

SD22 BULLDOZER

- Engine model: Cummins NT855-C280S10
- Rated power: 162 kw (220 HP)
- Operating weight: 23.4t(straight-tilt blade)



SHANTUI
VALUE THAT WORKS™

Model shown may include optional equipment



SD22



SPECIFICATIONS

Specification \ Blade Type	Straight-tilt	Angle	Semi-U Blade
Min. ground clearance(mm)	405	405	405
Operating weight(t)	23.45	23.67	24.6
Ground pressure(MPa)	0.077	0.077	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 revolution(rpm).....1800
 Rated horsepower(Kw)..... 162
 Cylinder number-bore(mm) X stroke6-139.7X 152.4
 Piston displacement(L).....14.01
 Min fuel consumption(g/Kw.h) 205
 Max torque(N.M/rpm) 1030/1250



POWER TRANSMISSION SYSTEM

Torque Converter.....3-element, 1 stage, 1 phase
 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	0-6.5	0-11.2
Reverse(km)	0-4.3	0-7.7	0-13.2



UNDERCARRIAGE SYSTEM

Type..... Swing type of sprayed beam, suspended structure of equalizer bar
 Carrier rollers.....2(each side)
 Track rollers.....6/each side (single flange4, double flange2)
 Track type..... Assembled single-grouser shoes(38/each side)
 Width of track shoes(mm)..... 560
 Pitch(mm) 216



HYDRAULIC SYSTEM

Max. pressure(MPa) 14
 Pump type Gear pump
 Discharge(L/min) 262(1800rpm) (at revolution of 1800rpm)
 Bore of working cylinder(mm) X No. Ø120 X 2
 (double-acting type)



BLADE

Specification \ Blade Type	Straight-tilt	Angle	Semi-U Blade
Dozing capacity(m³)	6.4	4.7	7.5
Efficiency(m³/H)(Theoretical value 40m)	330	245	365
Blade width(mm)	3725	4365	3800
Blade height(mm)	1315	1055	1343
Max. drop below ground (mm)	538	535	540
Max. tilt adjustment(mm)	>735	>500	>755
Weight of blade(kg)	2830	3254	3396



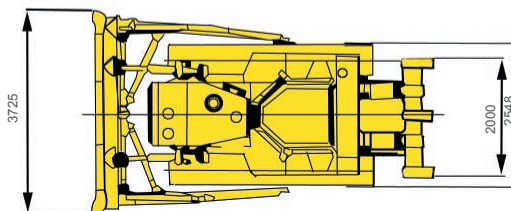
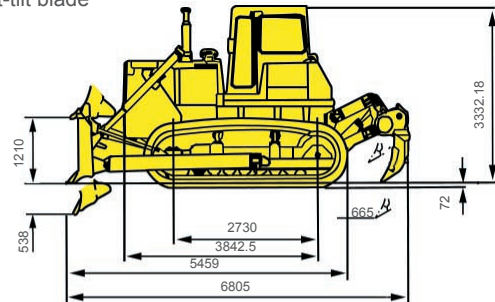
RIPPER(OPTIONAL)

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 subject to change without notice.

SHANTUI
 VALUE THAT WORKS™

Authorized Distributor:

PT. BADAK PRIMA LESTARI

Kawasan Industri Millenium, Jl. Millenium 15 Blok I-2 No. 3A, Desa Peusar,
 Kecamatan Panongan, Kabupaten Tangerang, Banten 15710 INDONESIA

Tel: +62 59986616 / 30, Fax.: +62 59986847

www.badakprima.co.id