



# MONTINI

SPECIAL ELECTRIC FORKLIFT TRUCKS



NEW 80V FORKLIFT TRUCKS WITH LOAD CAPACITIES OF  
**4500 KG** AND **5000 KG**, SPECIAL **COMPACT** VERSION

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

# NEW COMPACT FORKLIFTS 4500KG AND 5000KG

## DESIGNED TO MEET SPECIAL REQUIREMENTS

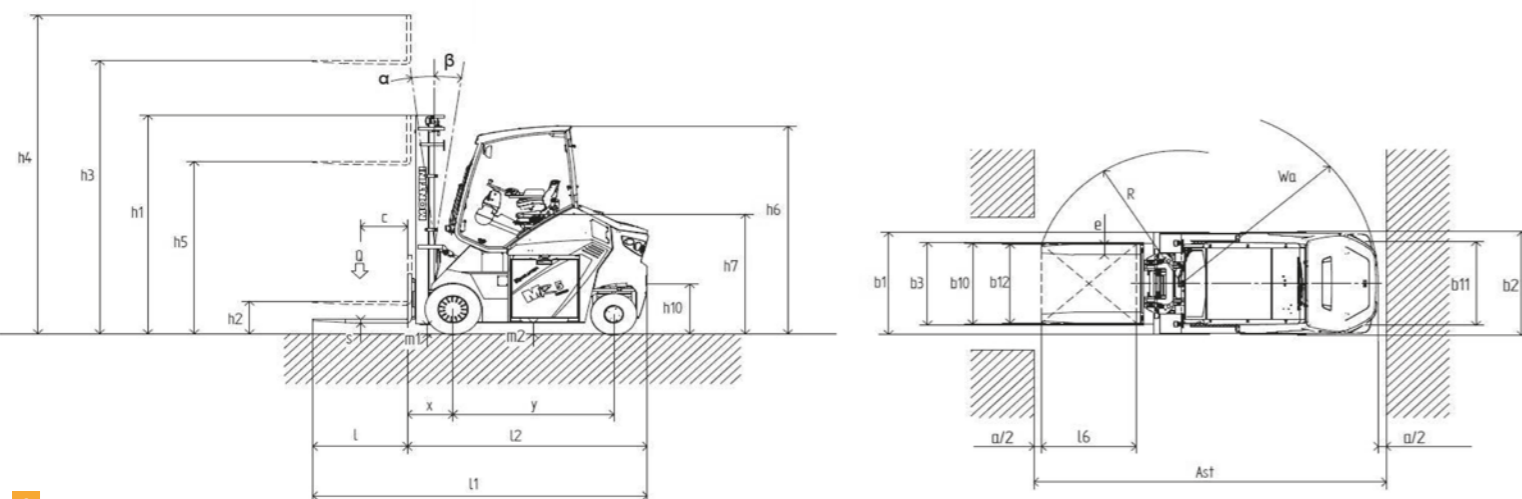
MONTINI expands its range of **heavy duty** counterbalanced electric forklift trucks with three new **80V** models for handling loads **from 4500 kg at load centre 500 mm up to 5000 kg at load centre 500 mm and 600 mm.**

The handy and compact MONTINI's forklifts **MR 4.5 COMPACT**, **MR 5.0 COMPACT** and **MR 5.0/600 COMPACT** are appropriately designed for **intensive heavy-duty handling applications**, warehouse storage and indoor transport in tight spaces, thanks to the standard **MONTINI Super Steering** system. This rear-axle steering up to 101 degrees enables to **work and move in confined spaces**, giving the operator maximum manoeuvrability and the best driving experience without sacrificing productivity.

These new forklift trucks feature key technical solutions.

- **Twin-motor traction** with innovative 80V **alternating current (AC) electronic inverter technology** with **CAN-Bus communication**.
- **Wide range of masts**, available in DX (Duplex) and TX (Triplex) versions, with total visibility (TV) and with total free lift (TFL), to satisfy the most varied working needs and offer a safe and strong load capacity.
- Possible equipment with conventional **80V high-autonomy lead-acid batteries** or with modern **lithium-ion batteries, with direct charging mode** as with electric cars, to cope with long working shifts and the most demanding uses.
- **Great deal of attention to ergonomics.** The driving position is spacious and easily accessible thanks to the convenient and wide steps. The comfortable driver's cab is positioned on special **anti-vibration mounts (silent blocks)**, designed to reduce vibrations and noises inside the cab.
- A **wide range of available optional accessories** allows forklifts to be customized to suit different application needs.

## TECHNICAL FEATURES



FEATURES	MONTINI		MONTINI		MONTINI	
	MR 4.5 COMPACT		MR 5.0 COMPACT		MR 5.0/600 COMPACT	
1.1	Manufacturer			MONTINI		MONTINI
1.2	Model			MR 4.5 COMPACT		MR 5.0 COMPACT
1.3	Power supply: electric, diesel, petrol, LPG, electric mains	electric		electric		electric
1.4	Drive type: hand-guided, pedestrian, stand-on, sit-on, order picker	sit-on		sit-on		sit-on
1.5	Capacity/Load	Q (t)	4,5	4,99	4,99	4,99
1.6	Load centre	c (mm)	500	500	600	600
1.8	Load distance	x (mm)	657	657	677	677
1.9	Wheelbase	y (mm)	2040	2040	2040	2040
2.1	Weight	Kg	7720	8120	8890	8890
2.2	Axle load, front / rear, laden	Kg	11197 / 1023	11970 / 1140	12550 / 1330	12550 / 1330
2.3	Axle load, front / rear, unladen	Kg	4150 / 3570	4150 / 3970	4435 / 4455	4435 / 4455
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
4.1	Max. tilt of mast/fork carriage, forward / reverse (α-β)	Degrees	7° / 7°	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	4354	4354
4.20	Length to face of forks	l2 (mm)	3134	3134	3154	3154
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	50 / 150 / 1200
4.23	Fork carriage ISO 2330, class/type, A, B		3A	3A	3A	3A
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)	4459	4459	4478	4478
4.34	Aisle width with pallet 800x1200 (b12xl6) - pick-up side 800	Ast (mm)	4597	4597	4616	4616
4.35	Turning radius	Wa (mm)	2497	2497	2497	2497
4.36	Distance from turning centre and truck centre axis	b13 (mm)	0	0	0	0
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 / 0,54	0,38 / 0,45	0,38 / 0,45
5.3	Lowering speed, laden / unladen	m/s	0,44 / 0,34	0,50 / 0,48	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	11,7 / 19,7	11,7 / 19,7
5.8	Max. gradeability, laden / unladen (S2 5')	%	21,8 / 37,2	20,1 / 35	18,8 / 31,3	18,8 / 31,3
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
6.1	Traction motor, output S2 60'	Kw	2x16	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
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		-	-	-	-

1. With sideshift

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



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## Choose specialization.

Choose MONTINI special electric lift trucks.

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