Technical sheet :

# MT 1840 HA

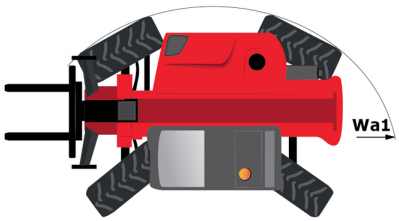


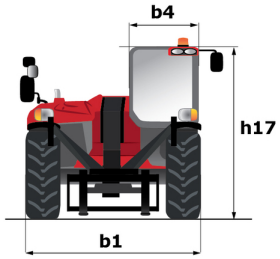

MANITOU
HANDLING YOUR WORLD

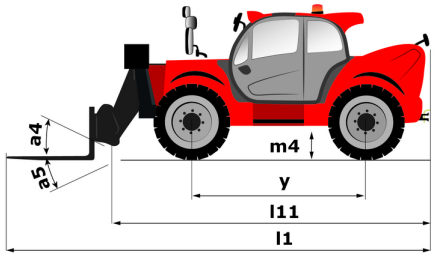
| Capacities | | Metric | Imperial |
|---|---|---|---|
| Max. capacity | | 4000 kg | 8818 lb |
| Max. lifting height | | 17.55 m | 57 ft 7 in |
| Max. outreach | | 13.08 m | 42 ft 11 in |
| Breakout force with bucket | | 8390 daN | 8390 daN |
| **Weight and dimensions** | | | |
| Overall length to carriage | l11 | 6.15 m | 20 ft 2 in |
| Length to face of forks | l2 | 6.27 m | 20 ft 7 in |
| Overall width | b1 | 2.36 m | 7 ft 9 in |
| Overall height | h17 | 2.45 m | 8 ft |
| Wheelbase | y | 3.07 m | 10 ft 1 in |
| Ground clearance | m4 | 0.37 m | 1 ft 3 in |
| Overall cab width | b4 | 0.89 m | 2 ft 11 in |
| Tilt-up angle | a4 | 12 ° | 12 ° |
| Tilt-down angle | a5 | 114 ° | 114 ° |
| External turning radius (over tyres) | Wa1 | 3.94 m | 12 ft 11 in |
| Overall weight | | 12000 kg | 26455 lb |
| Unladen weight (with man basket) | | 12680 kg | 27955 lb |
| Tires type | | Pneumatic | Pneumatic |
| Standard tires | | Alliance 400/80 - 24 - 162A8 | Alliance 400/80 - 24 - 162A8 |
| Forks length / width / section | l / e / s | 1200 mm x 125 mm / 50 mm | 47 in x 5 in / 2 in |
| **Performances** | | | |
| Lifting | | 14.20 s | 14.20 s |
| Lowering | | 14.60 s | 14.60 s |
| Extension | | 18.60 s | 18.60 s |
| Retraction | | 15.50 s | 15.50 s |
| Crowd | | 5.10 s | 5.10 s |
| Dump | | 4.80 s | 4.80 s |
| **Engine** | | | |
| Engine brand | | Perkins | Perkins |
| Engine norm | | Stage IV / Tier 4 Final | Stage IV / Tier 4 Final |
| Engine model | | 854E-E34TA | 854E-E34TA |
| Number of cylinders / Capacity of cylinders | | 4 - 3400 cm³ | 4 - 207 in³ |
| I.C. Engine power rating - Power | | 100 Hp / 75 kW | 100 Hp / 75 kW |
| Max. torque / Engine rotation | | 430 Nm @ 1400 rpm | 317 ft/lbs @ 1400 rpm |
| Drawbar pull (Laden) | | 7220 daN | 7220 daN |
| **Transmission** | | | |
| Transmission type | | Hydrostatic | Hydrostatic |
| Number of gears (forward / reverse) | | 3 / 3 | 3 / 3 |
| Max. travel speed | | 24.90 km/h | 15 mph |
| Parking brake | | Automatic parking brake | Automatic parking brake |
| Service brake | | Oil-Immersed multi-discs braking on front axles | Oil-Immersed multi-discs braking on front axles |
| **Hydraulics** | | | |
| Hydraulic pump type | | Gear pump | Gear pump |
| Hydraulic flow / Pressure | | 170 l/min-270 bar | 45 US gpm-3916 PSI |
| **Tank capacities** | | | |
| Engine oil | | 7.50 l | 2 US gal |
| Hydraulic oil | | 135 l | 36 US gal |
| Fuel tank | | 140 l | 37 US gal |
| DEF tank capacity | | 21.60 l | 6 US gal |
| **Noise and vibration** | | | |
| Noise at driving position (LpA) | | 18 dB | 18 dB |
| Noise to environment (LwA) | | 103 dB | 103 dB |
| Vibration on hands/arms | | < 2.50 m/s² | < 2.50 m/s² |
| **Compatible platform** | | | |
| Platform capacity | Q | 1000 kg | 2205 lb |
| Number of people | | 3 | 3 |
| Platform dimensions (length x width) | lp / ep | 5000 m x 1200 m | 16404 ft 2 in x 3937 ft |
| Platform weight* | | 1150 kg | 2535 lb |
| **Miscellaneous** | | | |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Safety / Safety cab homologation | | Standard EN 15000 / ROPS - FOPS level 2 cab | Standard EN 15000 / ROPS - FOPS level 2 cab |
| Controls | | JSM | JSM |
| Additional information | | Data indicated with basket basket, except max. capacity, lifting height and offset. | Data indicated with basket basket, except max. capacity, lifting height and offset. |

