Technical sheet :

MT 1840 E

OXYGEN

MANITOU
HANDLING YOUR WORLD

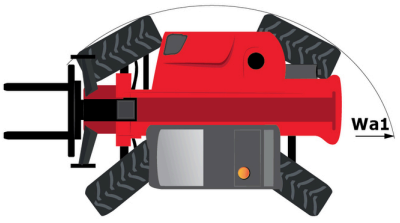
Capacities		Metric
Max. capacity	Q	4000 kg
Max. lifting height		17.55 m
Max. outreach		13.10 m
Weight and dimensions		
Overall length to carriage	l11	6.21 m
Overall width	b1	2.36 m
Overall height	h17	2.49 m
Wheelbase	y	3.07 m
Ground clearance	m4	0.37 m
Overall cab width	b4	0.95 m
Tilt-up angle	a4	16 °
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 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

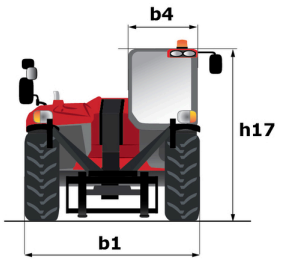
Options / Finishing

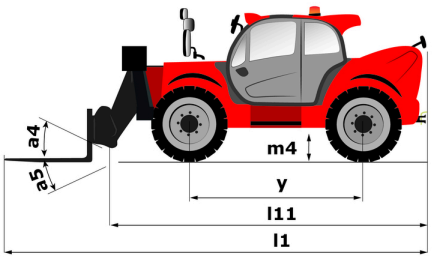
S : Standard / O : Optional / - : Not available

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

MT 1840 e - Dimensional drawing

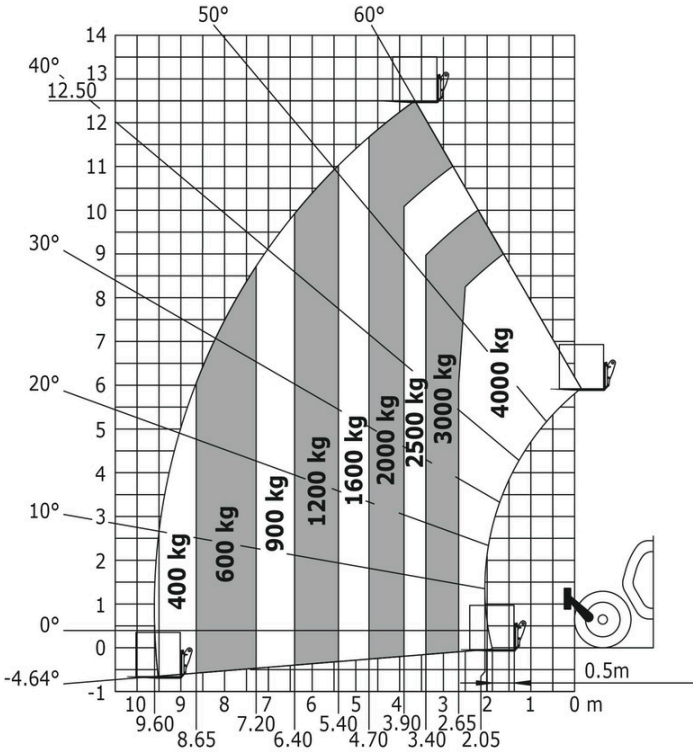




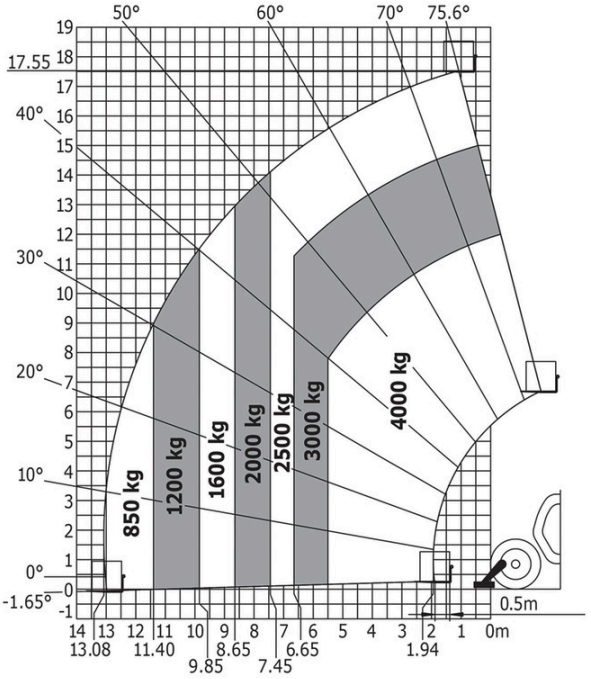


MT 1840 e - Load chart

Machine on tires with forks Metric



Machine on lowered stabilisers with forks Metric



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