



MONTINI

SPECIAL ELECTRIC FORKLIFT TRUCKS



THE NEW 96V FORKLIFTS WITH LOAD CAPACITIES OF 6000 AND 7000 KG
SPECIAL VERSIONS **COMPACT - LOW - CONTAINER**

MR 6 COMPACT - MR 6 LOW - MR 6 CONTAINER
MR 7 COMPACT - MR 7 LOW - MR 7 CONTAINER

SPECIAL FORKLIFT TRUCKS

DESIGNED TO MEET SPECIAL REQUIREMENTS

MONTINI's leadership lies in being able to offer a wide range of special electric forklift trucks capable of meeting the specific and personalised needs of its Customers.

Its range of forklift trucks has now been extended to include **two new models (with load capacities of 6000 kg and 7000 kg at load centre 600 mm)** available in three new versions named **COMPACT**, **LOW** and **CONTAINER**:

- **MR 6 COMPACT - MR 7 COMPACT**
- **MR 6 LOW - MR 7 LOW**
- **MR 6 CONTAINER - MR 7 CONTAINER**

HANDY, POWERFUL, ZERO EMISSIONS

FOR GREAT PERFORMANCE

Handy and powerful in lifting and travelling operations, even when fitted with special attachments, these forklift trucks have been **designed to cope with intense and demanding applications**. They can be **used for handling and storing heavy loads** in humid and dusty environments, both indoors and outdoors.

These features make them **perfect for use in the paper and cardboard sector**, where reels often of significant size need to be handled, as well as **for loading and unloading lorries and containers**, warehouse storage operations and for manoeuvring goods in tight indoor spaces.

They represent a complete range for anyone needing a **sustainable ecological and silent lift truck** with zero CO₂ emissions, performance levels comparable to those offered by internal combustion vehicles and energy and maintenance cost savings, all without having to compromise on results.



MONTINI SUPER STEERING

TO STEER WHERE YOU NEVER THOUGHT POSSIBLE

The **MONTINI SUPER STEERING**, rear-axle steering up to **101°**, is designed and built by MONTINI and **supplied as standard** on the entire range MR COMPACT, LOW and CONTAINER so that you can **work in very narrow spaces**, providing maximum manoeuvrability and the best possible driving experience, without ever sacrificing productivity.



ALTERNATING CURRENT (AC) TWIN-MOTOR

BETTER PERFORMANCE AND GREATER AUTONOMY

The twin-motor traction, with innovative electronic technology with alternating current inverters and Can Bus communication, guarantees:

- incredible torque and superior performance for acceleration, lifting and travelling;
- high efficiency and low energy consumption;
- excellent functionality of the electronic system;
- extended battery life, thanks to the excellent performance of the electric motors which provide high efficiency over a wide range of speeds;
- no polluting emissions released into the atmosphere, respecting the quality of the environment.



MASTS

GREAT STRENGTH AND LOAD CAPACITY

In order to effectively meet market demands, MONTINI equips these lift trucks with a **wide range of masts**, available in DX (Duplex) and TX (Triplex) versions, with total visibility (TV) and total free lift (TFL), to satisfy the most varied working needs and offer a safe and strong load capacity. The masts, completely designed and produced by MONTINI, **allow record load capacities in all operating conditions**.



Masts can be **configured** with specific attachments to meet every need, in particular **paper roll clamps** or **bale clamps** used in the paper and cardboard sector.



HIGH BATTERY AUTONOMY

The **96V batteries** fitted on the MONTINI forklift trucks MR COMPACT, LOW and CONTAINER guarantee **maximum autonomy** for tackling long work shifts.

The battery is supplied in two individual blocks, positioned on the sides of the lift truck chassis, making them easy to remove and handle.

Changing the battery is quick and easy. It can be carried out **mechanically** (standard), using a second lift truck (load capacity of 2000 kg) or a hand pallet truck.