Data indicated with basket basket, except max. capacity, lifting height and offset.

# MT 1840 HA - Dimensional drawing

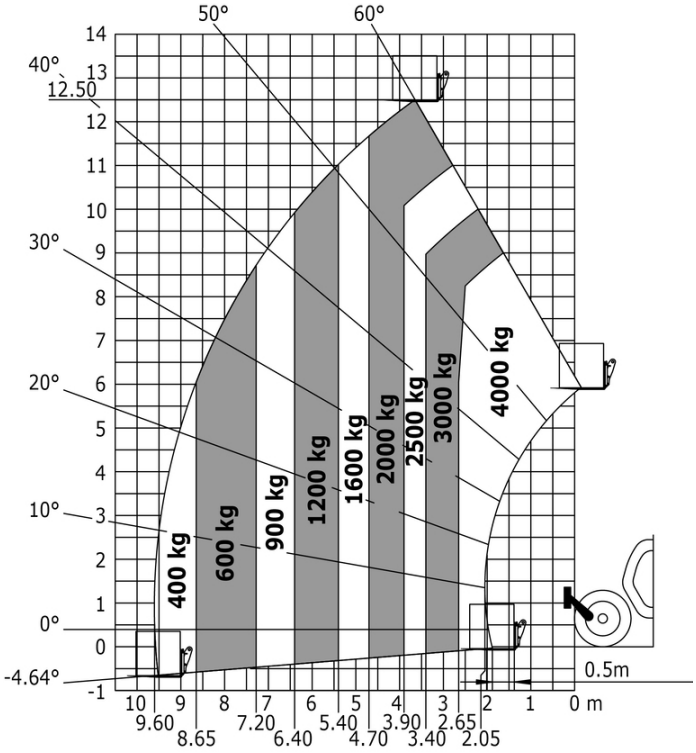


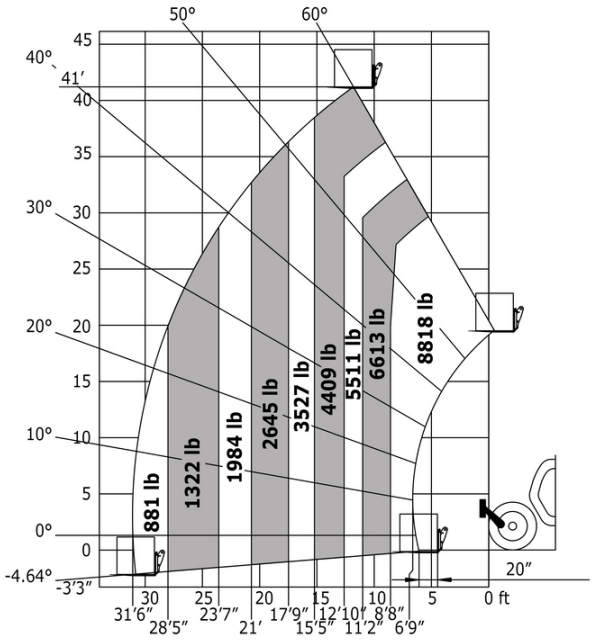




# MT 1840 HA - Load chart

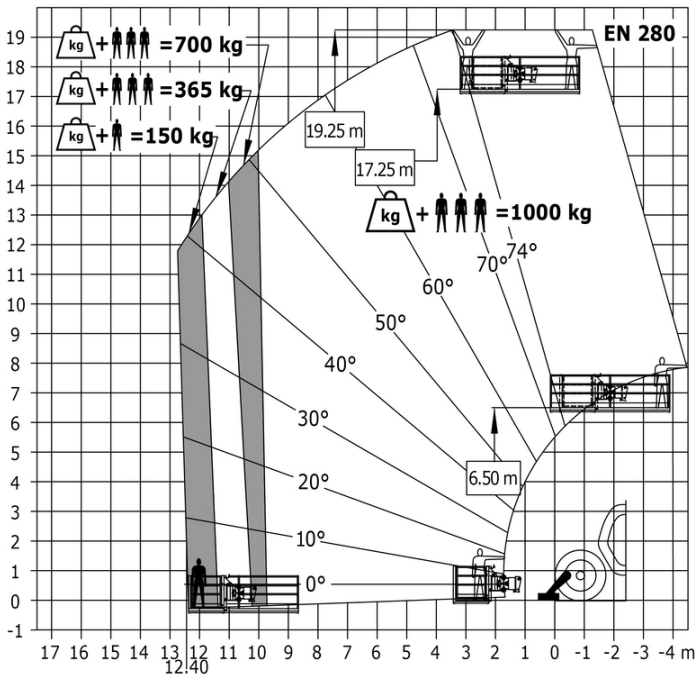
## Machine on tyres with forks - with levelling device Metric



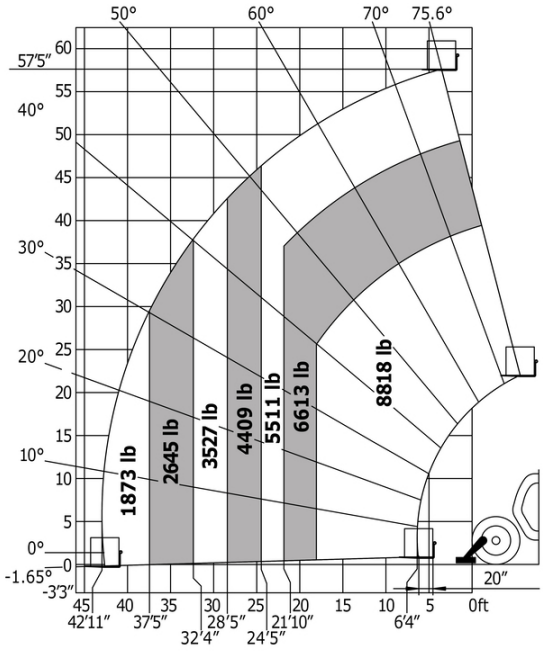

