# SD32W-II

High efficiency for mining and more

Engine model Rated power Operating weight

: Cummins NTA855-C360S10 : 235 kW / 2000 rpm : 37.2 tons

# **Product features**

WORK

The third largest among Shantui's powerful lineup of heavy-duty dozers, the SD32W-II is a beast that really rocks in tough working conditions such as rocky or frozen earth environments. It comes with a rock-type blade and tracks giving it the nimbleness it needs to perform with great efficiency when adapting to such harsh conditions. It is one of our best-selling models for mining uses. It comes equipped with a hydraulic drive system with hydraulic control technology and an advanced structure, which provides reliable performance and convenient and flexible operation.







## Head Office

Jl. Lingkar Luar Barat No.3 Rawa Buaya-Cengkareng Jakarta Barat – Indonesia 11740 Telp: (62 21) 581 68 99 (Hunting) Fax: (62 21) 583 01 788, 583 57 099 Email : info@gmtractors.com Website: www.gmtractors.net

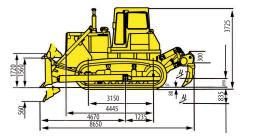
# **Technical Specification**

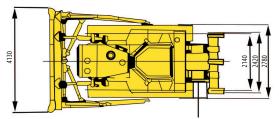
Minimum ground clearance: 500 mm Operating weight: 37.2 t Ground pressure: 0.076 MPa Minimum turning radius: 3.8 m Gradeability: 30° Track gauge: 2140 mm