- MR 6 COMPACT - MR 7 COMPACT equipped with 96V batteries from 1085 Ah to 1135 Ah.
- MR 6 LOW - MR 7 LOW equipped with 96V batteries from 1000Ah to 1104Ah.
- MR 6 CONTAINER - MR 7 CONTAINER equipped with 96V batteries from 1000Ah to 1104Ah.

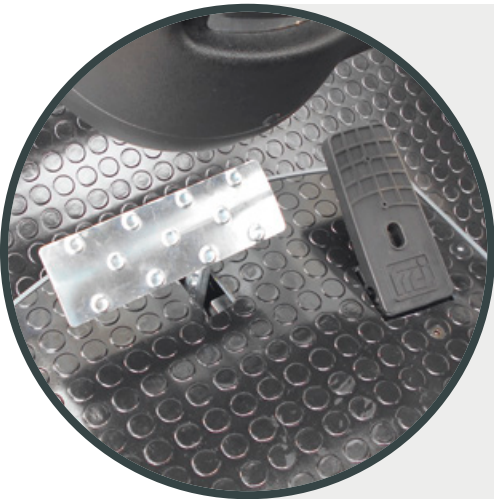
Batteries are recharged in direct mode, by means of the connector located in an easy-to-reach position and kept safe behind a handy hatch, as with electric cars.



PEDAL BOARDS

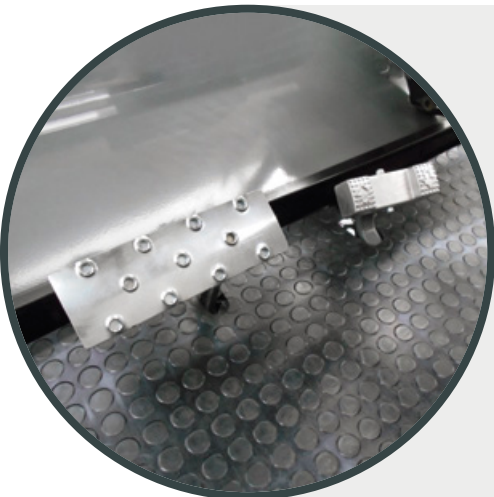
STANDARD OR OPTIONAL

With a view to customizing lift 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 HYDRAULIC CONTROLS

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

The intuitive and ergonomic hydraulic 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 hydraulic 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 hydraulic 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.



A BLEND OF AGILITY, ERGONOMICS AND VERSATILITY FOR THE OPERATOR

The potential of these new models, with **high levels of performance** and **innovative design** created by MONTINI's investing in innovation and technology, is also expressed in their offering total comfort for operators.

Based on the idea that driving comfort, together with lift truck reliability and safety, are essential features because they help increase productivity, MONTINI has given **maximum attention to ergonomics** in the design of its new models **MR COMPACT**, **LOW** and **CONTAINER** with load capacities of 6000 kg and 7000 kg.



The driving position is spacious and easily accessible, thanks to the **convenient and wide steps**. It offers **ample foot space** and an **extremely comfortable seat** and is designed to **ensure excellent visibility** and **maximum safety**, even when handling the bulkiest of loads.



The **wide range of optional accessories** (including air conditioning, Remote Control device, work lights and blue spotlights) means **lift trucks can be customized** to meet the specific requirements of the users, based on different application needs.



FOCUS ON COMFORT THANKS TO THE ERGONOMIC DRIVER'S CAB

The comfortable and spacious driver's cab is positioned on special **anti-vibration mounts (silent blocks)**, designed to reduce vibrations and noise in the cab, providing additional comfort and facilitating the operator's daily work to guarantee greater control and constant precision, even in the demanding working conditions common to the paper sector.



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



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



WELL-BEING AND DRIVING COMFORT TO ASSIST THE OPERATOR

Every technical aspect has been studied to make lift truck operation easy in any working situation: comfort is also expressed in the **large grab handle** which the operator uses to pull himself up into the driving position.



The **air conditioning unit**, available as an optional extra, is located in a handy position to the side of the seat. It creates a pleasant climate thanks to the various ventilation outlets.

