



## CHETRA T-25 CRAWLER BULLDOZER



### ENGINE

**Twelve-cylinder, V-shaped, four-stroke, turbocharged, air-to-air aftercooled, liquid-cooled diesel engine YaMZ-8501.10 manufactured by Avtodiezel JSC (Russia).**

- Cylinder bore and piston stroke – 140 mm x 140 mm
- Engine displacement – 25,9 L
- Nominal power – 324 kW (440 h.p.) at 1 800 rpm
- Operating power – 298 kW (405 h.p.) at 1 800 rpm
- Max. torque, not less than – 2 230 Nm at 1 200...1 400 rpm

### UNDERCARRIAGE

**Suspension:** A three-point semi-rigid suspension with displaced oscillating axle of bogies provides higher traction characteristics, reduction of impact loads on undercarriage, improvement of working conditions. Track rollers, support rollers and idlers feature a life-time lubrication and self-adjusting «duo-cone» seal packages.

- Number of track rollers (each side) – 7.
- Number of support rollers (each side) – 2.
- Micro cushioned Idler

**Track chains:** Assembled with single-grouser track shoes and a seal package for retaining a fluid lubricant in the hinge. Track tension is easily adjusted with grease gun.

Linkpitch – 250 mm.

Number of shoes (each side) – 39.

Grouser height – 80 mm.

Shoe width – 610 mm.

Ground contact area – 4.0 m<sup>2</sup>

Ground pressure – 1.2 kgf/cm<sup>2</sup>

### TRANSMISSION

The planetary power-shift transmission with oil-bath clutches 455 mm in diameter with high torque transmitting capacity provides three forward and three reverse speeds.

The gears switching is performed hydromechanically. Gear shifting and direction change are controlled by one lever. The gearbox together with the matching reducing gear and the main drive are designed as a single power unit which is mounted into the rear axle case. A three-element one-stage torque converter with efficient diameter 480 mm and maximum transformation ratio  $K_0=2.64$  is mounted on the pump drive reducing gear, it is connected by a spline coupling to the elastic clutch which is mounted on the engine. The torque converter is connected to the gearbox by a cardan drive.

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Gear	Forward, km/h	Reverse km/h
1	4,1	5,1
2	7,5	9,1
3	12,7	15,0

#### BLADE

Blade	Blade length × height, B × H, mm × mm	Blade volume, m <sup>3</sup>	Lifting over the ground,	Blade deepening, mm	Max. tilt adjustment degree	Weight kg
SU (semispherical)	4 280×2 045	11.9	1 290*	690*	± 10°	6 680

#### RIPPER

Q-ty of shanks	Weight kg	Lift above ground, max, mm	Digging depth, max, mm	Breakout force, max, T	Penetration force, max, T
1	4 131	1 090	1 240	36	14.3

#### WEIGHT

Operating weight with working equipment (approximate) – 45 760 kg.

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