

TY320

BULLDOZER

TECHNICAL CHARACTERISTICS

- AWARDED THE ISO9001:2000 SYSTEM CERTIFICATE
- ENGINE MODEL: CUMMINS NTA855-C360S10
- FLYWHEEL HORSEPOWER: 320 HP (239 kW)/2000RPM
- OPERATING WEIGHT (STRAIGHT-TILT DOZER): 35900kg
- MANUFACTURED BY ADOPTING THE TECHNOLOGY OF KOMATSU D155A BULLDOZER
- FEATURING HIGH PERFORMANCE CAPACITY, SAFE AND RELIABLE IN OPERATION.
- WIDELY USED IN INFRASTRUCTURE AND INDUSTRY INCLUDING LARGE MINE, PORT, POWER PLANT, ROAD BUILDING ETC.



Main Technical Specification

SPECIFICATION

Specification/Blade type	Straight-tilt
Operating Weight (kg)	35900
Min.Ground Clearance (mm)	500
Min.Turning Radius (m)	3.8
Ground Pressure (MPa)	0.093
Track Gauge (mm)	2140
Max. Pulling Force (KN)	281
Grade Ability (°)	30

TRAVEL SPEED

	1st	2nd	3rd
Forward (km/h)	0~3.6	0~6.6	0~11.5
Reverse (km/h)	0~4.4	0~7.8	0~13.5

ENGINE

Model & Type Cummins NT855-C280S10, 6-cylinder, in-line, vertical, water-cooled, 4-stroke-cycle, turbo-charged, over valve directs injection	
Rated Revolution (rpm)	2000
Flywheel Horsepower (HP)	320
Cylinder Number-BoreX Stroke(mm)	6-139.7 x 152.4
Piston Displacement (L)	14
Min. Fuel Consumption (g/kW.h)	213
Max.Torque (Nm/rpm)	1509/1400
Starting Method	Starting motor 24V 11KW

TRANSMISSION SYSTEM

Torque Converter	1-stage, 1-phase ,3-element,
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, floating, direct on-off hydraulic inter-linking operation
Final Drive	Double reduction of spur gear, splash lubrication

HYDRAULIC SYSTEM

Pump Type	Gear pump 07446-66103
Working Pressure (MPa)	14
System Discharge (L/min)	400(at revolution of 2000rpm)
Working Cylinder type	Double-acting piston type
Working Cylinder Lift Number-BoreXRodXStroke(mm)	2-140 x 75 x 134
Working Cylinder Tilt BoreXRodXStroke (mm)	225 x 90 x 160

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, assembled single-grouser
Number Of Track Shoes	41(each side)
Width Of Track Shoes (mm)	560
Pitch (mm)	228.6
Length Of Track On Ground (mm)	3150

WORK EQUIPMENT

Specification/Blade type	Straight-tilt
Blade Capacity (m³)	9.96
Blade WidthxHeight(mm)	4130 x 1553
Max.Lift (mm)	1560
Max.Depth (mm)	560
Max.tilt Adjustment (mm)	1130
Pitch Adjustment (°)	55
Weight Of Blade(kg)	4520

COOLANT AND LUBRICANT CAPACITY

Fuel Tank Capacity (L)	600
Hydraulic Tank Capacity (L)	164
Engine oil Capacity (L)	47
Torque Converter ,Transmission,Bevel Gear.,Steering Clutch Capacity(L)	185
Final Drive Capacity (L)	68(each side)

OVERALL DIMENSIONS

Straight-tilt Blade Dimensions