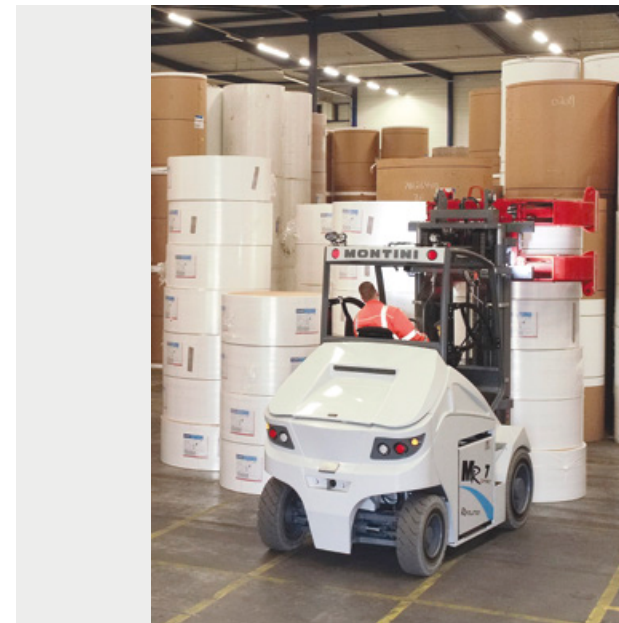
The **heater**, available as an optional extra, directly and quickly heats up the cab interior thanks to the hot air vents, thus making sure that the temperature inside the cab is always comfortable.



DESIGNED TO WORK HARD IN TOTAL COMFORT

These new lift trucks, designed for all intense applications and in particular those in the paper industry, excel in comfort, efficiency, manoeuvrability and performance.

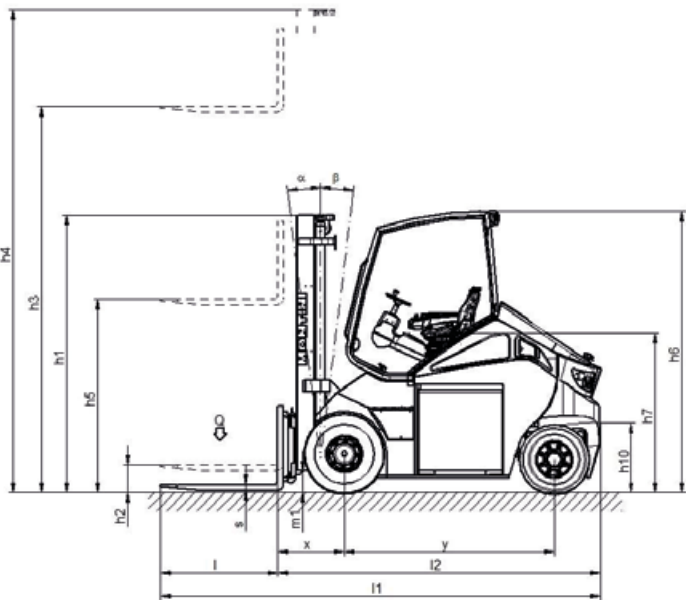
The operator position has been optimized for maximum ease of use and great handling with comfortable **seats** (Grammer Maximo M in fabric with mechanical adjustment and Grammer Primo L in PVC with pneumatic adjustment) supplied as standard. The seats ensure dampening of vibrations and impact in the cab without transmitting them to the operator.



