



# TSY160G BULLDOZER

AWARDED THE ISO9001:2000 SYSTEM CERTIFICATE

**Engine Model: Weichai WD10G178E25**

**Flywheel Horsepower: 160HP (131kW)/1850RPM**

**Operating Weight (Straight-Tilt dozer): 18800kg**



- Introduced Komatsu D65P bulldozer technology, featuring high performance capacity, efficiency, safe and reliable in operation.
- Taking the advantage of lower ground pressure and suitable to be used in swamp and soft land application.
- Optional attachments: air conditioner, Sanitation blade.

## SPECIFICATION

Specification / Blade type	Straight-tilt	Sanitation-blade
Operating Weight(kg)	18800	19100
Min. Ground Clearance(mm)	510	510
Min. Turning Radius(m)	4.3	4.3
Ground Pressure(MPa)	0.028	0.029
Track Gauge(mm)	2170	2170
Max. Pulling Force(KN)	144	144
Grade Ability(°)	30	30

## TRAVEL SPEED

	1st	2nd	3rd
Forward(km/h)	0~3.8	0~6.6	0~10.6
Reverse(km/h)	0~4.9	0~8.5	0~13.6

## ENGINE

Model&Type	Weichai WD10G178E25, 6-cylinder, In-line, vertical, water-cooled, 4-stroke-cycle, turbo-charged, over valve direct injection
Rated Revolution(rpm)	1850
Flywheel Horsepower(HP)	160
Cylinder Number-BoreX Stroke(mm)	6-126X130
Piston Displacement(L)	9.726
Min. Fuel Consumption(g/kWh)	≤ 215
Max. Torque(Nm/rpm)	Weichai: 830/1150
Starting Method	Starting motor 24V 5.5kW

## POWER TRANSMISSION SYSTEM

Torque Converter	3-element, 1-stage, 1-phase
Transmission	Planetary gearing, hand-manipulated, hydraulic shift, forced lubrication, 3 forward and 3 reverse speeds
Bevel Gear	Spiral bevel gear, splash lubrication, single-stage speed reduction
Steering Clutch	Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control
Steering Brake	Wet, band type, pedal hydraulic booster, with parking brakes
Final Drive	Double reduction of spur gear, splash lubrication

## HYDRAULIC SYSTEM

Pump Type	Gear pump 07441-67503
Working Pressure(MPa)	13.7
System Discharge(L/min)	250 (at revolution of 1850rpm)
Working Cylinder type	Double-acting piston type
Working Cylinder lift Number-BoreXRodXStroke(mm)	2-110X65X1026
Working Cylinder Tilt BoreXRodXStroke(mm)	160x70x140

## UNDERCARRIAGE SYSTEM

Type	Swing type of sprayed beam, suspended structure of equalizer bar
Carrier Rollers	2 (each side)
Track Rollers	7 / each side (4-single flange, 3-double flange)
Track Type	Sealed, circular arc, triangular-grouser
Number Of Track Shoes	44 (each side)
Width Of Track Shoes(mm)	1070
Pitch(mm)	203.2
Length Of Track On Ground(mm)	3140

## WORK EQUIPMENT

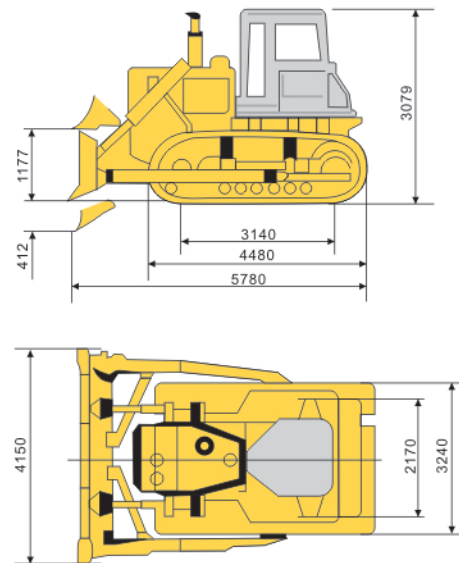
Specification/Blade type	Straight-tilt	Sanitation-blade
Blade Capacity(m <sup>3</sup> )	3.9	11.8
Blade Width X Height(mm)	4150x970	4150x1688
Max. Lift(mm)	1177	1177
Max. Depth(mm)	412	412
Max. Tilt Adjustment(mm)	≥ 789	≥ 789
Pitch Adjustment(°)	55	55
Capability (m <sup>3</sup> /h) (Theoretical value 40m)	255	255
Weight Of Blade(kg)	2218	2488

## COOLANT AND LUBRICANT CAPACITY

Fuel Tank Capacity(L)	320
Hydraulic Tank Capacity(L)	108
Engine Oil Capacity(L)	20
Torque Converter, Transmission, Bevel Gear, Steering Clutch Capacity(L)	122
Final Drive Capacity(L)	31 (each side)

## OVERALL DIMENSIONS

Straight-tilt Blade Dimensions



Note: Materials and specifications are subject to change without notice.



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