

Fiche technique :

# MHT-X 790 MINING

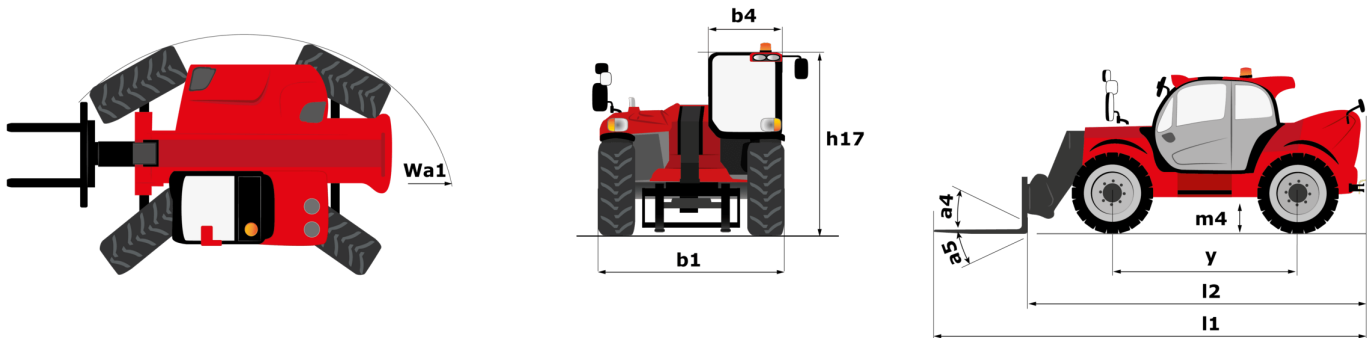
---



 **MANITOU**  
HANDLING YOUR WORLD

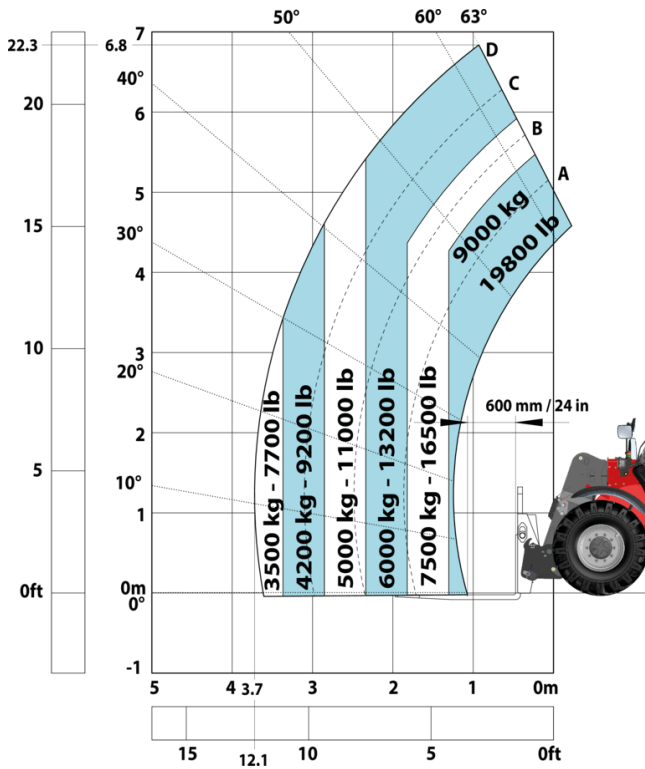
| Capacities                                  |           | Métrique                                               |
|---------------------------------------------|-----------|--------------------------------------------------------|
| Max. capacity                               |           | 9000 kg                                                |
| Load center of gravity                      | c         | 600 mm                                                 |
| Max. lifting height                         |           | 6.80 m                                                 |
| Max. outreach                               |           | 3.70 m                                                 |
| Weight and dimensions                       |           |                                                        |
| Unladen weight (with forks)                 |           | 13160 kg                                               |
| Ground clearance                            | m4        | 0.44 m                                                 |
| Wheelbase                                   | y         | 2.87 m                                                 |
| Length to face of forks                     | l2        | 5.21 m                                                 |
| Overall width                               | b1        | 2.47 m                                                 |
| Overall height                              | h17       | 2.50 m                                                 |
| Overall cab width                           | b4        | 0.93 m                                                 |
| Tilt-down angle                             | a5        | 125 °                                                  |
| Tilt-up angle                               | a4        | 12 °                                                   |
| External turning radius (over tyres)        | Wa1       | 4.89 m                                                 |
| Forks length / width / section              | l / e / s | 1200 mm x 200 mm / 60 mm                               |
| Wheels                                      |           |                                                        |
| Standard tires                              |           | 445/65 R22,5                                           |
| Number of front wheels / rear wheels        |           | 2 / 2                                                  |
| Steering wheels (front / rear)              |           | 2 / 2                                                  |
| Drive wheels (front / rear)                 |           | 2 / 2                                                  |
| Steering mode                               |           | 2 wheel steer, 4 wheel steer, Crab mode                |
| Engine                                      |           |                                                        |
| Engine brand                                |           | John Deere                                             |
| Engine norm                                 |           | Stage IIIA                                             |
| Number of cylinders / Capacity of cylinders |           | 4 - 4567 cm³                                           |
| I.C. Engine power rating / Power            |           | 143 Hp / 105 kW                                        |
| Max. torque / Engine rotation               |           | 602 Nm@1500 rpm                                        |
| Engine cooling system                       |           | Water                                                  |
| Battery voltage                             |           | 12 V                                                   |
| Drawbar pull                                |           | 10905 daN                                              |
| Transmission                                |           |                                                        |
| Transmission type                           |           | Hydrostatic                                            |
| Number of gears (forward / reverse)         |           | 2 / 2                                                  |
| Max. travel speed                           |           | 35 km/h                                                |
| Parking brake                               |           | Automatic negative parking brake                       |
| Service brake                               |           | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics                                  |           |                                                        |
| Hydraulic pump type                         |           | Variable displacement pump                             |
| Hydraulic flow - Pressure                   |           | 185 l/min - 270 bar                                    |
| Tank capacities                             |           |                                                        |
| Engine oil                                  |           | 13 l                                                   |
| Hydraulic oil                               |           | 151 l                                                  |
| Fuel tank                                   |           | 165 l                                                  |
| Noise and vibration                         |           |                                                        |
| Noise at driving position (LpA)             |           | 79.70 dB                                               |
| Noise to environment (LwA)                  |           | 103 dB                                                 |
| Vibration on hands/arms                     |           | < 2.50 m/s²                                            |
| Miscellaneous                               |           |                                                        |
| Safety / Safety cab homologation            |           | Standard EN 15000 - ROPS - FOPS level 2 cab            |
| Controls                                    |           | JSM                                                    |

