

100
years



V. MARIOTTI
SINCE 1920
COMPACT FORKLIFT SOLUTIONS

MX16

SPECIFICATION

SHEET

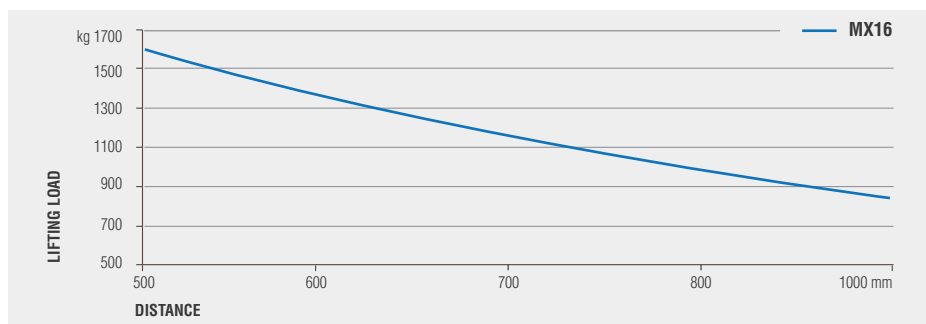


MX 16

- Full AC technology
- Adjustable wheelbase
- 48V 500Ah battery
- Multifunction LCD display
- Electronic lift control
- Cushion or Superelastic tyres
- Lifting height up to 6180mm
- Overall height under 2000mm (h6)
- Curve Speed Control
- AST 2948 mm

MAST DETAILS MX 16

HEIGHT		STANDARD INCL. SIDE-SHIFT				DUPLEX INCL. SIDE-SHIFT				TRIPLEX INCL. SIDE-SHIFT			
Lifting	h_{23}	2980	3200	3800	4120	2980	3200	3800	4120	4470	4800	5700	6180
Height mast collapsed	h_1	1984	2094	2394	2554	1984	2094	2394	2554	1984	2094	2394	2554
Height mast extended	h_4	3530	3750	4350	4670	3530	3750	4350	4670	4980	5310	6210	6690
Free lift	h_2	-	-	-	-	1521	1631	1931	2091	1521	1631	1931	2091
Width MX 16	b_1	985 SE - 995 V		1055 SE 1065 V		985 SE - 995 V		1055 SE 1065 V		1075 SE - 1085 V			

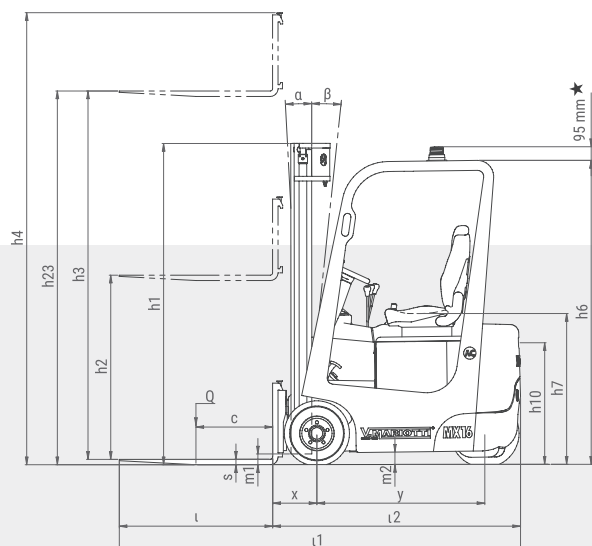
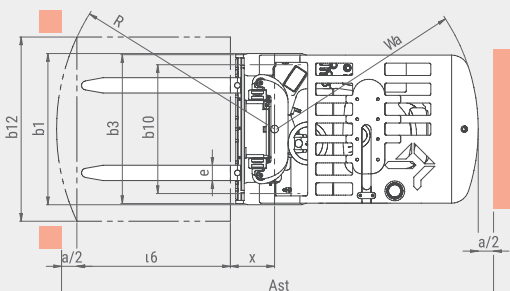


Data showed are not binding and are liable to variations.
The constructor reserves the right of changes without notice.

$a/2 = 100$ mm

★ On demand installation of the strobo light under the height of the overhead guard **h6**

In accordance with VDI Guideline 2198 this specification sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.



CHARACTERISTICS	1.1	Manufacturer			V.MARIOTTI S.r.l.
	1.2	Model			MX 16
	1.3	Type of drive			electric
	1.4	Operator type			seated
	1.5	Load capacity/rated load	Q	kg	1600
	1.6	Load centre distance	c	mm	500
	1.8	Load distance	x	mm	289 ●
	1.9	Wheel base min / max (adjustable)	y	mm	1056 / 1148
WEIGHTS	2.1	Service weight incl. battery (see row 6.5)		kg	3050 ■
	2.2	Axle load, with load, front / rear		kg	3990 / 660
	2.3	Axle load, without load, front / rear		kg	1470 / 1580
WHEELS	3.1	Tyres: Superelastic (SE), Cushion (V)			SE / SE - V / V
	3.2	Tyre size front		mm	145x60-9 - 413x152x285.8
	3.3	Tyre size rear		mm	18x7-8 - 457x152x308
	3.5	Wheels, number front/rear (◆ = driven wheels)			2 / 1 ◆
DIMENSIONS	3.6	Track width, front	b ₁₀	mm	840
	4.1	Tilt of mast/fork carriage forward/backward	α/β	<°	3° / 6°
	4.2	Collapsed mast height	h ₁	mm	1994
	4.3	Free lift	h ₂	mm	\
	4.4	forks lifting	h ₃	mm	3165
		Lifting height	h ₂₃	mm	3200
	4.5	Height mast extended	h ₄	mm	3550
	4.7	Height of overhead guard	h ₆	mm	1986
	4.8	Seat height	h ₇	mm	950
	4.12	Coupling height	h ₁₀		800
	4.19	Overall length	l ₁		2615
	4.20	Length including back of forks	l ₂	mm	1615 ●
	4.21	Overall width	b ₁	mm	985 SE - 995 V
	4.22	Fork dimensions	s/e/l	mm	35x100x1000
	4.23	Forks carriage ISO 2328, Class/form A, B			ISO 2A
	4.24	Forks carriage width	b ₃	mm	970
	4.31	Floor clearance with load under mast	m ₁	mm	85
	4.32	Floor clearance centre wheelbase	m ₂	mm	90
	4.33	Aisle width for pallets 1000 x 1200 sideways	A _{st}	mm	2948
	4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm	3067
	4.35	Turning radius	W _a	mm	1326 ▲
PERFORMANCE	5.1	Driving speed with/without load		km/h	10,5 / 11,0
	5.2	Lifting speed with/without load		m/s	0,28 / 0,38
	5.3	Lowering speed with/without load		m/s	0,36 / 0,28
	5.6	Max. drawbar pull, with/without load		N	5450 / 5750
	5.7	Gradeability, with/without load		%	10 / 16
	5.8	Max Gradeability, with/without load		%	15 / 22
	5.10	Service brake			hydraulic
ELECTRIC SYSTEM	6.1	Driving motor rating S2 60 min.		kW	5,5
	6.2	Lifting motor rating at S3 20%		kW	8,5
	6.4	Battery voltage/nominal capacity K5		V/Ah	48 / 500
	6.5	Battery weight		kg	760 ■
OTHER	8.1	Type of drive control			AC MOSFET
	8.2	Working pressure for attachments		bar	160
	8.4	Sound pressure level at operator's ear		db(A)	-

- ▲ with mast in vertical position
● included side-shift



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