Bated revolution         2000 rpm           Rated power         235 kW / 315 HP           Cylinder number-bore         6—139.7 x152.4 (mm x struk=)           Piston displacement         1401 ml           Min. fuel consumption         217 g/kW-h           Maximum torque         1440 Hm @1400 rpm           Maximum torque         3-element, 1 stage, 1 phase           Torque converter         3-element, 1 stage, 1 phase, 1 phase           Main drive         Spiral beerd gear, splash lubrication, single-stage speed reduction           Sterring Durke         Wet, multi-disc, spring load-d, hydraulically connected, for-ut lubrication           Min drive         Spiral beerd gear, splash lubrication, single-stage speed reduction of           Sterring Durke         Wet, floating, direct on-off-ty-tzulic inter-linking operation           Sterring Drake         Wet, floating, direct on-off-ty-tzulic inter-linking operation           Final drive         2-stage speed reduction of Spring load-d, hydraulically separated, hydraulically connected, for-ty-tzulic inter-linking operation           Broward         0-3.6 km/h         0~15.8 km/h           Reverse         0-4.4 km/h         0~73.8 km/h           Track tripe         Xie ch side         Xie ch side           Width of track shoes         S50 mm         Xie ch side           Track tripe	ENGINE	Model & type	Cummins NTA855-C360S10; In-line water-cooled; 4-cycle, overhead valve direct injection, turbocharged diesel		
Image: Index number-bare1401 mlPiston displacement1401 mlMin. fuel consumption217 g/kW-hMaximun torque1440 N-mg/1400rpmTorque converter3-element, 1 stage, 1 phaseTransmissionPlanetary gear, multi-disc, durt, hydraulically connected, hor-cel lubricationMain driveSpiral bevel gear, splash lubrication, single-stage speed reductionSteering dutchWet, multi-disc, spring loade-t, hydraulically separated, hydrauliTransmissionPlanetary gear, multi-disc, spring loade-t, hydraulically separated, hydrauliSteering brakeWet, floating, direct on-off hydraulically separated, hydrauliTorque converter2-stage speed reduction of b-c.6 km/hGear1 stConverter0~3.6 km/hProverse0~4.4 km/h0~6.6 km/h0~1.5 km/hReverse0~4.4 km/h0~7.8 km/h0~3.5 km/hTrack rollers2 each sideTrack rollers2 each side (single flange 2)Track rollers2 each side (single flange 2)Track rollers2 each sideTrack rollers2 each side (single flange 2)Track rollers2 each sideVitth of track shoes560 mmPitch228.6 mmPitch228.6 mmPitch228.6 mmDischarge (at revolution of 2000 rpm)355 (1795 rpm) L/minBide typeStraight-Tilt BladeDischarge (at revolution of 2000 rpm)355 (1795 rpm) L/minBide keight10 m³<		Rated revolution	2000 rpm		
Piston displacement         14010 ml           Min. fuel consumption         217 g/kW-h           Maximum torque         1440 N·m@1400rpm           Transmission         Planetary gear, multi-disc - tuch, hydraulically connected, for-cel lubrication           Min drive         Spiral bevel gear, splash lubrication, single-stage speed reduction           Stering clutch         Wet, multi-disc, spring load=// hydraulically connected, hydraulically control           Stering clutch         Wet, floating, direct on-off hydraulically separated, hydraulica		Rated power	235 kW / 315 HP		
Min. fuel consumption         217 g/kW-h           Maximum torque         1440 N·mo!1400rpm           Tarasmission         Planetary gear, multi-disc. Lutch, hydraulically connected, forced lubrication           Min drive         Spial bevel gear, splash lubrication, single-stage speed reduction           Min drive         Spial bevel gear, splash lubricatiny, single-stage speed reduction of spraye bear, splash lubrication, single-stage speed reduction of peration           Steering dutch         Wet, floating, direct on-off hubrication           Steering brake         Wet, floating, direct on-off hubrication           Final drive         2-stage speed reduction of >u cars, splash lubrication           Steering brake         Wet, floating, direct on-off hubrication           Final drive         2-stage speed reduction of >u cars, splash lubrication           Reverse         0~4.4 km/h         0~7.8 km/h         0~1.5 km/h           Reverse         0~4.4 km/h         0~7.8 km/h         0~1.5 km/h           Track rollers         2 each side         Track rollers         2 each side           Track rollers         2 each side         Track rollers         14 MPa           With of track shoes         560 mm         Sti (1795 rpm) L/min           Pitch         28.6 mm         Sti (1795 rpm) L/min           Discharge (at revolution of 2000 rpm)		Cylinder number-bore	6—139.7 x 152.4 (mm x stroke)		
Maximum torque         1440 M-m@1400rpm           Base         Transmission         91anetary gear, multi-disc.dutch, hydraulically connected, forced lubrication           Main drive         Spiral beerl gear, splash lubi-iction, single-stage speed reduction           Steering dutch         Wet, multi-disc, spring load-ut, hydraulically connected, hydraulic           Steering dutch         Wet, multi-disc, spring load-ut, hydraulically separated, hydraulic           Steering dutch         Wet, multi-disc, spring load-ut, hydraulically separated, hydraulic           Steering Drake         Wet, floating, direct on-off b-ut-rulic inter-linking operation           Final drive         2 stage speed reduction of Surger, splash lubrication           Steering Drake         Wet, floating, direct on-off b-ut-rulic inter-linking operation           Final drive         2 stage speed reduction of Surger         3rd           Gear         1st         2nd         3rd           Reverse         0~-3.6 km/h         0~-13.8 km/h         0-13.5 km/h           Reverse         0~-4.4 km/h         0~-7.8 km/h         0~-13.5 km/h           Track rollers         2 each side         I         I           Track rollers         2 each side         I         I           Track rollers         2 660 mm         I <thi< th="">         I</thi<>		Piston displacement	14010 ml		
