



TY220F BULLDOZER

AWARDED THE ISO9001:2000 SYSTEM CERTIFICATE

Engine Model: Cummins NT855-C280S10

Flywheel Horsepower: 220 HP (179 kW)/2000RPM

Operating Weight (Straight-Tilt dozer): 23400kg



PT. BADAQ PRIMA LESTARI

- Manufactured by adopting the technology of komatsu D85A-18 bulldozer, featuring high performance capacity, efficiency, safe and reliable in operation.
- Suitable to be used in forestry logging applications.
- Optional attachments: angle blade, U-blade, 3-shank ripper, winch, single ripper, Rops cab, canopy, 560mm track shoes, 610mm track shoes.

SPECIFICATION

Specification / Blade type	Straight-tilt	Angle	U-Blade
Operating Weight(kg)	23400	23650	24500
Min. Ground Clearance(mm)	405	405	405
Min. Turning Radius(m)	3.3	3.3	3.3
Ground Pressure(MPa)	0.077	0.077	0.073
Track Gauge(mm)	2000	2000	2000
Max. Pulling Force(KN)	202	202	202
Grade Ability(°)	30	30	30

TRAVEL SPEED

	1st	2nd	3rd
Forward(km/h)	0~3.6	0~6.5	0~11.2
Reverse(km/h)	0~4.3	0~7.7	0~13.2

ENGINE

Model&Type ... Cummins NT855-C280S10 6-cylinder, In-line, 4-stroke-cycle, Water-cooled, Overhead valve direct injection, turbocharged diesel

Rated Revolution(rpm) 2000

Flywheel Horsepower(HP) 220

Cylinder Number-BoreX Stroke(mm) 6-139.7X152.4

Piston Displacement(L) 14

Min. Fuel Consumption(g/kwh) ≤ 212

Max. Torque(Nm/rpm) 1078/1250

Starting Method Starting motor 24V 11kW

POWER TRANSMISSION SYSTEM

Torque Converter 3-element, 1-stage, 1-phase

Transmission Planetary gear, multi-disc clutch, hydraulically connected, 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, floating, direct on-off hydraulic inter-linking operation

Final Drive Double reduction of spur gear, splash lubrication

HYDRAULIC SYSTEM

Pump Type Gear pump 07441-67503

Working Pressure(MPa) 14

System Discharge(L/min) 262(at revolution of 2000rpm)

Working Cylinder type Double-acting piston type

Working Cylinder lift Number-BoreXRodXStroke(mm) 2-120X70X1043

Working Cylinder Tilt BoreXRodXStroke(mm) 200X90X130

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 38(each side)

Width Of Track Shoes(mm) 560

Pitch(mm) 216

Length Of Track On Ground(mm) 2730

WORK EQUIPMENT

Specification/Blade type	Straight-tilt	Angle	U-Blade
Blade Capacity(m³)	6.5	4.8	7.5
Blade Width X Height(mm)	3725X1315	4365X1055	3800X1343
Max. Lift(mm)	1210	1300	1210
Max. Depth(mm)	540	530	540
Max. Tilt Adjustment(mm)	≥ 735	≥ 500	≥ 755
Pitch Adjustment(°)	55	53.5	55
Capability (m³/h) (Theoretical value 40m)	330	245	365
Weight Of Blade(kg)	3630	3850	4200

COOLANT AND LUBRICANT CAPACITY

Fuel Tank Capacity(L) 480

Hydraulic Tank Capacity(L) 110

Engine Oil Capacity(L) 45

Torque Converter, Transmission, Bevel Gear, Steering Clutch Capacity(L) 122

Final Drive Capacity(L) 72(each side)

RIPPER(OPTIONAL)

3-Shank Ripper

Max. Digging Depth(mm) 666

Max. Lift(mm) 555

Shank Of Distance(mm) 1000

Weight(kg) 2495

Single Ripper:

Max. Depth(mm) 695

Max. Lift(mm) 520

Weight(kg) 2453

WINCH(OPTIONAL)

Weight(Kg) 3100

Cable Line Pull Of Bare Drum(KN) 350

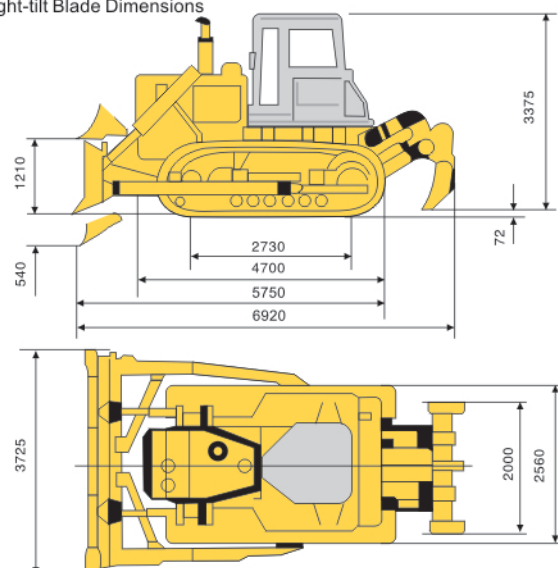
Cable Line Pull Of Full Drum(KN) 220

Cable Line Speed Of Full Drum(m/s) 0.265

Cable Dia. X Length(mm) φ 43X7000

OVERALL DIMENSIONS

Straight-tilt Blade Dimensions



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



Authorized Distributor:
PT. BADAK PRIMA LESTARI