

# SD42-3 Bulldozer

**Engine model: Cummins K19-C525**

**Rated power: 310 kW(420HP)**

**Operating weight: 49 t**



# SHANTUI

(Model shown) May Include optional equipments

# SD42-3



## SPECIFICATION

Blade type .....	Semi-U Blade
Min.ground clearance(mm) .....	525
Ground pressure(MPa) .....	0.123
Gradeability(°) .....	30
Track gauge(mm) .....	2260



## ENGINE

Model .....	CUMMINS K19-C525
Type .....	In-line,water cooled,4-cycle,turbo charged, intercooled,direct injection
Rated revolution(rpm) .....	2000
Rated power(kW) .....	310
Cylinder number-bore × stroke(mm) .....	6-150 × 150
Max. torque(Nm/rpm) .....	1900/1400
Piston displacement(L) .....	15.9
Min.fuel consumption(g/kW·h) .....	214
Rated fuel consumption(g/kW·h) .....	210



## POWER TRANSMISSION SYSTEM

Torque converter .....	3-element,1 stage,1phase
Transmission .....	Forced connected, Planetary gear Electric and hydraulic control
Main Drive .....	Spiral bevel gear,Splash lubrication
Steering Clutch .....	Wet,Multi-disc, spring loaded,Hydraulically separated,Electric and hydraulic control
Steering Brake .....	Wet,Floating,Hydraulic helping operation, Electric and hydraulic control
Final Drive .....	1-stage spur gear,1-stage planetary speed reduction, splash lubrication



## TRAVEL SPEED

Gear	1st	2nd	3rd
Foward(km/h)	0-3.7	0-6.8	0-12.2
Reverse(km/h)	0-4.4	0-8.2	0-14.8



## UNDERCARRIAGE SYSTEM

Type .....	K type elastic suspended structure
Carrier rollers(each side) .....	2
Track rollers(each side) .....	7
Track type .....	Link master,seal,lubricated type (41/each side)
Width of track shoes(mm) .....	610
Pitch(mm) .....	260.35



## HYDRAULIC SYSTEM

Max.pressure(MPa) .....	21
Pump type .....	Working pump& PPC Tandem pump



## BLADE

Blade type .....	Semi-U Blade
Dozing capacity(m³) .....	16
Blade width(mm) .....	4315
Blade height(mm) .....	1875
Max.drop below ground (mm) .....	700
Max.tilt adjustment(mm) .....	400
Blade Weight(kg) .....	5200



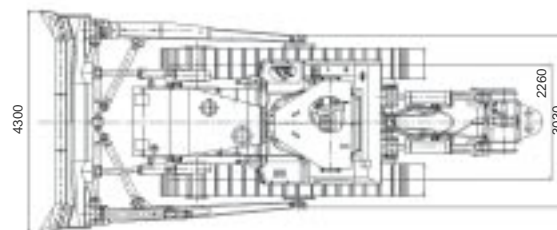
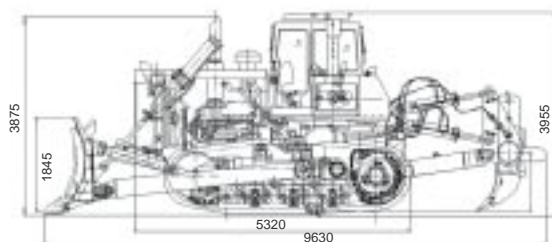
## RIPPER(OPTIONAL)

Max.digging depth of Single ripper(mm) .....	1400
Max.lift above ground(mm) .....	1130
Weight of Single ripper(kg) .....	5017



## OVERALL DIMENSIONS

Semi-U Blade



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

# SHANTUI

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