20	18 / 20	18 / 20
	5.2	Lift speed, laden / unladen	m/s	0,38 / 0,45	0,38 / 0,45	0,38 / 0,45	0,38 / 0,45
	5.3	Lowering speed, laden / unladen	m/s	0,44 / 0,34	0,44 / 0,34	0,44 / 0,34	0,44 / 0,34
	5.5	Drawbar pull, laden / unladen (S2 60°)	N	5292 / 6175	5115 / 6096	4958 / 5939	4958 / 5939
	5.6	Max. drawbar pull, laden / unladen (S2 5°)	N	25466 / 26349	25289 / 26270	25132 / 26113	25132 / 26113
	5.7	Gradeability, laden / unladen (S2 30°)	%	13,7 / 23,3	12,6 / 22	11,3 / 18,5	10,7 / 18,3
	5.8	Max. gradeability, laden / unladen (S2 5°)	%	21,8 / 37,2	20,1 / 35	18 / 29,4	17,2 / 29
	5.9	Acceleration time, laden / unladen	s	4,5 / 4,3	4,7 / 4,5	4,8 / 4,5	4,8 / 4,5
	5.10	Service brake		hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric
	ELECTRIC MOTOR	6.1	Traction motor, output S2 60°	Kw	2x16	2x16	2x16
6.2		Lift motor, output S3 15%	Kw	28	28	28	28
6.3		Battery according to DIN 43531 / 35 / 36 A, B, C		MONTINI	MONTINI	MONTINI	MONTINI
6.4		Rated voltage / capacity 5h	V / Ah	80 / 775-930-1085-1190	80 / 775-930-1085-1190	80 / 1085-1190	80 / 1085-1190
6.5		Battery weight, min. / max.	Kg	1975 / 2600	1975 / 2600	2350 / 2600	2350 / 2600
6.6		Energy consumption according to EN 16796	KWh/h	11,8	11,9	12	12,2
MISCELLANEA	8.1	Type of electronic control		inverter	inverter	inverter	inverter
	10.1	Working pressure for auxiliary equipment	bar	180	180	180	180
	10.2	Oil flow rate for auxiliary equipment	l/min	50	50	50	50
	10.7	Noise level at operator's ear	db (A)	65	65	65	65
	10.8	Tow coupling model/type		-	-	-	-



# MONTINI

SPECIAL ELECTRIC FORKLIFT TRUCKS

## Choose specialization.

Choose MONTINI special electric lift trucks.

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Depilant MR 4,5-5,0-5,5/600 COMPACT - 03-2026 - Cod. 5014138.EN

The data provided herein is purely indicative and is not binding.

The Manufacturer therefore reserves the right to make changes as and when deemed appropriate.