

# SD32W Bulldozer

Engine model: Cummins NTA855-C360S10

Rated power : 235 kW(320HP)

Operating weight: 38 t



# SHANTUI

(Model shown) May Include optional equipments

# SD32W



## SPECIFICATION

Min.ground clearance(mm) .....	500
Operating weight(Kg) .....	38000
Ground pressure(MPa) .....	0.105
Min.turning radius(m) .....	3.8
Gradeability(°) .....	30
Track gauge(mm) .....	2140



## ENGINE

Model & type .....	Cummins NTA855-C360S10; In-line,water cooled;4-cycle,overhead valve direct injection,turbocharged diesel
Rated revelation(rpm) .....	2000
Rated power(kW) .....	235
Cylinder number-bore(mm)X stroke(mm) .....	6-139.7 X 152.4
Piston displacement(ml) .....	14010
Min fuel consumption(g/kW.h) .....	245
Max torque(N.M/rpm) .....	1440/1400



## 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)	0-3.6	0-6.6	0-11.5
Reverse(km)	0-4.4	0-7.8	0-13.5



## 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 .....	41(each side)
Width of track shoes(mm) .....	560
Pitch(mm) .....	228.6



## HYDRAULIC SYSTEM

Max.pressure(MPa) .....	14
Pump type .....	Gear pump
Discharge(L/min) .....	335.5(1800rpm) (at revolution of 2000rpm)
Bore of working cylinder(mm) X NO. ....	Ø120 X 2
.....	(double-acting type)



## BLADE

Dozing capacity(m³) .....	10
Efficiency(m³/H)(Theoretical value 40m) .....	330
Blade width(mm) .....	4130
Blade height(mm) .....	1590
Max.drop below ground (mm) .....	560
Max.tilt adjustment(mm) .....	>100
Weight of blade(kg) .....	5000



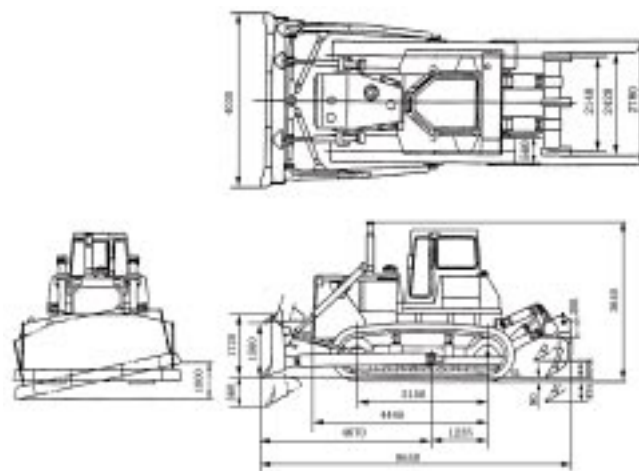
## RIPPER(OPTIONAL)

Max.digging depth of 3-Shank Ripper(mm) .....	542
Max.lift above ground(mm) .....	883
Weight of 3-Shank Ripper(Kg) .....	3800
Max.digging depth of Single ripper(mm) .....	1250
Max.lift above ground(mm) .....	965
Weight of Single ripper(Kg) .....	3243



## OVERALL DIMENSIONS

Straight-tilt blade



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

# SHANTUI

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