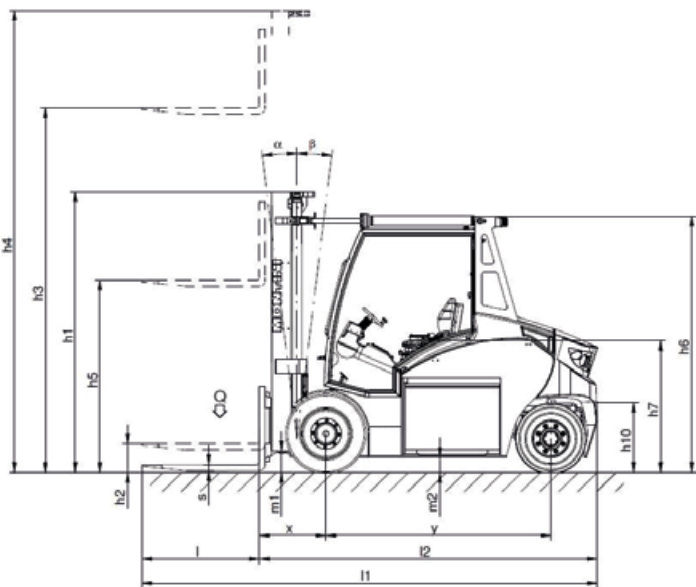
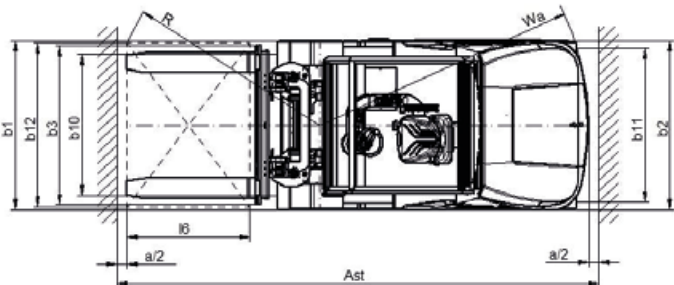
The large digital colour **display**, with multifunction buttons:

- allows accessibility and control of the basic lift truck functions, identified by figures displayed on the icon bar;
- shows the date and time, allows the operator to monitor battery charge status, reports any faults and is equipped with a speedometer and a service hours counter.

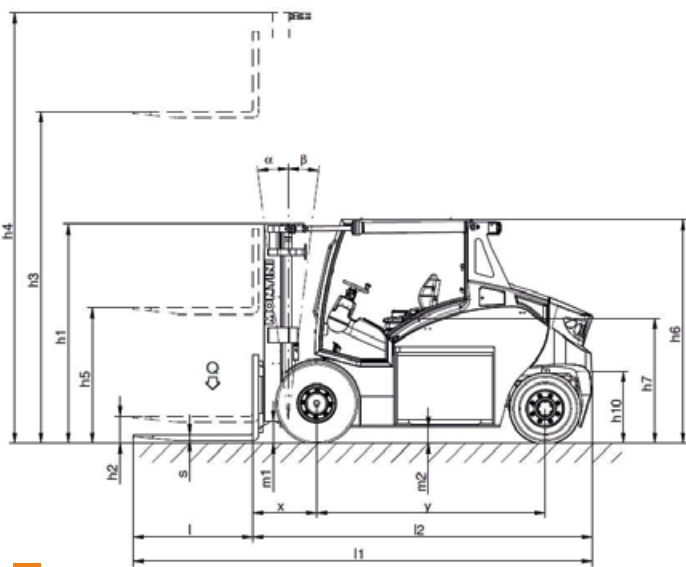
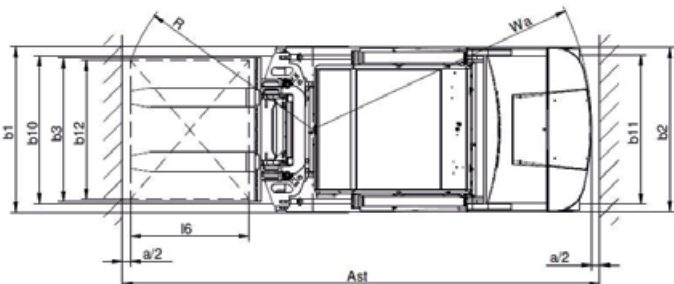
TECHNICAL FEATURES



