

SD23 Bulldozer

Engine model: Cummins NT855-C280S10

Rated power : 169 kW(230HP)

Operating weight: 24.6 t



SHANTUI

(Model shown) May Include optional equipments

SD23



SPECIFICATION

Blade type	Straight-tilt	Angle	U-Blade
Specification			
Min.ground clearance(mm)	405	405	405
Operating weight(kg)	23450	23670	24600
Ground pressure(MPa)	0.078	0.078	0.078
Min.turning radius(m)	3.3	3.3	3.3
Gradeability(°)	30	30	30
Track gauge(mm)	2000	2000	2000



ENGINE

Model & type Cummins NT855-C280S10 ; In-line,water cooled;4-cycle,overhead valve direct injection,turbocharged diesel
 Rated revelation(rpm) 2000
 Rated horsepower(KW) 169
 Cylinder number-bore X stroke(mm) 6-139.7 X 152.4
 Piston displacement(ml) 14010
 Min fuel consumption(g/KW.h) 217
 Max torque(N.M/rpm) 1036/1400



POWER TRANSMISSION SYSTEM

Torque Converter 3-element,1 stage,1phase
 Transmission Planetary gear,multi-disc clutch,hydraulically connected,forced lubrication
 Main Drive 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 ... 2-stage speed reduction of spur gear,splash lubrication



TRAVEL SPEED

Gear	1st	2nd	3rd
Forward(km)	0-3.8	0-6.8	0-11.8
Reverse(km)	0-4.9	0-8.5	0-14.3



UNDERCARRIAGE SYSTEM

Type Swing type of sprayed beam, suspended structure of equalizer bar
 Carrier rollers 2(each side)
 Track rollers 7/each side (single flange5,double flange2)
 Track type Assembled single-tooth shoes(39/each side)
 Width of track shoes(mm) 560
 Pitch(mm) 216



HYDRAULIC SYSTEM

Max.pressure(MPa) 19.1
 Pump type Gear pump
 Discharge(L/min) 194(2000rpm) (Tondem 2000rpm)
 Bore of working cylinder(mm) X NO. Ø110 X 2
 (double-acting type)



BLADE

Blade type	Straight-tilt	Angle	U-Blade
Specification			
Dozing capacity(m³)	7.8	5.4	8.4
Efficiency(m³/H)(Theoretical value 40m)	330	245	365
Blade width(mm)	3725	4365	3860
Blade height(mm)	1395	1107	1379
Max.drop below ground (mm)	540	560	540
Max.tilt adjustment(mm)	>1210	>1240	>1210
Weight of blade(kg)	2900	3372	3350



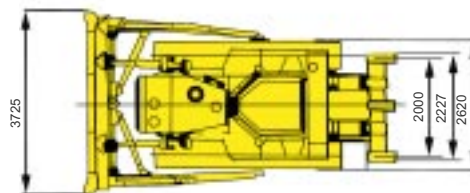
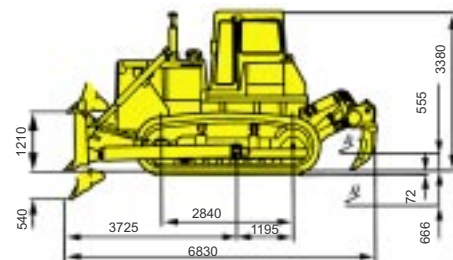
RIPPER(OPTIONAL)

Max.digging depth of 3-Shank Ripper(mm) 666
 Max.lift above ground(mm) 555
 Weight of 3-Shank Ripper(kg) 2495
 Max.digging depth of Single ripper(mm) 695
 Max.lift above ground(mm) 515
 Weight of Single ripper(kg) 2453



OVERALL DIMENSIONS

Straight-tilt blade



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

SHANTUI

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