Technical sheet:

MHT-X 790 MINING ST3A

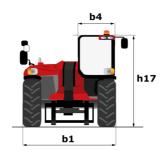


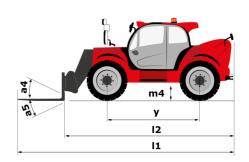


| Capacities | Metric |
|---|--|
| Max. capacity | 9000 kg |
| Load center of gravity | c 600 mm |
| Max. lifting height | 6.80 m |
| Maximum outreach | 3.70 m |
| Weight and dimensions | |
| Unladen weight (with forks) | 13160 kg |
| Ground clearance | m4 0.44 m |
| Wheelbase | y 2.87 m |
| Length to face of forks |) 12 5.21 m |
| Overall width | b1 2.47 m |
| Overall height | h17 2.50 m |
| Overall cab width | b4 0.93 m |
| Tilt-up angle | a4 12 ° |
| Tilt-down angle | a5 125° |
| • | Wa1 4.89 m |
| External turning radius (over tyres) | |
| Forks length / width / section Wheels | I / e / s 1200 mm x 200 mm x 60 mm |
| Standard tires | 445/65 R22,5 |
| | 2 / 2 |
| Number of front wheels / rear wheels | 2/2 |
| Steering wheels (front / rear) | 2/2 |
| Drive wheels (front / rear) | · · · · · · · · · · · · · · · · · · · |
| Steering mode | 2 wheel steer, 4 wheel steer, Crab mode |
| Engine | · · · · · · · · · · · · · · · · · · · |
| Engine brand | Yanmar |
| Engine norm | Stage IIIA |
| Engine model | 4TN107HT-5SMUF |
| 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 & r axles |
| Hydraulics | axies |
| | Veriable displacement num |
| Hydraulic pump type | Variable displacement pump |
| Hydraulic flow - Pressure | 185 l/min - 270 bar |
| Tank capacities | 10.1 |
| Engine oil | 131 |
| Fuel tank | 165 l |
| Noise and vibration | 100.10 |
| Noise to environment (LwA) | 103 dB |
| Vibration on hands/arms | < 2.50 m/s ² |
| Miscellaneous | |
| Safety / Cab certification | Standard EN 15000 - Cabin ROPS - FOPS leve |
| Controls | JSM |

MHT-X 790 Mining ST3A - Dimensional drawing

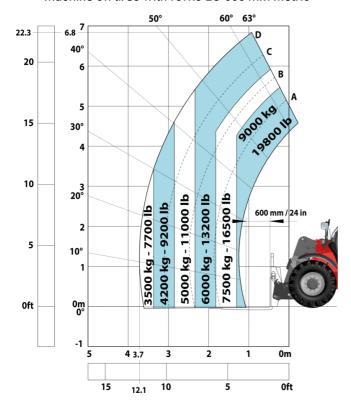




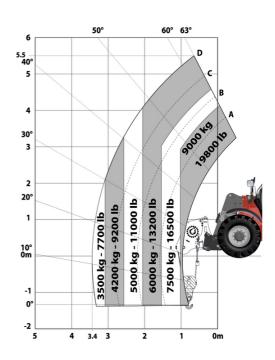


MHT-X 790 Mining ST3A - Load chart

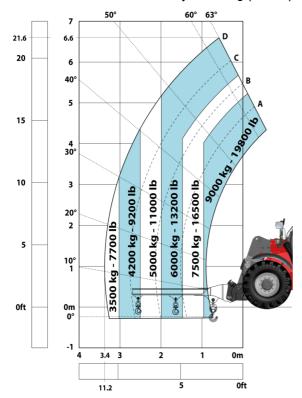
Machine on tires with forks LC 600 mm Metric



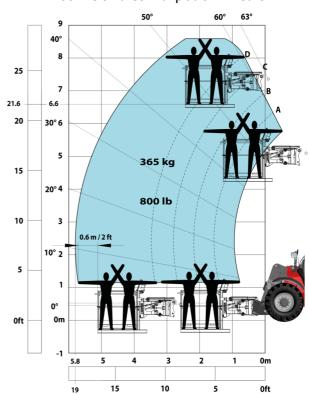
Machine on tires with winch 9000 kg (Metric)