## MHT-X 790 Mining - Schémas d'encombrement



## MHT-X 790 Mining - Abaques

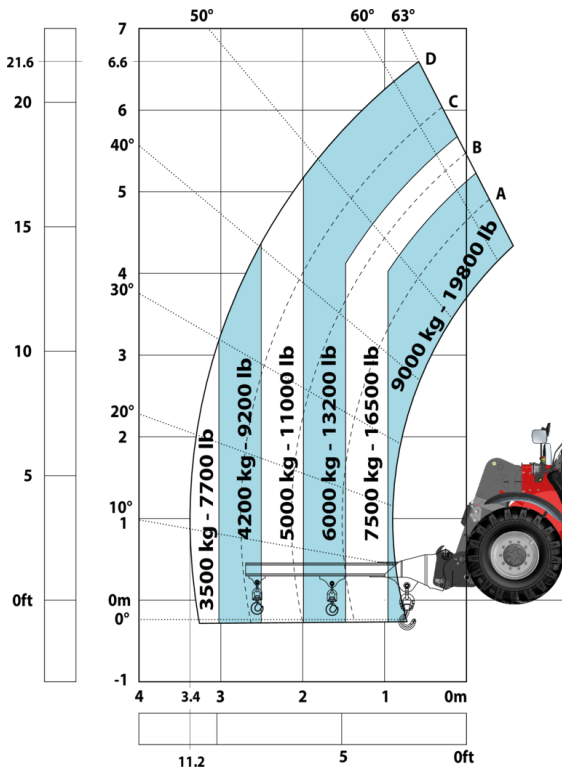
Machine on tyres with forks LC 600 mm Metric



