Technical sheet:

## MRT 1440 EASY T4 ST $40^{\circ}$



Coy MANITOU

MRT 1440 EASY T4ST 4OO ${ }^{\circ}$ Created on April 25 , 2024 at 6:26:11 AM UTC

| Capacities |  | Metic | Imperial |
| :---: | :---: | :---: | :---: |
| Max. capacity |  | 4000 kg | 8818 lb |
| Max. lifting height |  | 13.80 m | 45 ft 3 in |
| Max. outreach |  | 11.50 m | 37 ft 9 in |
| Weight and dimensions |  |  |  |
| Overall length (with forks) | 11 | 6.55 m | 21 ft 6 in |
| Length to face of forks | 12 | 5.35 m | 17 ft 7 in |
| Overall width | b1 | 2.40 m | 7 ft 10 in |
| Overall height | h17 | 2.97 m | 9 ft 9 in |
| Overall cab width | b4 | 0.95 m | 3 ft 1 in |
| Outer frame turning radius | Wa3 | 3.90 m | 12 ft 10 in |
| Ground clearance | m4 | 0.34 m | 1 ft 1 in |
| Wheelbase | y | 2.32 m | 7 ft 7 in |
| Tilt-up angle | a4 | $12^{\circ}$ | $12^{\circ}$ |
| Tilt-down angle | a5 | $105^{\circ}$ | $105^{\circ}$ |
| Overall weight |  | 12825 kg | 28274 lb |
| Forks length / width / section | 1/e/s | $1200 \mathrm{~mm} \times 125 \mathrm{~mm} \times 50 \mathrm{~mm}$ | 47 in $\times 5$ in $\times 2$ in |
| Wheels |  |  |  |
| Standard tires |  | 405/70-20 | 405/70-20 |
| Drive wheels (front / rear) |  | 2 / 2 | 2 / 2 |
| Steering mode |  | 2 wheel steer, 4 wheel steer, Crab mode | 2 wheel steer, 4 wheel steer, Crab mode |
| Stabilisers |  |  |  |
| Stabs Type |  | Wing Type | Wing Type |
| Controls with stabs |  | Stabs Commands Individual or Simultaneous | Stabs Commands Individual or Simultaneous |
| Engine |  |  |  |
| Engine brand |  | Perkins | Perkins |
| Engine norm |  | Stage IV / Tier 4 Final | Stage IV / Tier 4 Final |
| Engine model |  | 854 E-E 34 TA | 854 E-E 34 TA |
| I.C. Engine power rating / Power / Engine rotation |  | $102 \mathrm{Hp} / 75 \mathrm{~kW}$ @ 1200 rpm | $102 \mathrm{Hp} / 75 \mathrm{~kW}$ @ 1200 rpm |
| Max. torque |  | 430 Nm | $317 \mathrm{ft} / \mathrm{lbs}$ |
| Number of cylinders - Capacity of cylinders |  | $4-3400 \mathrm{~cm}^{3}$ | 4-207 $\mathrm{in}^{3}$ |
| Injection |  | engine Injection direct | engine Injection direct |
| Engine cooling system |  | Water | Water |
| Electic circuit |  |  |  |
| Number of batteries / Battery voltage |  | $1 \times 12 \mathrm{~V}$ | $1 \times 12 \mathrm{~V}$ |
| 12V Battery capacity |  | 120 Ah | 120 Ah |
| Transmission |  |  |  |
| Transmission type |  | Hydrostatic | Hydrostatic |
| Number of gears (forward / reverse) |  | $2 / 2$ | 2 / 2 |
| Max. travel speed |  | $32 \mathrm{~km} / \mathrm{h}$ | 20 mph |
| Drawbar pull |  | 8600 daN | 8600 daN |
| Parking brake |  | Automatic negative parking brake | Automatic negative parking brake |
| Service brake |  | Hydraulic | Hydraulic |
| Hydraulics |  |  |  |
| Hydraulic pump type |  | Gear pump | Gear pump |
| Hydraulic flow |  | $115 \mathrm{I} / \mathrm{min}$ | 30 US gpm |
| Hydraulic Pressure |  | 270 bar | 3916 PSI |
| Tank capacities |  |  |  |
| Hydraulic oil |  | 1501 | 40 US gal |
| Fuel tank |  | 1301 | 34 US gal |
| Diesel Exhaust fluid (AdBlue® type) |  | 191 | 5 US gal |
| Noise and vibration |  |  |  |
| Noise at driving position (LpA) |  | 79.70 dB | 79.70 dB |
| Noise to environment (LwA) |  | 104 dB | 104 dB |
| Vibration to whole hand/arm |  | $<2.50 \mathrm{~m} / \mathrm{s}^{2}$ | $<2.50 \mathrm{~m} / \mathrm{s}^{2}$ |
| Miscellaneous |  |  |  |
| Steering wheels (front / rear) |  | 2 / 2 | 2 / 2 |
| Controls |  | 2 Joysticks | 2 Joysticks |
| Safety cab homologation |  | ROPS - FOPS level 2 cab | ROPS - FOPS level 2 cab |
| Attachment recognition system (E-Reco) |  | Standard | Standard |
| Load center of gravity | c | 500 mm | 20 in |

MRT 1440 Easy T4 S1 $400^{\circ}$ - Dimensional drawing


| Other data |  | Metic | Imperial |
| :---: | :---: | :---: | :---: |
| Length of frame | 114 | 4.35 m | 14 ft 3 in |
| Wheelbase | y | 2.32 m | 7 ft 7 in |
| Ground clearance | m4 | 0.34 m | 1 ft 1 in |
| Counterweight offset (turret at $90^{\circ}$ ) | a7 | 2.04 m | 6 ft 8 in |
| Tilt-up angle | a4 | $12^{\circ}$ | $12^{\circ}$ |
| Tilt-down angle | a5 | $105^{\circ}$ | $105^{\circ}$ |
| Overall length at stabilisers | 112 | 4.30 m | 14 ft 1 in |
| Outer frame turning radius | Wa3 | 3.90 m | 12 ft 10 in |
| Outer turning radius (with forks) | b15 | 5.25 m | 17 ft 3 in |
| Overall width with stabilisers extended | b7 | 3.98 m | 13 ft 1 in |
| Overall height | h17 | 2.97 m | 9 ft 9 in |
| Ground clearance under front tires on stabilizers | m5 | 0.16 m | 6 in |

MRT 1440 Easy T4 S1 $400^{\circ}$ - Load chart

Machine on tyres with forks Metric


Machine on tyres with forks Imperial



Machine on lowered stabilisers with 1500 kg jib Metric


Machine on lowered stabilisers with forks Imperial


Machine on lowered stabilisers with 1500 kg jib Imperial


Machine on lowered stabilisers with $365 / 1000 \mathrm{~kg}$ platform Machine on lowered stabilisers with $365 / 1000 \mathrm{~kg}$ platform Metric

Imperial



Machine on lowered stabilisers with 3D positive / negative Machine on lowered stabilisers with 3D positive / negative Metric Imperial


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## Head Office

B.P. 249-430 rue de l'Aubinière

44150 Ancenis Cedex - France
Tel: +33 (0)2 40091011 - Fax: +33 (0)2 40091097
www.manitou.com


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