



TSC180C BULLDOZER

AWARDED THE ISO9001:2000 SYSTEM CERTIFICATE

Engine Model: Cummins NT855-C280S10

Flywheel Horsepower: 180 HP (149 kW)/1850RPM

Operating Weight (Straight-Tilt dozer): 20943kg



- Introducing Komatsu D60PL-8 bulldozer technology, featuring high performance capacity, efficiency, safe and reliable in operation.
- Taking the advantage of the lowest ground pressure and suitable to be used in swamp and soft land application.
- Optional attachments: air conditioner.

SPECIFICATION

Specification / Blade type	Straight-tilt
Operating Weight(kg)	20943
Min. Ground Clearance(mm)	510
Min. Turning Radius(m)	4.8
Ground Pressure(MPa)	0.023
Track Gauge(mm)	2300
Max. Pulling Force(KN)	161.6
Grade Ability(°)	30

TRAVEL SPEED

	1st	2nd	3rd	4th	5th
Forward(km/h)	2.7	3.5	5.0	7.6	10.3
Reverse(km/h)	3.2	4.2	6.1	9.2	

ENGINE

Model&Type	Cummins NT855-C280S10, 6-cylinder, in-line, vertical, water-cooled, 4-stroke-cycle, turbo-charged, over valve direct injection
Rated Revolution(rpm)	1850
Flywheel Horsepower(HP)	180
Cylinder Number-BoreX Stroke(mm)	6-139.7X152.4
Piston Displacement(L)	14
Min. Fuel Consumption(g/kwh)	≤212
Max. Torque(Nm/rpm)	920/1250
Starting Method	Starting motor 24V 7.5kW

TRANSMISSION SYSTEM

Main Clutch	Wet, multiple-disc, with cut-off brake, hand-manipulated and hydraulic boosted
Transmission	Bevel gear, constant meshed, forced lubrication, hand-manipulated, 5 forward and 4 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	9/each side (5-single flange, 4-double flange)
Track Type	Sealed, circular arc, triangular-grouser
Number Of Track Shoes	49(each side)
Width Of Track Shoes(mm)	1200
Pitch(mm)	203.2
Length Of Track On Ground(mm)	3650

WORK EQUIPMENT

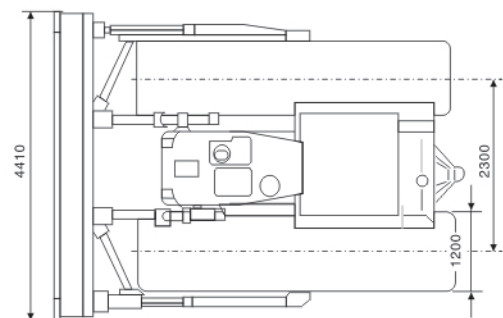
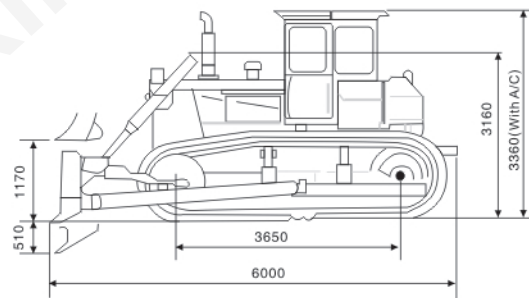
Specification/Blade type	Straight-tilt
Blade Capacity(m³)	4.2
Blade Width XHeight(mm)	4410X970
Max. Lift(mm)	1170
Max. Depth(mm)	510
Max. Tilt Adjustment(mm)	≥715
Pitch Adjustment(°)	55
Capability (m³/h) (Theoretical value 40m)	260.8
Weight Of Blade(kg)	2630

COOLANT AND LUBRICANT CAPACITY

Fuel Tank Capacity(L)	320
Hydraulic Tank Capacity(L)	108
Engine Oil Capacity(L)	45
Torque Converter, Transmission, Bevel Gear, Steering Clutch Capacity(L)	122
Final Drive Capacity(L)	33(each side)

OVERALL DIMENSIONS

Straight-tilt Blade Dimensions



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

Authorized Distributor:
PT. BADAK PRIMA LESTARI

Kawasan Industri Millenium, Jl. Millenium 15 Blok I-2 No. 3A, Desa Peusar, Kecamatan Panongan, Kabupaten Tangerang, Banten 15710 INDONESIA
Tel: +62 59986616 / 30, Fax.: +62 59986847
www.badakprima.co.id