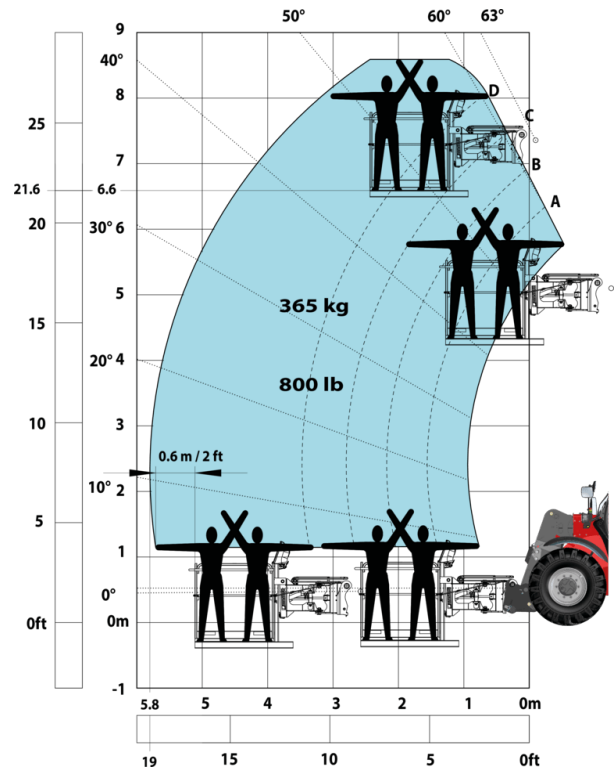
Machine on tyres with winch 9000 kg (Metric)



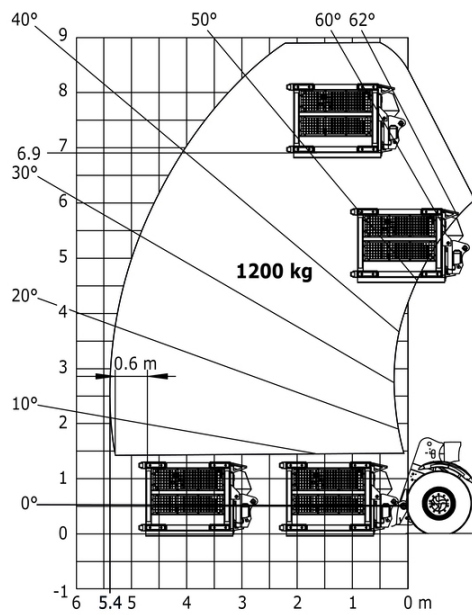
Machine on tyres with 3-hook jib 9000 kg (Metric)



