

Technical sheet :

MT 1440 E

OXYGEN



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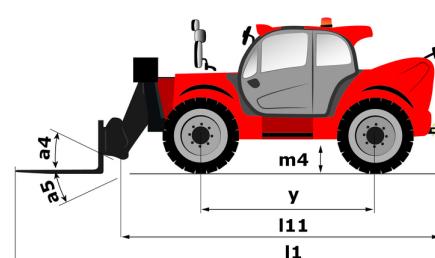
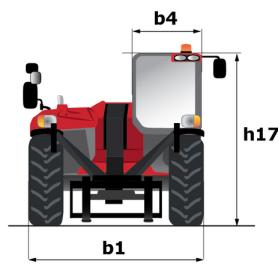
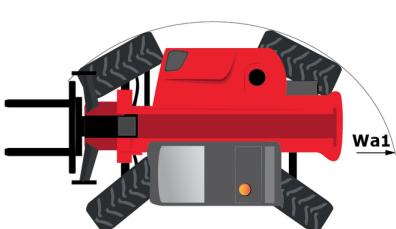
Capacities		Metric	
Max. capacity		4000 kg	
Max. lifting height		13.55 m	
Maximum outreach		9.45 m	
Weight and dimensions			
Overall length to carriage	l11	6.07 m	
Overall width	b1	2.36 m	
Overall height	h17	2.49 m	
Wheelbase	y	3.07 m	
Ground clearance	m4	0.37 m	
Overall cab width	b4	0.95 m	
Tilt-up 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	
Crown		4 s	
Dump		4 s	
Engine/Battery			
Drive motor 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	
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	

Options / Finishing

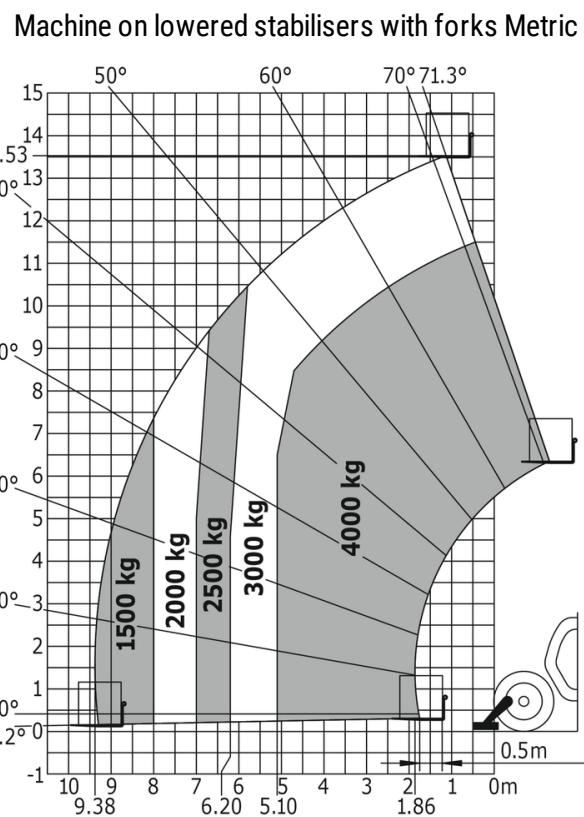
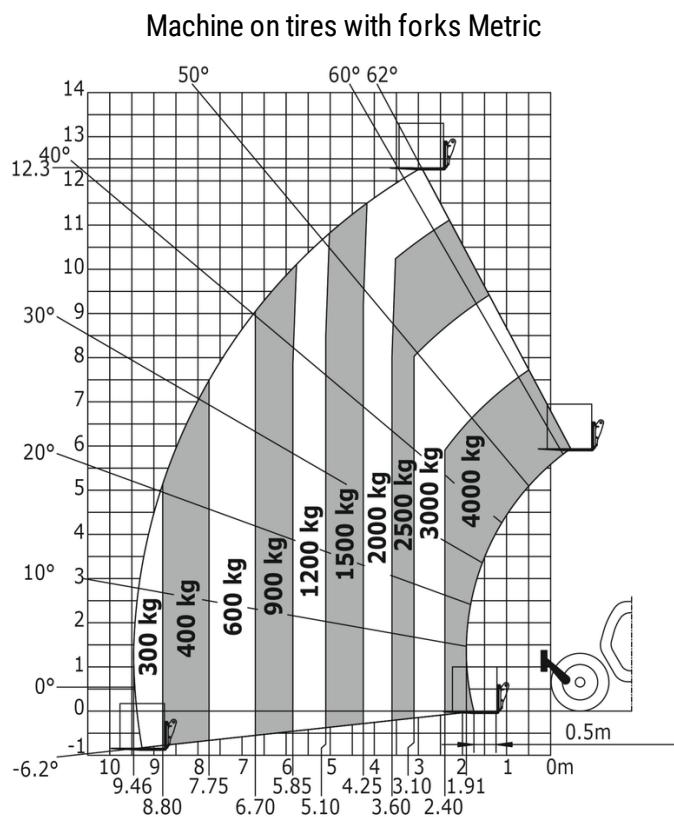
S : Standard / O : Optional / - : Not available

