



TY160G BULLDOZER

AWARDED THE ISO9001:2000 SYSTEM CERTIFICATE

Engine Model: Weichai WD10G178E25

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

Operating Weight (Straight-Tilt dozer): 16900kg



- Introduced Komatsu D65A--8 bulldozer technology, featuring high performance capacity, efficiency, safe and reliable in operation.
- Widely used in building infrastructure and industry including large mining area, port, power plant, road building etc.
- Optional attachments: straight-tilt blade, angle blade, U-blade, Rops cab, canopy, 3-shank ripper, air conditioner, 510mm track shoes, 610mm track shoes.

SPECIFICATION

Specification / Blade type	Straight-tilt	Angle	U-Blade
Operating Weight(kg)	16900	16700	17900
Min. Ground Clearance(mm)	400	400	400
Min. Turning Radius(m)	3.1	3.1	3.1
Ground Pressure(MPa)	0.066	0.064	0.067
Track Gauge(mm)	1880	1880	1880
Max. Pulling Force(KN)	144	144	144
Grade Ability(°)	30	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)	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, 3forward and 3reverse 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	6/each side (4-single flange, 2-double flange)
Track Type	Sealed, assembled single-grouser
Number Of Track Shoes	37(each side)
Width Of Track Shoes(mm)	510
Pitch(mm)	203.2
Length Of Track On Ground(mm)	2430

WORK EQUIPMENT

Specification/Blade type	Straight-tilt	Angle	U-Blade
Blade Capacity(m ³)	4.5	4.3	8.6
Blade Width XHeight(mm)	3416x1149	3970X1037	4064X1386
Max. Lift(mm)	1110	1095	1095
Max. Depth(mm)	530	545	545
Max. Tilt Adjustment(mm)	≥860	≥400	≥400
Pitch Adjustment(°)	55	55	55
Capability (m ³ /h) (Theoretical value 40m)	247	247	260
Weight Of Blade(kg)	2218	2015	2223

COOLANT AND LUBRICANT CAPACITY

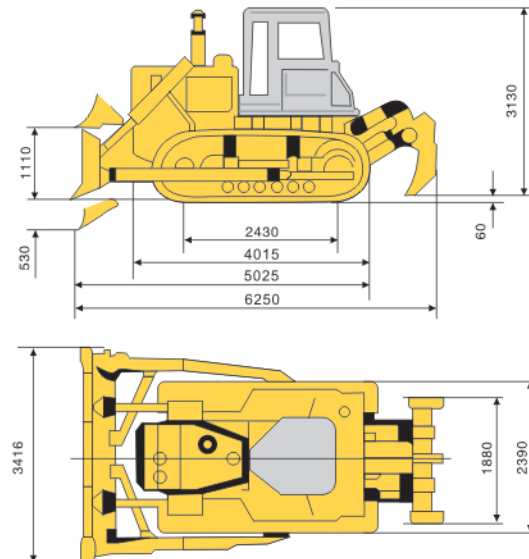
Fuel Tank Capacity(L)	320
Hydraulic Tank Capacity(L)	108
Engine Oil Capacity(L)	20
Torque Converter, Transmission, Bevel Gear, Steering Clutch Capacity(L)	122
Final Drive Capacity(L)	31(each side)

RIPPER(OPTIONAL)

3-Shank Ripper:	
Max. Digging Depth(mm)	572
Max. Lift(mm)	702
Shank Of Distance(mm)	950
Weight(kg)	1700

OVERALL DIMENSIONS

Straight-tilt Blade Dimensions



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



Authorized Distributor:
PT. BADAK PRIMA LESTARI