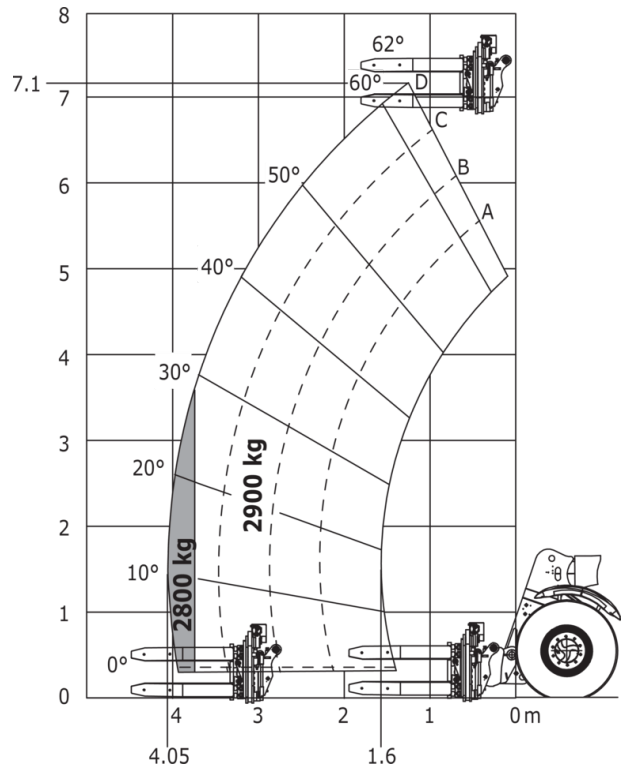
Machine on tyres with platform Metric



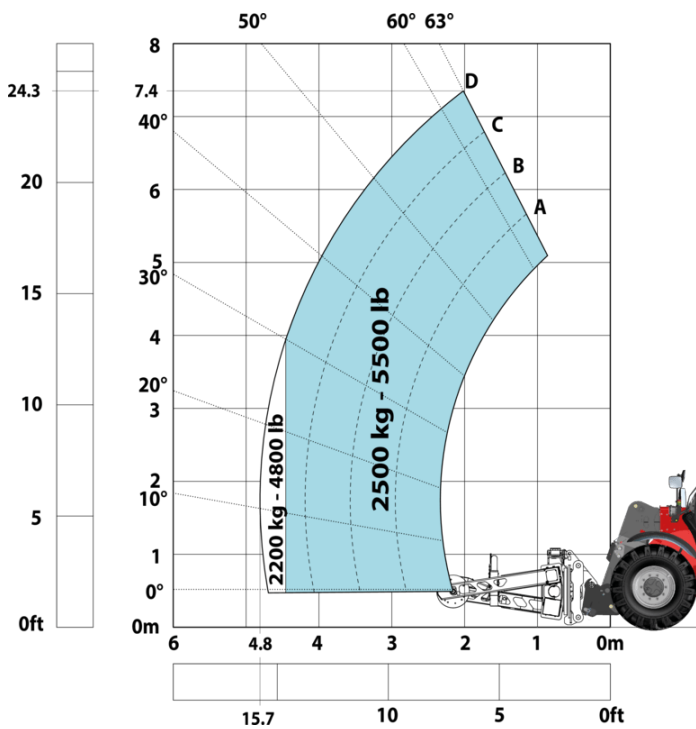
### Machine on tyres with underground mining platform (Metric)



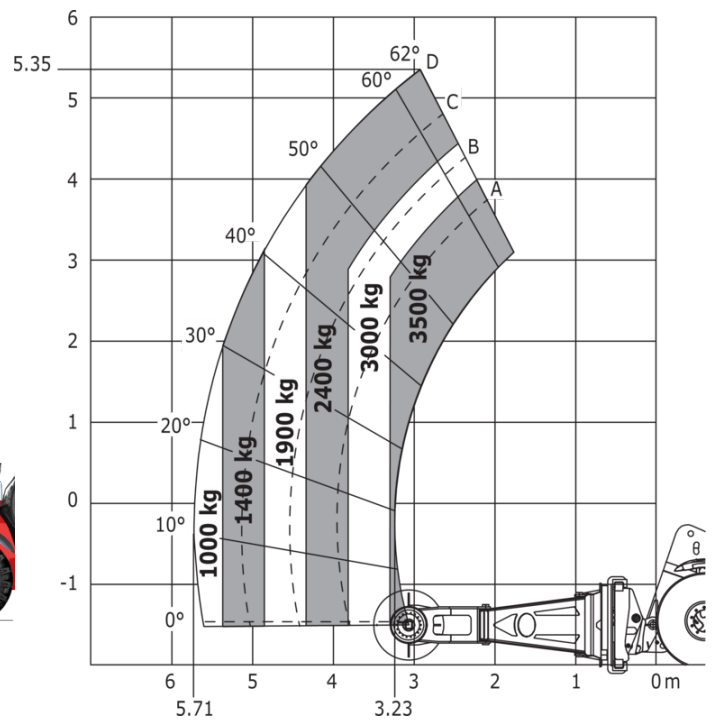
### Machine on tyres with tyre handler TH 35 (Metric)



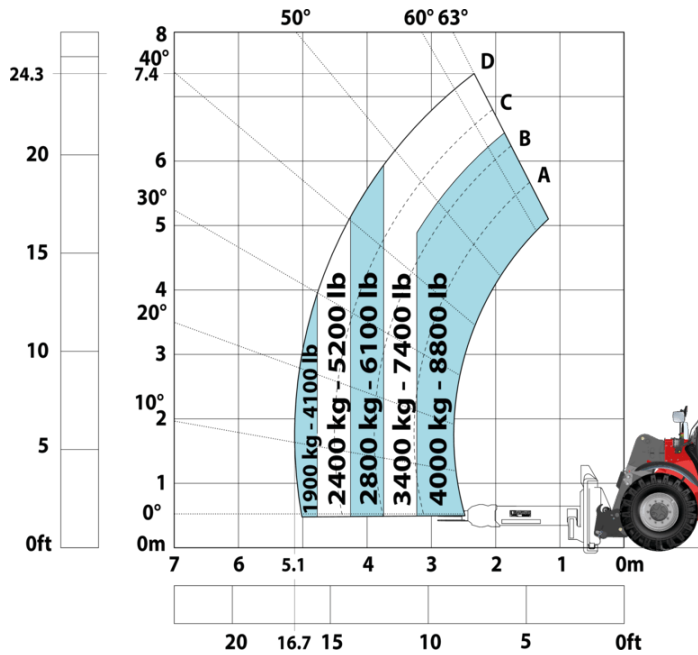
### Machine on tyres with tyre handler TH 49 (Metric)



