

TY165-3 推土机

TY165-3 BULLDOZER



河北宣化工程机械股份有限公司
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半刚性悬挂、液力传动、液压助力操纵的履带推土机。先导工作装置操纵。生产效率高、通过能力强、操纵轻便、结构简单、维修方便。可选配三钩松土器、U型铲刀(铲刀容量5.2m³)等多种装置。是交通、油田、电力、矿山等土石方施工的理想机械,是TY165-2的升级产品。

TY165-3 bulldozer is 165 horsepower track-type dozer with hydraulic direct drive, semi-rigid suspended and hydraulic assisting operating, pilot hydraulic blade control. TY165-3 bulldozer is characterized by high efficient, open view, optimized structure, easy operation and service with low cost and reliable entire quality. It can be equipped with three shanks ripper, U-blade (5.2 cubic meter capacity) and other optional components.

TY165-3 bulldozer is applicable for earth handling in road construction, desert and oil-field working, farmland and port construction, irrigation and electric power engineering, mining and other engineer conditions.

It is the upgrade product of TY165-2 bulldozer.

推土机性能参数 Specifications

铲刀型式 Dozer	直倾铲 Tilt	U型铲 U-blade
使用质量 Operation weight (kg)	17550	18030
接地比压 Ground pressure (kpa)	68.3	70.1
履带中心距 Track gauge (mm)	1880	1880
最小离地高度 Min. ground clearance (mm)	353	353
坡行性能 Gradient	30° / 25°	30° / 25°
铲刀容量 Dozing capacity (m ³)	4.6	5.2
铲刀宽度 Blade width (mm)	3442	3467
最大切土深度 Max. digging depth (mm)	420	377
外形尺寸(长 X 宽 X 高) Overall dimensions (mm)		

直倾铲 Tilt 5447X3442X3160

发动机 Engine

型式 Type	潍柴 WD10G178E25
额定转速 Rated revolution (rpm)	1850
飞轮功率 Flywheel power (KW)	121
最大扭矩 Max. torque (N.m/rpm)	830/1000-1200
燃油消耗率 Rated fuel consumption (g/KW·h)	≤215

行走系统 Undercarriage system

型式	八字梁半刚性结构、平衡梁摆动。		
Type	Swing type of sprayed beam. Suspended Structure of equalizer bar.		
支重轮数量(单侧)	6		
Number of track rollers (each side)			
托链轮数量(单侧)	2		
Number of carrier rollers (each side)			
链轨节距 Pitch (mm)	203		
履带板宽度 (mm)	500		
Width of shoe (mm)			

速度档 Gear	一档 1st	二档 2nd	三档 3rd
前进 Forward km/h	3.32	6.26	11.40
后退 Backward km/h	4.00	7.57	13.87

工作装置液压系统 Implement hydraulic system

最高系统压力 Max. system pressure (Mpa)	12
油泵型式 Pump type	双联齿轮油泵 Two group gears pump
系统流量 System output (L/min)	185

传动系统 Driving system

变矩器	单级单相三元件。
Torque converter	3-element 1-stage 1-phase.
变速箱	变速箱为行星齿轮传动, 动力换挡变速箱。前进三档, 后退三档。可实现档位和方向的快速变换。
Transmission	Planetary, power shift transmission with three speeds forward and three speeds reverse. speed and direction can be quickly shifted.
转向离合器	湿式、多片粉末冶金摩擦片、弹簧压紧、液压分离。
Steering clutch	Multiple-disc oil power metallurgy disc compressed by spring, hydraulic operated.
转向制动器	湿式、浮动、双向带式、脚踏式机械操纵。
Steering brake	Brake is oil two direction floating band brake operated by mechanical foot pedal.
最终传动	两级直齿轮减速、浮动油封密封、链轮采用组合式、便于维修。
Final drive	The final drive are double reduction with spur gear and segment sprocket, which are sealed by duo-cone seal.

U型铲



三钩松土器

