

Technical sheet :

# **MHT 11250 MINING ST5**

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| Capacities                                  |           | Metric   |
|---|-----------|--|
| Max. capacity                               |           | 24999 kg   |
| Load center of gravity                      | c         | 900 mm   |
| Max. lifting height                         |           | 10.60 m  |
| Maximum outreach                            |           | 6 m  |
| Weight and dimensions                       |           |  |
| Overall length                              | l1        | 8.92 m   |
| Unladen weight (with forks)                 |           | 31610 kg   |
| Ground clearance                            | m4        | 0.47 m   |
| Wheelbase                                   | y         | 4.10 m   |
| Length to face of forks                     | l2        | 7.12 m   |
| Overall width                               | b1        | 2.84 m   |
| Overall height                              | h17       | 3.03 m   |
| Overall cab width                           | b4        | 0.95 m   |
| Tilt-up angle                               | a4        | 12 °   |
| Tilt-down angle                             | a5        | 105 °  |
| External turning radius (over tyres)        | Wa1       | 5.50 m   |
| Forks length / width / section              | l / e / s | 1800 mm x 220 mm x 100 mm                              |
| Frame leveling corrector                    | a9        | 10 °   |
| Wheels                                      |           |  |
| Standard tires                              |           | 18.00 R25  |
| Number of front wheels / rear wheels        |           | 2 / 2  |
| Drive wheels (front / rear)                 |           | 2 / 2  |
| Steering mode                               |           | 2 wheel steer, 4 wheel steer, Crab mode                |
| Engine                                      |           |  |
| Engine brand                                |           | Yanmar   |
| Engine nom                                  |           | Stage V, Tier 4  |
| Engine model                                |           | 4TN107TF-6SMU2   |
| Number of cylinders / Capacity of cylinders |           | 4 - 4567 cm³   |
| I.C. Engine power rating / Power            |           | 211 Hp / 155 kW  |
| Max. torque / Engine rotation               |           | 805 Nm@1500 rpm  |
| Engine cooling system                       |           | Water  |
| Number of batteries                         |           | 2  |
| Battery voltage                             |           | 12 V   |
| Transmission                                |           |  |
| Transmission type                           |           | Hydrostatic  |
| Number of gears (forward / reverse)         |           | 2 / 2  |
| Max. travel speed                           |           | 25 km/h  |
| Parking brake                               |           | Automatic negative parking brake                       |
| Service brake                               |           | Oil-immersed multi-discs braking on front & rear axles |
| Gradeability (laden / unladen)              |           | 57.70 % / 31.50 %                                      |
| Hydraulics                                  |           |  |
| Hydraulic pump type                         |           | Variable displacement pump                             |
| Hydraulic flow - Pressure                   |           | 275 l/min - 350 bar                                    |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 13 l   |
| Fuel tank                                   |           | 315 l  |
| Miscellaneous                               |           |  |
| Cab certification                           |           | Cabin ROPS - FOPS level 2                              |
| Controls                                    |           | JSM  |

### MHT 11250 Mining ST5 - Dimensional drawing





Machine on tires with underground mining platform (Metric)



Machine on tires with tire handler TH 63 (Metric)



Machine on tires with cylinder handler CH 10 (Metric)



# Mining Specifications

|  | MHT 11250 Mining ST5 |
|--|----------------------|
| <b>Lifting function</b>                                    |                      |
| Camera in boom head with screen in cab                     | 0                    |
| Clamp predisposition (controls from cabin)                 | S                    |
| Working platform predisposition with remote control        | S                    |
| <b>Lighting</b>  |                      |
| Brake Lights ON When Park Brake ON                         | S                    |
| Flat Led Rotating Beacon                                   | S                    |
| LED Flashing Lights On Cabin (Marker Lights)               | S                    |
| LED trammig lights   | S                    |
| LED work lights - On the top of the boom (fixed part) (x2) | S                    |
| LED working lights on cab (x4 : 2 front + 2 rear)          | S                    |
| <b>Motorization/Power</b>                                  |                      |
| Hydraulic hose sleeve burst protection                     | S                    |
| Radiator safety cap  | S                    |
| <b>Operator station</b>                                    |                      |
| Cabin first step at 400 mm                                 | S                    |
| Roof and Windshield Guard                                  | S                    |
| <b>Other options</b>                                       |                      |
| Battery + Starter Isolators + Jump Start Receptacle        | S                    |
| Stainless steel tool box                                   | S                    |
| <b>Pneumatics</b>  |                      |
| Steel mudguards  | 0                    |
| <b>Secondary functions</b>                                 |                      |
| Automatic greasing system (AGS) - Chassis + boom           | 0                    |
| Fast fuel filling system                                   | 0                    |
| <b>Security</b>  |                      |
| "Guardian Angel" System Level 1                            | S                    |
| 360° visibility safety system                              | S                    |
| Boom cylinder lock   | S                    |
| Electromagnetic braking system TELMA                       | 0                    |
| Emergency steering   | S                    |
| Emergency stop by safety valve                             | 0                    |
| Emergency stop: 1 in cab, 2 on external                    | S                    |
| Engine compartment fire prevention kit                     | 0                    |
| Extinguisher brackets (x3)                                 | S                    |
| Fire suppression system                                    | 0                    |
| Fuse board protection - MHT's                              | S                    |
| High visibility reflective strips                          | S                    |
| Loose wheel nut indicators                                 | S                    |
| Marking - Warning & Danger decals                          | S                    |
| Mining protection grids: right, left and back windows      | 0                    |
| Negative brakes on front & rear axles                      | S                    |
| Rear bumper  | 0                    |
| Right side bumper  | 0                    |
| Steel Protection Guards on all working and road lights     | S                    |
| System with attachments recognition (E-reco)               | S                    |
| Wheel chocks   | S                    |

# Equipment

## Standard

"Guardian Angel" System Level 1  
360° visibility safety system  
Battery + Starter Isolators + Jump Start Receptacle  
Boom cylinder lock  
Brake Lights ON When Park Brake ON  
Cabin first step at 400 mm  
Clamp predisposition (controls from cabin)  
Emergency steering  
Emergency stop: 1 in cab, 2 on external  
Extinguisher brackets (x3)  
Flat Led Rotating Beacon  
Fuse board protection - MHT's  
High visibility reflective strips  
Hydraulic hose sleeve burst protection  
LED Flashing Lights On Cabin (Marker Lights)  
LED tramping lights  
LED work lights - On the top of the boom (fixed part) (x2)  
LED working lights on cab (x4 : 2 front + 2 rear)  
Loose wheel nut indicators  
Marking - Warning & Danger decals  
Negative brakes on front & rear axles  
Radiator safety cap  
Roof and Windshield Guard  
Stainless steel tool box  
Steel Protection Guards on all working and road lights  
System with attachments recognition (E-reco)  
Wheel chocks  
Working platform predisposition with remote control

## Optional

Automatic greasing system (AGS) - Chassis + boom  
Camera in boom head with screen in cab  
Electromagnetic braking system TELMA  
Emergency stop by safety valve  
Engine compartment fire prevention kit  
Fast fuel filling system  
Fire suppression system  
Mining protection grids: right, left and back windows  
Rear bumper  
Right side bumper  
Steel mudguards



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