## Machine on tyres with forks Imperial



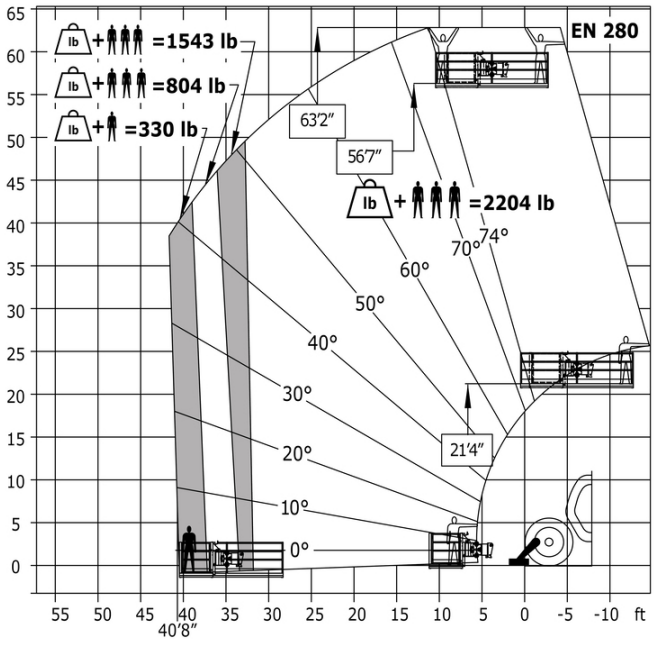
## Machine on stabilisers with Man basket Metric




## Machine on lowered stabilisers with forks Imperial




## Machine on stabilisers with Man basket Imperial



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