### Machine on tyres with tyre handler TH 51 (Metric)



## Machine on tyres with cylinder handler CH 4 (Metric)



## Spécifications Mining

|                                                        | MHT-X 790 Mining |
|--------------------------------------------------------|------------------|
| <b>Lifting function</b>                                |                  |
| Clamp predisposition (controls from cabin)             | S                |
| Comfort Ride Control (CRC) boom suspension             | 0                |
| Working platform predisposition with remote control    | 0                |
| <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 tramming lights                                    | S                |
| LED work lights on the boom (x2)                       | S                |
| LED working lights on cab (x4 : 2 front + 2 rear)      | S                |
| <b>Motorization/Power</b>                              |                  |
| Exhaust fume purification system                       | S                |
| Hydraulic hose sleeve burst protection                 | 0                |
| Radiator safety cap                                    | S                |
| <b>Operator station</b>                                |                  |
| Roof and Windshield Guard                              | S                |
| <b>Other options</b>                                   |                  |
| Battery + Starter Isolators + Jump Start Receptacle    | S                |
| <b>Secondary functions</b>                             |                  |
| Automatic Greasing System (AGS) - chassis + boom       | 0                |
| <b>Security</b>                                        |                  |
| "Guardian Angel" System Level 1                        | S                |
| 360° visibility safety system                          | S                |
| Boom cylinder lock                                     | S                |
| Emergency steering                                     | 0                |
| Emergency stop: 1 in cab, 2 on external                | S                |
| 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  | S                |
| Negative brakes on front & rear axles                  | S                |
| Rear and lateral camera with cab screen                | S                |
| Steel Protection Guards on all working and road lights | S                |
| System with attachments recognition (E-reco)           | S                |
| Wheel chocks                                           | S                |

# Équipements

## 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  
Clamp predisposition (controls from cabin)  
Emergency stop: 1 in cab, 2 on external  
Exhaust fume purification system  
Extinguisher brackets (x3)  
Flat Led Rotating Beacon  
Fuse board protection - MHT's  
High visibility reflective strips  
LED Flashing Lights On Cabin (Marker Lights)  
LED tramming lights  
LED work lights on the boom (x2)  
LED working lights on cab (x4 : 2 front + 2 rear)  
Loose wheel nut indicators  
Marking - Warning & Danger decals  
Mining protection grids: right, left and back windows  
Negative brakes on front & rear axles  
Radiator safety cap  
Rear and lateral camera with cab screen  
Roof and Windshield Guard  
Steel Protection Guards on all working and road lights  
System with attachments recognition (E-reco)  
Wheel chocks

## Optionnel

Automatic Greasing System (AGS) - chassis + boom  
Comfort Ride Control (CRC) boom suspension  
Emergency steering  
Fire suppression system  
Hydraulic hose sleeve burst protection  
Working platform predisposition with remote control



**Siège Social**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



Cette publication présente le descriptif des versions et possibilités de configuration des produits Manitou qui peuvent différer en équipement. Les équipements présentés dans cette brochure peuvent être de série, en option, ou non disponibles suivant les versions. Manitou se réserve le droit, à tout moment et sans préavis, de modifier les spécifications décrites et représentées. Les spécifications portées n'engagent pas le constructeur. Pour plus de détails, contactez votre concessionnaire Manitou. Document non contractuel. Présentation des produits non contractuelle. Liste des spécifications non exhaustive. Les logos ainsi que l'identité visuelle de l'entreprise sont la propriété de Manitou et ne peuvent être utilisés sans autorisation. Tous droits réservés. Les photos et schémas contenus dans la présente brochure ne sont fournis qu'à des fins de consultation et à titre indicatif.

Manitou BF SA - Société anonyme à conseil d'administration - Capital social : 39 668 399 euros - 857 802 508 RCS Nantes