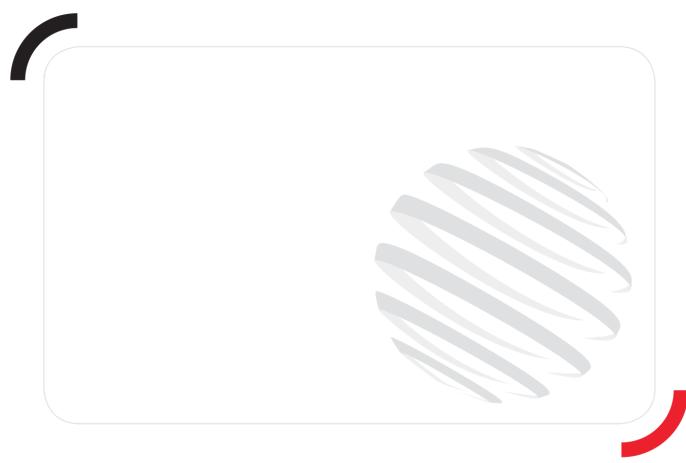
	Standard	Comfort
Lifting function		
Attachment hydraulic line	0	S
Easy Connect System (ECS)	0	0
Operator station		
Additional handle in the cab right hand side	0	0
Adjustable and telescopic steering column	0	S
Air suspension cloth-covered seat	0	0
Bluetooth USB radio - With extra microphone - 100W	0	0
Bluetooth USB radio - With integrated microphone - 100W	0	0
Boom suspension - "Active CRC"	0	0
Electric windows	0	0
Fixed armrest	0	0
Floor mat	0	S
Inner rear view mirror	0	0
Lateral wiper	0	S
Manual air conditioning	0	0
Mechanical cloth seat	0	0
Mechanical suspension PVC seat - Grammer MSG65	S	S
Radio pre-fitting	0	S
Rear camera with cab display screen	0	0
Tuner car radio - 50W	0	0
Motorization/Power		
Centralized greasing points	0	0
Continuous flow hydraulics	0	0
Europe plug adapter - Three-phase cable	S	S
On-board charger 9kW	S	S
Three-phase charging cable kit + adapters	S	S
Lighting		
LED front road lights (x2)	-	S
LED front work lights on cab (x2)	0	0
LED rear work lights on cab (x2)	0	0
Work lights on boom head (x2)	0	0
Security		
Battery cut-off	S	S
Emergency stop button outside the cab	0	0
OSS - Operation Safety System	0	0
Pedestrian detection camera (rear)	0	0
Pneumatics		
Tires - ALLIANCE - A325 - 400/80-24 162A8	S	S
Tires - ALLIANCE - A325 - 440/80 R24 162A8	0	0
Tires - MICHELIN - BIBLOAD - 440/80 R24 161A8	0	0

MT 1440 e - Dimensional drawing



MT 1440 e - Load chart





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