



CHETRA T-15 CRAWLER BULLDOZER



ENGINE

Eight-cylinder, V-shaped, four-stroke, turbocharged, air-to-air aftercooled, liquid-cooled diesel engine YaMZ-238ND7-1 manufactured by Avtodiezel JSC (Russia).

- Cylinder bore and piston stroke – 130 mm x 140 mm
- Engine displacement – 14,86 L
- Operating power –174 kW (235 hp) at 1 900 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.

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.

Link pitch – 215.9 mm

Number of shoes (each side) – 40

Grouser height – 70 mm

Shoe width – 560 mm

Ground contact area – 3.26 m²

Ground pressure – 0.86 kgf/cm²

TRANSMISSION

A planetary-type gearbox with oil operating, high capacity torque transmitting clutches 415 mm in diameter provides three forward gears and three reverse ones with gear shifting under load.

The modulating system allows changing gears smoothly under load. As per design the gearbox is connected with matching reducing gear and main drive forming a single power unit mounted on rear axle bore. A three-element one-stage torque converter with efficient diameter of 410 mm, maximum transformation ratio $K_o = 2,9$ with pumps drive reduction gear is connected with the gearbox by means of sp line coupling and mounted on the front wall of the rear axle.

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Gear	Forward, km/h	Reverse km/h	Drawbar force, kN
1	3,9	5,1	457
2	6,9	9,0	257
3	11,1	14,2	134

BLADE

Blade	Blade length x height, B x H, mm x mm	Blade volume, m ²	Lifting over the ground, mm	Blade deepening, mm	Tilt adjustment, max, mm	Weight, kg
S (straight)	3 880 x 1 572	5,8	1 105	555	1 069	3 465

RIPPER

Ripper type	Number of shanks	Weight, kg	Lift above ground, max, mm	Digging depth, max, mm	Breakout force, max, T	Penetration force, max, T
Non-adjustable, single-shank	1	2 268	738	830	21,0	9,6

WEIGHT

Operating weight (approx. with full fuel tank, blade, ripper & operator) – 27 750kg.

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