Motion of the second		Min. fuel consumption	217 g/kW·h		
Note         Planetary gear, multi-disc, dutch, hydraulically connected, forced lubrication           Main drive         Spiral bevel gear, splash lubrication, single-stage speed reduction           Steering dutch         Wet, multi-disc, spring loaded, hydraulically separated, hydraulicaly separated, hydraulicaly separated, hydraulically sep		Maximum torque	1440 N·m@1400rpm		
Big O SectionAdmin driveSpiral bevel gear, splash lubrication, single-stage speed reduction of totalically separated, hydraulically separated, hydraulical	POWER TRANSMISSION SYSTEM	Torque converter	3-element, 1 stage, 1 phase		
Decemp shake         International metric maning operation           Final drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of sprayed beam, suspended structure of equalizer to a side (single flange 5, double flange 2)           Track rollers         7 each side (single flange 5, double flange 2)         Track rollers           Track rollers         7 each side (single flange 5, double flange 2)         Track rollers           Track rollers         560 mm         Pitch         228.6 mm           Discharge (at revolution of 2000 rpm)         228.6 mm         14 MPa           Maximum pressure         14 MPa         Structure           Discharge (at revolution of 2000 rpm)         355 (1795 rpm) L/min         Structure           Bade type         Straight-Tilt Blade         Semi-U Blade         Structure           Discharge (at revolution of 2000 rpm)         10m²         11.7 m²         Structure           Bade type         Straight-Tilt Blade         Semi-U Blade         Structure           Blade type         Straight-Tilt Blade <td>Transmission</td> <td colspan="3">Planetary gear, multi-disc clutch, hydraulically connected, forced lubrication</td>		Transmission	Planetary gear, multi-disc clutch, hydraulically connected, forced lubrication		
Decemp shake         International metric maning operation           Final drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of sprayed beam, suspended structure of equalizer to a side (single flange 5, double flange 2)           Track rollers         7 each side (single flange 5, double flange 2)         Track rollers           Track rollers         7 each side (single flange 5, double flange 2)         Track rollers           Track rollers         560 mm         Pitch         228.6 mm           Discharge (at revolution of 2000 rpm)         228.6 mm         14 MPa           Maximum pressure         14 MPa         Structure           Discharge (at revolution of 2000 rpm)         355 (1795 rpm) L/min         Structure           Bade type         Straight-Tilt Blade         Semi-U Blade         Structure           Discharge (at revolution of 2000 rpm)         10m²         11.7 m²         Structure           Bade type         Straight-Tilt Blade         Semi-U Blade         Structure           Blade type         Straight-Tilt Blade <td>Main drive</td> <td colspan="3">Spiral bevel gear, splash lubrication, single-stage speed reduction</td>		Main drive	Spiral bevel gear, splash lubrication, single-stage speed reduction		
Decemp shake         International metric maning operation           Final drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of spurgear, splash lubrication           Bit drive         2-stage speed reduction of sprayed beam, suspended structure of equalizer to a side (single flange 5, double flange 2)           Track rollers         7 each side (single flange 5, double flange 2)         Track rollers           Track rollers         7 each side (single flange 5, double flange 2)         Track rollers           Track rollers         560 mm         Pitch         228.6 mm           Discharge (at revolution of 2000 rpm)         228.6 mm         14 MPa           Maximum pressure         14 MPa         Structure           Discharge (at revolution of 2000 rpm)         355 (1795 rpm) L/min         Structure           Bade type         Straight-Tilt Blade         Semi-U Blade         Structure           Discharge (at revolution of 2000 rpm)         10m²         11.7 m²         Structure           Bade type         Straight-Tilt Blade         Semi-U Blade         Structure           Blade type         Straight-Tilt Blade <td>Steering clutch</td> <td colspan="3">Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control</td>		Steering clutch	Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control		
Gear1st2nd3rdForward0~3.6 km/h0~6.6 km/h0~11.5 km/hReverse0~4.4 km/h0~7.8 km/h0~13.5 km/hTypeSwing type of sprayed beam, suspended structure of equalizer barCarrier rollers2 each sideTrack rollers2 each sideTrack type41 each sideWidth of track shoes560 mmPitch228.6 mmPump typeMaximum pressure14 MPaPump typeGear pumpDischarge (at revolution of 2000 rpm)355 (1795 rpm) L/minBade typeStraight-Tilt BladeBlade typeStraight-Tilt BladeBlade height110 m³Blade height1590 mmBlade height1590 mmTop mm		Steering brake			
