

Technical sheet :

MRT-X 3570 ES

VISION +



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|-----------|--|
| Max. capacity | Q | 7000 kg |
| Max. lifting height | | 34.60 m |
| Max. outreach | | 28 m |
| Weight and dimensions | | |
| Overall length (with forks) | l1 | 10.06 m |
| Length to face of forks | l2 | 8.86 m |
| Overall width | b1 | 2.50 m |
| Overall height | h17 | 3.26 m |
| Overall cab width | b4 | 0.96 m |
| External turning radius (over tyres) | Wa1 | 5.16 m |
| Ground clearance | m4 | 0.39 m |
| Wheelbase | y | 3.75 m |
| Frame leveling longitudinal +/- | | 3 ° |
| Tilt-up angle | a4 | 13 ° |
| Tilt-down angle | a5 | 108 ° |
| Turret rotation | | 360 ° |
| Overall weight | | 24000 kg |
| Forks length / width / section | l / e / s | 1200 mm x 125 mm x 60 mm |
| Wheels | | |
| Standard tires | | ASCENSO - WLB550 - 17.5-25 |
| Drive wheels (front / rear) | | 2 / 2 |
| Steering mode | | 2 wheel steer, 4 wheel steer, Crab mode |
| Stabilisers | | |
| Stabilizers Type | | Telescopic Triplex |
| Controls for stabs | | Stabs Commands Individual or Simultaneous |
| Engine | | |
| Engine brand | | Yanmar |
| Engine norm | | Stage IIIA |
| Engine model | | 4TN107FTT-6SMU2 |
| Engine power (Hp / kW) | | 211 Hp / 155 kW |
| Max. torque / Engine rotation (min) | | 805 Nm @ 1500 rpm |
| Number of cylinders - Capacity of cylinders | | 4 - 4567 cm ³ |
| Engine cooling system | | Water cooled |
| Electric circuit | | |
| Number of batteries / Battery voltage | | 2 x 12 V |
| 12V Battery capacity | | 120 Ah |
| Battery starting current | | (EN)850 A |
| Transmission | | |
| Transmission type | | Hydrostatic with CVT |
| Max. travel speed | | 40 km/h |
| Drawbar pull | | 9300 daN |
| Parking brake | | Automatic negative parking brake |
| Service brake | | Oil-immersed multi-discs braking on front & rear axles |
| Performances | | |
| Gradeability (laden / unladen) | | 29 % / 38.70 % |
| Hydraulics | | |
| Hydraulic pump type | | Variable displacement pump |
| Hydraulic flow | | 172 l/min |
| Hydraulic Pressure | | 350 bar |
| Tank capacities | | |
| Engine oil | | 13 l |
| Fuel tank capacity | | 320 l |
| Noise and vibration | | |
| Noise at driving position (LpA) | | 68 dB |
| Noise to environment (LwA) | | 109 dB |
| Vibration on hands/arms | | < 2.60 m/s ² |
| Miscellaneous | | |
| Steering wheels (front / rear) | | 2 / 2 |
| Controls | | 2 Joysticks |
| Cab certification | | Cabin ROPS - FOFS level 2 |
| Attachment recognition system (E-Reco) | | Standard |

MRT-X 3570 ES - Dimensional drawing



| Other data | | Metric |
|---|-----|--------|
| Length of frame | l14 | 6.80 m |
| Counterweight offset (turret at 90°) | a7 | 3.75 m |
| Overall length at stabilisers | l12 | 6.50 m |
| Overall width with stabilisers extended | b7 | 7.42 m |
| Frame leveling corrector | a9 | +/- 8° |
| Ground clearance under front tires on stabilizers | m5 | 0.37 m |

MRT-X 3570 ES - Load chart

Machine on tires with forks Metric



Machine on lowered stabilisers with forks Metric



Machine on lowered stabilisers with winch 7200 kg (metric)

Machine on lowered stabilisers with 1500 kg jib Metric



Machine on lowered stabilisers with hook 9000 kg (Metric)

Machine on lowered stabilisers with 365 kg platform Metric



Machine on lowered stabilisers with 3D positive Metric





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