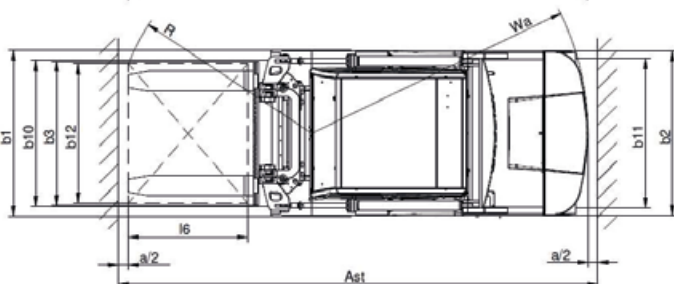
MR 6 COMPACT - MR 7 COMPACT



MR 6 LOW - MR 7 LOW



MR 6 CONTAINER - MR 7 CONTAINER



FEATURES	1.2	Model		MR 6 COMPACT	MR 7 COMPACT	MR 6 LOW	MR 7 LOW	MR 6 CONTAINER	MR 7 CONTAINER
	1.3	Power supply: electric, diesel, petrol, LPG, electric mains		electric	electric	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	sit-on	sit-on
	1.5	Capacity/Load	Q (t)	6	7	6	7	6	7
	1.6	Load centre	c (mm)	600	600	600	600	600	600
	1.8	Load distance	x (mm)	644	1. 644	1. 644	1. 644	1. 644	1. 644
	1.9	Wheelbase	y (mm)	2150	2150	2300	2300	2300	2300
	2.1	Weight	Kg	13510	14310	10900	11600	10800	11500
	2.2	Axle load, front/rear, laden	Kg	17851/1659	19448/1862	15395/1505	16852/1748	15345/1455	16802/1698
	2.3	Axle load, front/rear, unladen	Kg	8274/5236	8274/6036	6050/4850	5950/5650	6000/4800	5900/5600
EQUIPMENT	3.1	Tyres: superelastic (SE), cushion (C), pneumatic (PN)		SE	SE	SE	SE	SE	SE
	3.2	Tyre size, front		355/65-15	355/50-20	355/65-15	355/50-20	355/65-15	355/50-20
	3.3	Tyre size, rear		250/70-15	250/70-15	250/70-15	250/70-15	250/70-15	250/70-15
	3.5	Wheels, number front/rear (x=driven wheel)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Track width, front	b10 (mm)	1379	2. 1355	2. 1379	2. 1355	2. 1379	2. 1355
	3.7	Track width, rear	b11 (mm)	1409	1409	1409	1409	1409	1409
	4.1	Max. tilt of mast/fork carriage, forward/backward (α-β)	Degrees	5°/7°	5°/7°	7°/7°	7°/7°	7°/7°	7°/7°
OVERALL DIMENSIONS	4.2	Lowered mast height	h1 (mm)	2870	2870	2870	2870	2200	2200
	4.3	Free lift	h2 (mm)	-	-	-	-	1430	1430
	4.4	Lifting height	h3 (mm)	4000	4000	4000	4000	2800	2800
	4.5	Extended mast height	h4 (mm)	4800	4800	4800	4800	3600	3600
	4.7	Overhead guard height	h6 (mm)	2870	2870	2620	2620	2250	2250
	4.8	Seat height	h7 (mm)	1635	1635	1330	1330	1264	1264
	4.12	Tow coupling height	h10 (mm)	775	775	775	775	775	775
	4.19	Total length	l1 (mm)	4469	4469	4619	4619	4619	4619
	4.20	Length to face of forks	l2 (mm)	3269	3269	3419	3419	3419	3419
	4.21	Overall width	b1/b2 (mm)	1670/1650	4. 1670/1650	4. 1670/1650	4. 1670/1650	4. 1670/1650	4. 1670/1650
	4.22	Fork dimensions	s/e/l (mm)	60/200/1200	60/200/1200	60/200/1200	60/200/1200	60/200/1200	60/200/1200
	4.23	Fork carriage (ISO 2330, class/type A, B)		4A	4A	4A	4A	4A	4A
	4.24	Min. fork carriage width	b3 (mm)	1450	1450	1450	1450	1450	1450
	4.31	Ground clearance, under mast, laden	m1 (mm)	215	215	215	215	215	215
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	155	155	155	155	155	155
	4.33	Aisle width with pallet 1000x1200 (l6xb12) (pick-up side 1200)	Ast (mm)	4575	5. 6. 4575	5. 6. 4727	5. 6. 4727	5. 6. 4727	5. 6. 4727
