

Technical sheet :

MT 1840 E

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Max. capacity	Q	4000 kg
Max. lifting height		17.55 m
Maximum outreach		13.10 m
Weight and dimensions		
Overall length to carriage	l11	6.21 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		11870 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
Frame leveling corrector	a9	9 °
Performances		
Lifting		19.80 s
Lowering		13.40 s
Extension		22 s
Retraction		18.30 s
Crowd		6.20 s
Dump		6.70 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 cm ³
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/s ²
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

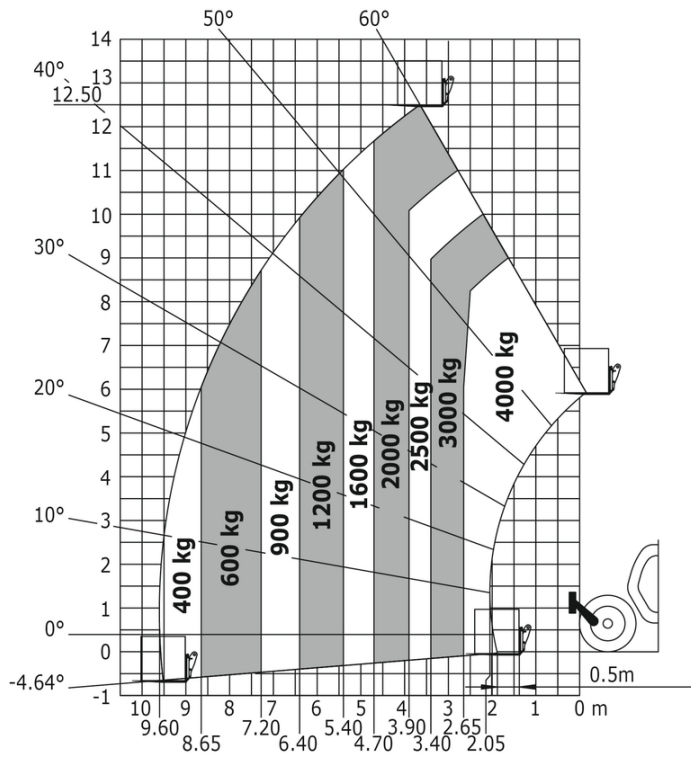
	Standard	Comfort
Lifting function		
Attachment hydraulic line	0	S
Easy Connect System (ECS)	0	0
Operator station		
Additional handle in the cab right hand side	0	0
Adjustable and telescopic steering column	0	S
Air suspension cloth-covered seat	0	0
Bluetooth USB radio - With extra microphone - 100W	0	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
Plug for MANITOU external charger - 30kW DC - Lithium-ion	S	-
Three-phase charging cable kit + adapters	S	S
Lighting		
LED front road lights	S	S
LED front work lights	0	0
LED rear work lights	0	0
LED work lights - On boom head (Telescopic part)	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 1840 e - Dimensional drawing

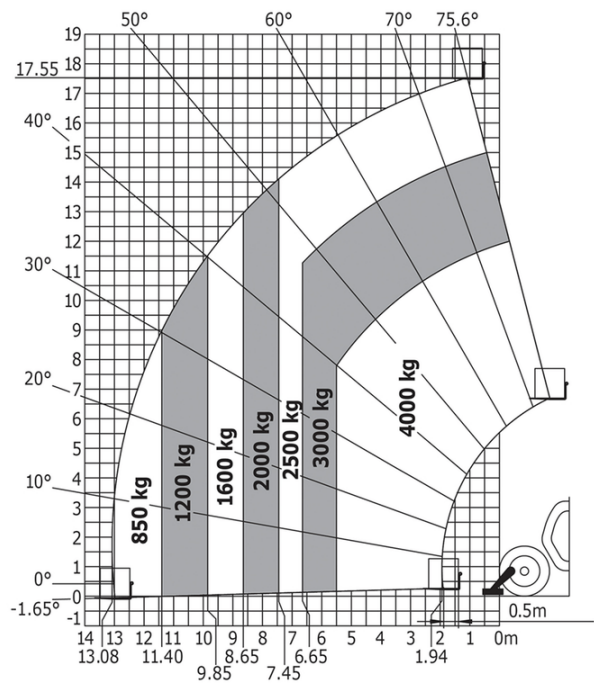


MT 1840 e - Load chart

Machine on tires with forks Metric



Machine on lowered stabilisers with forks Metric





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