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

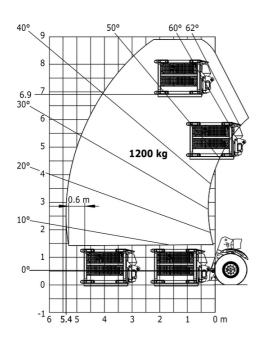


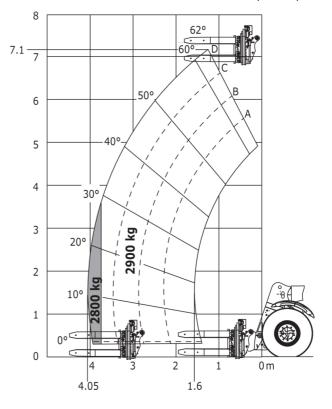
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

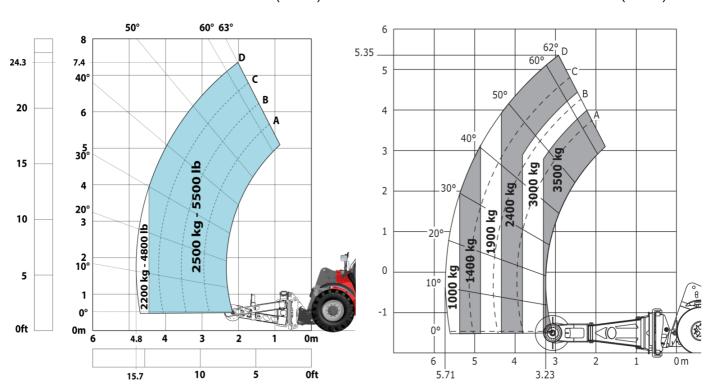
Machine on tires with tire handler TH 35 (Metric)



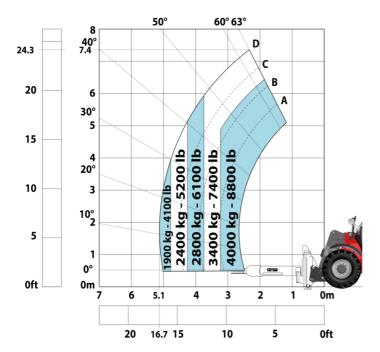


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



Mining Specifications

| | MHT-X 790 Mining ST3A |
|--|-----------------------|
| Lifting function | |
| Clamp predisposition (controls from cabin) | S |
| Comfort Ride Control (CRC) boom suspension | 0 |
| Working platform predisposition with remote control | S |
| Lighting | |
| 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 top of the boom (fixed part) (x2) | S |
| LED working lights on cab (x4: 2 front + 2 rear) | S |
| Motorization/Power | |
| Exhaust fume purification system | S |
| Hydraulic hose sleeve burst protection | 0 |
| Radiator safety cap | S |
| Operator station | |
| Roof and Windshield Guard | S |
| Other options | |
| Battery + Starter Isolators + Jump Start Receptacle | S |
| Pneumatics | |
| Steel mudguards | 0 |
| Secondary functions | |
| Automatic greasing system (AGS) - Chassis + boom | 0 |
| Fast fuel filling system | 0 |
| Security | |
| "Guardian Angel" System Level 1 | S |
| 360° visibility safety system | S |
| Boom cylinder lock | S |
| 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 | S |
| Negative brakes on front & rear axles | S |
| Rear and lateral camera with cab screen | 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 | \$ |
| | |

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

Clamp predisposition (controls from cabin)

Emergency steering

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 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

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

Working platform predisposition with remote control

Optional

Automatic greasing system (AGS) - Chassis + boom

Comfort Ride Control (CRC) boom suspension

Emergency stop by safety valve

Engine compartment fire prevention kit

Fast fuel filling system

 $\label{lem:fire suppression system} \label{fire suppression system}$

Hydraulic hose sleeve burst protection

Rear bumpe

Right side bumper

Steel mudguards





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