	4.34	Aisle width with pallet 800x1200 (b12xl6) (pick-up side 800)	Ast (mm)	4712	5. 7. 4712	5. 7. 4864	5. 7. 4864	5. 7. 4864	5. 7. 4864
	4.35	Turning radius	Wa (mm)	2625	8. 2625	8. 2777	8. 2777	8. 2777	8. 2777
	4.36	Distance from turning centre and truck centre axis	b13 (mm)	0	0	0	0	0	0
DATA AND PERFORMANCE	5.1	Travel speed, laden/unladen	Km/h	13/15	13/15	16/18	16/18	16/18	16/18
	5.2	Lift speed, laden/unladen	m/s	0.37/0.40	0.35/0.40	0.37/0.40	0.35/0.40	0.37/0.40	0.35/0.40
	5.3	Lowering speed, laden/unladen	m/s	0.44/0.34	0.45/0.34	0.44/0.34	0.45/0.34	0.44/0.34	0.45/0.34
	5.5	Drawbar pull, laden/unladen	daN	1820/1970	1850/2000	1820/1970	1850/2000	1820/1970	1850/2000
	5.6	Max. drawbar pull, laden/unladen	daN	5000	5000	5000	5000	5000	5000
	5.7	Gradeability, laden/unladen	%	17/25	15/24	20/32	18/30	20/32	18/30
	5.8	Max. gradeability, laden/unladen	%	21/32	19/30	25/41	23/38	25/41	23/38
	5.9	Acceleration time, laden/unladen	s	5.5/4.8	5.6/4.9	5.4/4.7	5.5/4.8	5.4/4.7	5.5/4.8
	5.10	Service brake		hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric
	6.1	Traction motor, output S2 60'	Kw	2x20	2x20	2x20	2x20	2x20	2x20
ELECTRIC MOTOR	6.2	Lift motor, output S3 20%	Kw	2x28	2x28	2x28	2x28	2x28	2x28
	6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A
	6.4	Rated voltage/capacity 5h	V/Ah	96/1085	9. 96/1085	9. 96/1000	9. 96/1000	9. 96/1000	9. 96/1000
	6.5	Battery weight, min./max.	Kg	3030/3310	3030/3310	2784-3038	2784-3038	2784/3038	2784/3038
	6.6	Energy consumption according to VDI cycle	KWh/h	23.8	24.8	22.8	23.8	22.8	23.8
	8.1	Type of electronic control		inverter	inverter	inverter	inverter	inverter	inverter
MISCELLANEA	8.2	Working pressure for auxiliary equipment	bar	250	250	250	250	250	250
	8.3	Oil flow rate for auxiliary equipment	l/min	60	60	60	60	60	60
	8.4	Noise level at operator's ear	db (A)	<80	<80	<80	<80	<80	<80
	8.5	Tow coupling model/type		-	-	-	-	-	-
	9.1	Without sideshift							

1. Without sideshift

2. 1579 with b1=1870

3. 1555 with b1=1870

4. Optional 1870/1650

5. Ast = Wa + R + a (a = 200 mm)

6. 4575 with b1=1870 (for COMPACT)

6. 4727 with b1=1870 (for LOW-CONTAINER)

7. 4712 with b1=1870 (for COMPACT)

7. 4864 with b1=1870 (for LOW-CONTAINER)

8. 2625 with b1=1870 (for COMPACT)

8. 2777 with b1=1870 (for LOW-CONTAINER)

9. 96/1135 with Exide TENSOR batteries (+13% run time) (for COMPACT)

9. 96/1104 with EnerSys IRONCLAD batteries (for LOW-CONTAINER)

10. 96/1040 with Exide TENSOR batteries (+14% run time)



MONTINI

SPECIAL ELECTRIC FORKLIFT TRUCKS

Choose specialization.

Choose MONTINI special electric lift trucks.

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All MONTINI products comply with Machinery Directive 2006/42/EC, Directives 2014/35/EU and 2014/30/EU.