

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 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

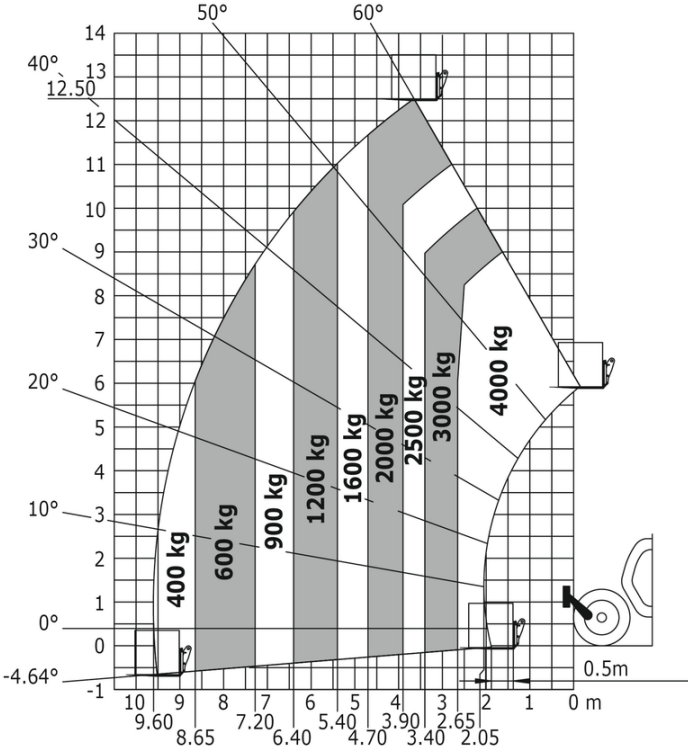
| | Standard | Comfort |
|---|----------|---------|
| Lifting function | | |
| Attachment hydraulic line | 0 | S |
| Easy Connect System (ECS) | 0 | 0 |
| Operator station | | |
| Additional handle in the cab right hand side | 0 | 0 |
| Adjustable and telescopic steering column | 0 | S |
| Air suspension 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 | S | S |
| LED front work lights | 0 | 0 |
| LED rear work lights | 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 1840 e - Dimensional drawing

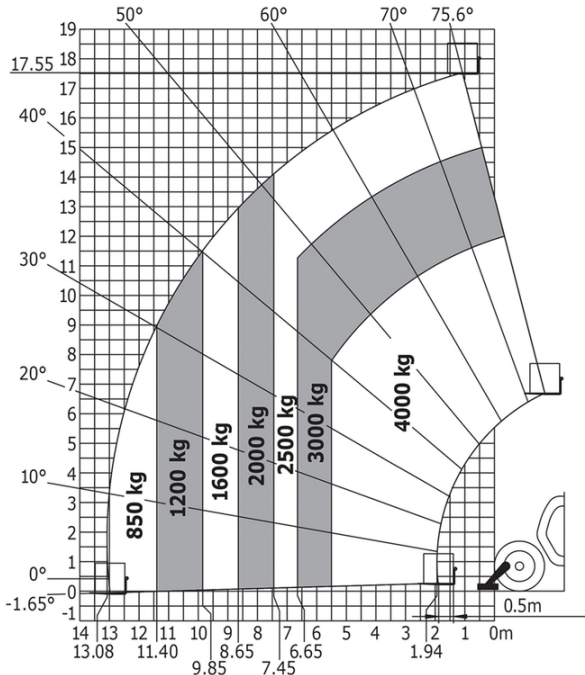


MT 1840 e - Load chart

Machine on tires with forks Metric



Machine on lowered stabilisers with forks Metric





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