TD26T-5 BULLDOZER

Ease Of Maintenance And Operation Comfort

The working valve elements of the hydraulic system are externally placed to facilitate easy maintenance. The hexahedral cab that is designed with ergonomic considerations provides a spacious interior, excellent visibility, and more comfortable operation.

Adaptability To Diverse Working Conditions

With its long ground contact length, large ground clearance, and stable travel, it delivers excellent possibility. Equipped with a straight tilt blade, the machine exhibits powerful cutting force, making it well-suited for diverse working conditions, including clay, frozen soil, and sandy soil.

Purpose of bulldozer:

Bulldozer is a short distance self-propelled soil transportation machinery, mainly used for short distance construction of 50-100m. Bulldozers are mainly used for excavating road cuts, constructing embankments, backfilling foundation pits, removing obstacles, clearing snow, leveling sites, etc. They can also be used to complete the stacking and shoveling of loose materials over short distances. When the traction of the self-propelled

scraper is insufficient, the bulldozer can also be used as an auxiliary shovel, pushed by a bulldozer plate. The bulldozer is equipped with a soil loosening device, which can loosen hard soil, soft rock, or chisel stones of level three or four or above. It is used in conjunction with a shovel to carry out pre loosening operations, and auxiliary work devices such as hydraulic backhoe excavation devices and hinge plate dragging are used for excavation, rescue, and dragging. Bulldozers can also use hooks to tow various types of towing equipment (such as traction scrapers, traction vibratory rollers, etc.) for operation.

Classification of bulldozers:

1. Classified by walking mode

Bulldozers can be divided into track type and tire type. Crawler bulldozers have high traction force, low ground pressure (0.04-0.13mpa), strong climbing ability, but low driving speed. Tire type bulldozers have the advantages of fast driving speed, strong flexibility, short operation cycle, convenient transportation and transfer, but low traction, making them suitable for construction sites and frequent changes in on-site work.

2. Classified by purpose

It can be divided into general and specialized types. The universal type is produced according to standards and is widely used in earthwork engineering. Specially designed for specific working conditions, there are wetland bulldozers and swamp bulldozers that use triangular wide track plates to reduce ground pressure, amphibious bulldozers, underwater bulldozers, cabin bulldozers, unmanned bulldozers, and bulldozers operating in high-altitude and high humidity conditions.

To ensure that bulldozers have high shovel pushing capacity and high productivity, it is very important to select and use bulldozer working devices reasonably. When selecting and using bulldozer working devices, users should first have a detailed understanding of the working environment and objects of the bulldozer, and then make their own correct and reasonable decisions based on the characteristics and application scope of each working device

Bulldozer Series

TD26T-5

Engine model:	Cummins NT855-C280S10
Rated power:	187 kW/1850 rpm
Operating weight:	23.5 t

Technical parameters of TD26T-5 series bulldozers

Model & type	Cummins NT855-C280; In-line, water cooled 4-cycle, overhead valve direct injection, turbocharged diesel		
Rated power	187 kW		
Number of cylinders	6—139.7 x 152.4 mm (bore x stroke)		
Piston displacement	14.01 L		
Min. fuel consumption	205 g/kW·h		
Maximum torque	1030 N·m@1250rpm		
Torque converter	3-element, 1 stage, 1 phase		
Transmission	Planetary gear, multi-disc clutch, power shift, forced lubrication		
Main drive	Spiral bevel gear, splash lubrication, single-stage speed reduction		
Steering clutch	Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control		
Steering brake	Wet, floating band, foot brake with hydraulic booster		
Final drive	2-stage speed reduction of spur gear, splash lubrication		
Gear	1st	2nd	3rd
Forward	0~3.6 km/h	0~6.5 km/h	0~11.2 km/h
Reverse	0~4.3 km/h	0~7.7 km/h	0~13.2 km/h
Type	Swing type of sprayed beam, suspended structure of equalizer bar		
Carrier rollers	2 each side		
Track rollers	6 each side		
Track type	Assembled, single-grouser		
Width of track shoes	560 mm		
Pitch	216 mm		
Maximum pressure	14 MPa		
Pump type	Gear pump		
Discharge	262 L/min		
Bore of working cylinder × no.	120 mm × 2		
Blade type	Straight-tilt	Angle	Semi-U-blade
Dozing capacity	6.4 m3	4.7 m3	7.5 m3
Efficiency (Theoretical value 40 m)	330 m3/h	245 m3/h	365 m3/h
Blade width	3725 mm	4365 mm	3725 mm
Blade height	1315 mm	1055 mm	1374 mm
Maximum drop below ground	538 mm	535 mm	540 mm
Maximum tilt adjustment	>735 mm	>500 mm	>755 mm
Weight of blade	2830 kg	3254 kg	3419 kg
Maximum digging depth of 3-shank ripper	666 mm		
Maximum lift above ground	555 mm		
Weight of 3-shank ripper	2495 kg		
Maximum digging depth of single ripper	695 mm		
Maximum lift above ground	515 mm		
Weight of single ripper	2453 kg		


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