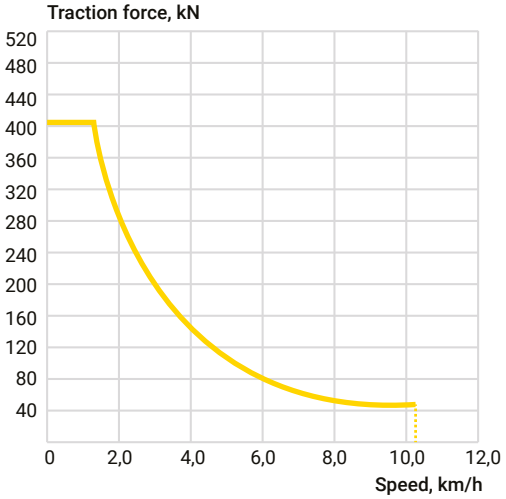
## Cab and Control

| | |
|---|---|
| Cab | hexagonal, improved visibility, with springs, twindow insulation, climate control system (heating and ventilation), cab air circulation, enlarged cab filter, circulation air filter, windscreen, rear window and door window wipers and washers, sun blind |
| Seat | ergonomic, with springs, two-point seat belt, seat switch |
| Safety | ROPS/FOPS, open door fixation |
| Travel and attachable implement control | 4-position joysticks |

## Filling Values

| | |
|---|---|
| Cooling system | 60 l |
| Fuel tank | 390 l |
| Engine lubrication system | 29 l |
| Transmission and implement hydraulic system | 200 l |




## Parameters under Load

| | |
|---|---|
| Speed limit at 2100 rpm, km/h | forward – 11<br>backward – 11 |



Bulldozer

# TM10 HST20

**Power, hp**
**412**

**Weight, t**
**38,5**

**Blade volume, m3**
**10**

**Traction, t**
**51**

## Engine

| | |
|---|---|
| Type | YMZ-652, turbocharged |
| Power, kW/hp | 303/412 |
| Operating volume | 11,12 l |
| Generator | 24V/55A |
| Storage battery | 2*12V/ 2*132Ah |
| Pre-heating with autonomous heating function | Webasto Thermo E 320 |

## Undercarriage

| | |
|---|---|
| Type | linear, three-point support of crawler trucks with equalizer beam |
| Frame | load-bearing structure made of HSS steel, high welding accuracy |
| Track rollers | lifetime lubricated, on sliding bearings (journals) |
| Number of track rollers | 7 bottom rollers + side sprocket / 2 carrier rollers on each side |
| Track chain<br>Track shoe width<br>Track shoe grouser | 41 track shoes<br>560 mm<br>80 mm |
| Bearing area | 3.93 m2 |
| Track adjuster | hydraulic |

## Transmission

| | |
|---|---|
| Type | hydrostatic with electronic control |
| Transmission | hydraulic pump coupled with hydraulic motor with stepless transmission shift |
| On-board gearboxes | planetary (PMP, Italy) |
| Control | electric and hydraulic servo |
| Brake system | hydraulic (pilot-operated check valve), normally closed multiple-disc clutches |

## Implement Control

| | |
|---|---|
| Type | hydraulic, separate for each device |
| Hydraulic pump | Hydrosila NSh-100<br>Output: 200 l/min<br>Max pressure: 20 MPa |
| Control valve | sectional (Belarus) |
| Filtration | double filtration: at suction, full-flow at discharge |

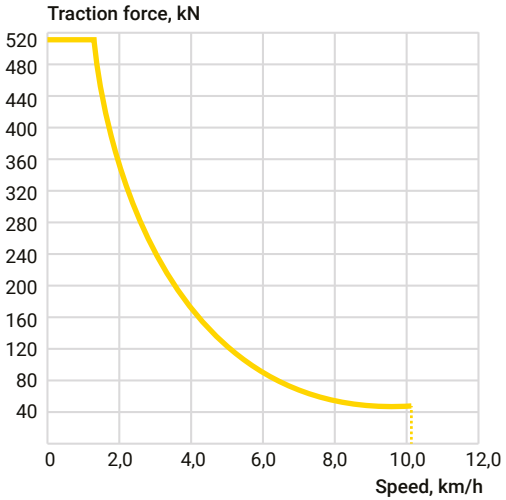


## Cab and Control

| | |
|---|---|
| Cab | hexagonal, improved visibility, with springs, twindow insulation, climate control system (heating and ventilation), cab air circulation, enlarged cab filter, circulation air filter, windscreen, rear window and door window wipers and washers, sun blind |
| Seat | ergonomic, with springs, two-point seat belt, seat switch |
| Safety | ROPS/FOPS, open door fixation |
| Travel and attachable implement control | 4-position joysticks |

## Filling Values

| | |
|---|---|
| Cooling system | 80 l |
| Fuel tank | 680 l |
| Engine lubrication system | 35 l |
| Transmission and implement hydraulic system | 200 l |




## Parameters under Load

| | |
|---|---|
| Speed limit at 2100 rpm, km/h | forward – 11<br>backward – 11 |

TCT12