

Technical sheet :

MT 1840 A STG4



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Imperial |
|--|-----------|--|
| Max. capacity | Q | 8818 lb |
| Max. lifting height | | 57 ft 7 in |
| Max. outreach | | 42 ft 11 in |
| Breakout force with bucket | | 7706 daN |
| Weight and dimensions | | |
| Overall length to carriage | l11 | 20 ft 2 in |
| Length to face of forks | l2 | 20 ft 7 in |
| Overall width | b1 | 7 ft 9 in |
| Overall height | h17 | 8 ft |
| Wheelbase | y | 10 ft 1 in |
| Ground clearance | m4 | 1 ft 3 in |
| Overall cab width | b4 | 2 ft 11 in |
| Tilt-up angle | a4 | 12 ° |
| Tilt-down angle | a5 | 114 ° |
| External turning radius (over tyres) | Wa1 | 12 ft 11 in |
| Overall weight | | 27337 lb |
| Unladen weight (with man basket) | | 27888 lb |
| Tires type | | Inflatable |
| Standard tires | | Alliance 400/80 - 24 - 162A8 |
| Forks length / width / section | l / e / s | 47 in x 5 in x 2 in |
| Performances | | |
| Lifting | | 14.20 s |
| Lowering | | 14.60 s |
| Extension | | 18.60 s |
| Retraction | | 15 s |
| Crowd | | 5.10 s |
| Dump | | 4.80 s |
| Engine | | |
| Engine brand | | Perkins |
| Engine norm | | Stage IV, Tier 4 final |
| Engine model | | 854F-E34TA |
| Number of cylinders / Capacity of cylinders | | 4 - 207 in ³ |
| Engine power (Hp/kW) | | 102 Hp / 75 kW |
| Max. torque / Engine rotation | | 317 ft/lbs @ 1400 rpm |
| Drawbar pull (Laden) | | 6680 daN |
| Transmission | | |
| Transmission type | | Torque converter |
| Number of gears (forward / reverse) | | 4 / 4 |
| Max. travel speed | | 15 mph |
| Max. travel speed (may vary according to applicable regulations) | | 16 mph |
| Parking brake | | Automatic parking brake |
| Service brake | | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics | | |
| Hydraulic pump type | | Gear pump |
| Hydraulic flow / Pressure | | 28 US gpm-3916 PSI |
| Tank capacities | | |
| Engine oil | | 2 US gal |
| Hydraulic oil | | 36 US gal |
| Diesel Exhaust fluid (AdBlue® type) tank capacity | | 6 US gal |
| Fuel tank capacity | | 37 US gal |
| Noise and vibration | | |
| Noise at driving position (LpA) | | 78 dB |
| Noise to environment (LwA) | | 103 dB |
| Vibration on hands/arms | | < 8 ft/s ² |
| Compatible platform | | |
| Platform capacity | Q | 2205 lb |
| Number of people | | 3 |
| Platform dimensions (length x width) | lp / ep | 16404 ft 2 in x 3937 ft |
| Platform weight* | | 2535 lb |
| Miscellaneous | | |
| Steering wheels (front / rear) | | 2 / 2 |
| Drive wheels (front / rear) | | 2 / 2 |
| Safety / Cab certification | | Standard EN 15000 / Cabin ROPS - FOPS level 2 |
| Controls | | JSM |

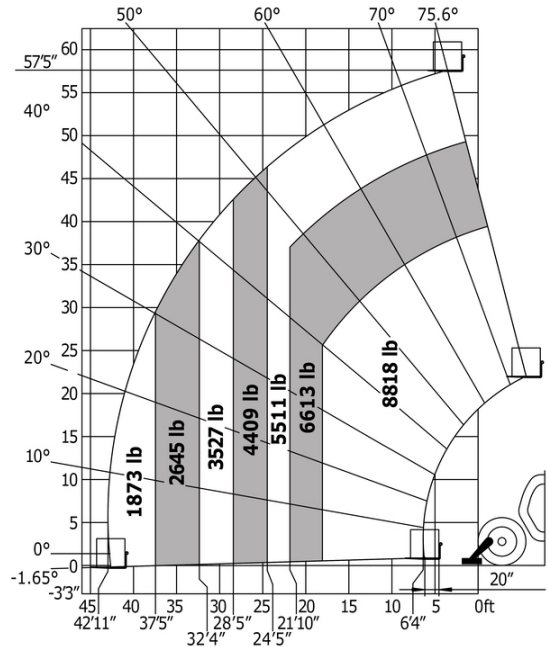
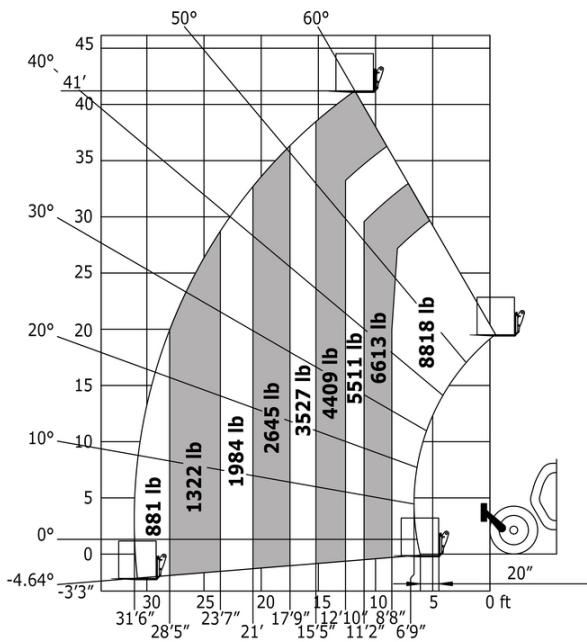
MT 1840 A STG4 - Dimensional drawing



MT 1840 A STG4 - Load chart

Machine on tires with forks - with levelling device Imperial

Machine on lowered stabilisers with forks Imperial





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