

Technical sheet :

MT 1440 E

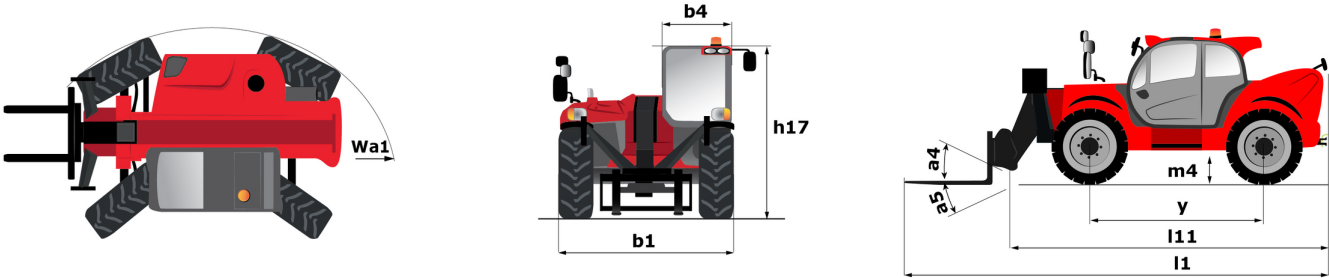
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 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Max. capacity		4000 kg
Max. lifting height		13.55 m
Maximum outreach		9.45 m
Weight and dimensions		
Overall length to carriage	l11	6.07 m
Overall width	b1	2.36 m
Overall height	h17	2.49 m
Wheelbase	y	3.07 m
Ground clearance	m4	0.37 m
Overall cab width	b4	0.95 m
Tilt-up angle	a4	16 °
Tilt-down angle	a5	110 °
External turning radius (over tyres)	Wa1	4.01 m
Overall weight		11000 kg
Tires type		Inflatable
Standard tires		ALLIANCE - A325 - 400 / 80-24 162A8
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm
Performances		
Lifting		16 s
Lowering		12.40 s
Extension		17.30 s
Retraction		13 s
Crowd		4 s
Dump		4 s
Engine/Battery		
Electric engine power rating		56 kW
Hydraulic motor power		28 kW
Battery technology		Lithium-ion
Battery capacity		683 Ah
Battery nominal voltage		90 V
Battery energy		63 kWh/h
Charger Power / Phase / Current type		9 kW / Single-phase or three-phase / AC
Electric circuit		
Battery voltage / capacity		100 V / 683 Ah
12V Battery capacity		110 Ah
Transmission		
Transmission type		Electrical
Number of gears (forward / reverse)		2 / 2
Max. travel speed		24.90 km/h
Parking brake		Automatic parking brake
Service brake		Hydraulic
Hydraulics		
Hydraulic pump type		Variable displacement pump
Capacity of hydraulic pump		63 cm³
Hydraulic flow / Pressure		160 l/min-240 bar
Tank capacities		
Hydraulic tank capacity		135 l
Noise and vibration		
Noise at driving position (LpA)		60 dB
Noise to environment (LwA)		98 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Cab certification		Cabin ROPS - FOPS level 2
Controls		JSM

MT 1440 e - Dimensional drawing



Equipment

Standard
Battery cut-off
On-board charger 9kW
PVC mechanical suspension seat
led front road lights

Optional
Additional handle in the cab right hand side
Adjustable and telescopic steering column
Air suspension cloth-covered seat
Attachment hydraulic line
Bluetooth USB radio - With extra microphone - 100W
Bluetooth USB radio - With integrated microphone - 100W
Boom suspension - "Active CRC"
Continuous flow hydraulics
Displaced access to wheel reduction gear pivot
Emergency stop button in platform and on frame
Floor mat
Inner rear view mirror
LED front work lights on cab (x2)
LED rear work lights on cab (x2)
Lateral wiper
Manual air conditioning
Mechanical cloth seat (KAB)
Pedestrian detection camera
Rear camera with cab display screen
Tuner car radio - 50W
Work lights on boom head (x2)



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