Forward         0~3.6 km/h         0~6.6 km/h         0~11.5 km/h           Reverse         0~4.4 km/h         0~7.8 km/h         0~13.5 km/h           Type         Swing type of sprayed beam, suspended structure of equalizer bar         0~13.5 km/h           Type         Swing type of sprayed beam, suspended structure of equalizer bar         Carrier rollers         2 each side           Track rollers         7 each side (single flange 5, duble flange 2)         Track type         41 each side           Track type         41 each side         Track type         41 each side           Pitch         228.6 mm         S60 mm         S000 mp           Pitch         228.6 mm         S55 (1795 rpm) L/min         S55 (1795 rpm) L/min           Bicharge (at revolution of 2000 rpm)         S55 (1795 rpm) L/min         S55 (1795 rpm) L/min           Bore of working cylinder × no. (doub) + acting type)         140 mm × 2         S55 (1795 rpm) L/min           Bilade type         Straight-Tilt Blade         Semi-U Blade         Semi-U Blade           Dozing capacity         10 m³         11.7 m³         Semi-U Blade           Blade width         130 mm         4030 mm         S60 mm           Blade height         1590 mm         1720 mm         S60 mm		Final drive	2-stage speed reduction of spur gear, splash lubrication		
Reverse0~4.4 km/h0~7.8 km/h0~13.5 km/hImage: Second Sec	TRAVEL SPEED	Gear	1st	2nd	3rd
Reverse0~4.4 km/h0~7.8 km/h0~13.5 km/hImage: Second Sec		Forward	0~3.6 km/h	0~6.6 km/h	0~11.5 km/h
Provide Signame2 each sideTrack rollers7 each side (single flange 5, duble flange 2)Track type41 each sideWidth of track shoes560 mmPitch228.6 mmMaximum pressure14 MPaPump typeGear pumpDischarge (at revolution of 2000 rpm)355 (1795 rpm) L/minBore of working cylinder × no. (doubte acting type)140 mm × 2Blade typeStraight-Tilt BladeSemi-U BladeDozing capacity10 m³11.7 m³Blade width1590 mm4030 mmBlade height1590 mm560 mm		Reverse	0~4.4 km/h	0~7.8 km/h	0~13.5 km/h
Maximum pressure       14 each side (single flange 5, double flange 2)         Track type       41 each side         Width of track shoes       560 mm         Pitch       228.6 mm         Maximum pressure       14 MPa         Pump type       Gear pump         Discharge (at revolution of 2000 rpm)       355 (1795 rpm) L/min         Bore of working cylinder × no. (double- acting type)       140 mm × 2         Blade type       Straight-Tilt Blade         Dozing capacity       10 m³       11.7 m³         Blade width       4130 mm       4030 mm         Blade height       1590 mm       1720 mm		Туре	Swing type of sprayed beam, suspended structure of equalizer bar		
Maximum pressure     14 MPa       Pump type     Gear pump       Discharge (at revolution of 2000 rpm)     355 (1795 rpm) L/min       Bore of working cylinder × no. (double-acting type)     140 mm × 2       Blade type     Straight-Tilt Blade     Semi-U Blade       Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm	AGE	Carrier rollers	2 each side		
Maximum pressure     14 MPa       Pump type     Gear pump       Discharge (at revolution of 2000 rpm)     355 (1795 rpm) L/min       Bore of working cylinder × no. (double-acting type)     140 mm × 2       Blade type     Straight-Tilt Blade     Semi-U Blade       Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm	ARRI. TEM	Track rollers	7 each side (single flange 5, double flange 2)		
Maximum pressure     14 MPa       Pump type     Gear pump       Discharge (at revolution of 2000 rpm)     355 (1795 rpm) L/min       Bore of working cylinder × no. (double-acting type)     140 mm × 2       Blade type     Straight-Tilt Blade     Semi-U Blade       Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm	DERC SYS	Track type	41 each side		
Maximum pressure       14 MPa         Pump type       Gear pump         Discharge (at revolution of 2000 rpm)       355 (1795 rpm) L/min         Bore of working cylinder × no. (double-acting type)       140 mm × 2         Dozing capacity       10 m³       11.7 m³         Blade type       500 mm       4030 mm         Blade width       4130 mm       4030 mm         Maximum drop below ground       560 mm       560 mm	NN	Width of track shoes	560 mm		
Big       Big       Straight-Tilt Blade       Semi-U Blade         Dozing capacity       10 m³       11.7 m³         Blade width       4130 mm       4030 mm         Blade height       1590 mm       1720 mm         Maximum drop below ground       560 mm       560 mm		Pitch	228.6 mm		
Bore of working cylinder × no. (double-acting type)     140 mm × 2       Blade type     Straight-Tilt Blade     Semi-U Blade       Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm	HYDRAULIC SYSTEM	Maximum pressure		14 MPa	
Bore of working cylinder × no. (double-acting type)     140 mm × 2       Blade type     Straight-Tilt Blade     Semi-U Blade       Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm		Pump type		Gear pump	
Blade type     Straight-Tilt Blade     Semi-U Blade       Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm		Discharge (at revolution of 2000 rpm)		355 (1795 rpm) L/min	
Dozing capacity     10 m³     11.7 m³       Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm		Bore of working cylinder $\times \mathrm{no.} (\mathrm{double}\text{-}\mathrm{acting} \mathrm{type})$		140 mm × 2	
Blade width     4130 mm     4030 mm       Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm	BLADE	Blade type	Straight-Tilt Blade	Semi-U Blade	
Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm		Dozing capacity	10 m <sup>3</sup>	11.7 m <sup>3</sup>	
Blade height     1590 mm     1720 mm       Maximum drop below ground     560 mm     560 mm		Blade width	4130 mm	4030 mm	
		Blade height	1590 mm	1720 mm	
Maximum digging doubt of 2 should give a constrained and a const		Maximum drop below ground	560 mm	560 mm	
Maximum digging depth of 3-shank ripper 842 mm	RIPPER (OPTIONAL)	Maximum digging depth of 3-shank ripper		842 mm	
Aximum lift above ground 883 mm		Maximum lift above ground		883 mm	
Weight of 3-shank ripper 3802 kg		Weight of 3-shank ripper		3802 kg	
Maximum digging depth of single ripper 1250 mm		Maximum digging depth of single ripper		1250 mm	
Maximum lift above ground 965 mm		Maximum lift above ground		965 mm	
Weight of single ripper 3252 kg		Weight of single ripper		3252 kg	

# SD32W-II

### **OVERALL DIMENSIONS**





THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.

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