

SD42-3

SHANTUI
VALUE THAT WORKS

BULLDOZER
SERIES

ENGINE MODEL	CUMMINS KTA19-C525
GROSS POWER	336KW(450HP)@2000rpm
OPERATING WEIGHT	53500KG

LET'S MAKE
CONSTRUCTION EASIER



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SD42-3 TECHNICAL PARAMETERS

BULLDOZER SERIES

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ENGINE

Engine	Cummins KTA19-C525
Emission	China-I
Rated revolution	2000rpm
Gross power	336kW(450hp)@2000rpm
Net power	310kW(420hp)@2000rpm
Number of cylinder-borexstroke	6-159mm*159mm
Displacement	19L
Max. torque	1900N.m@1400rpm
Cooling system	Mechanic fan

DRIVE SYSTEM

Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.
System overflow pressure	2.6MPa
Traveling speed	Forward 0~3.7km/h/ 0~6.8km/h/ 0~12.2km/h Backward 0~4.4km/h/ 0~8.2km/h/ 0~14.8km/h
Max. theoretical traction force	400kN
Torque converter	3-element, 1-stage, 1-phase
Transmission	Planetary gear, multiple-disc clutch, hydraulically actuated and force-lubricated
Steering clutch	Wet, multiple-disc steering clutches are hydraulically loaded and hydraulically released.
Brake clutch	Wet, contracting band, foot operated with hydraulic booster
Final drive	Primary spur gear + primary planetary reduction

CHASSIS SYSTEM

Type	Oscillation with equalizer bar and forward mounted pivot shafts , unique K- type bogies
Track shoe type	Single grouser
Track gauge	2260mm
Width of track shoe	610mm
Track grounding length	3565mm
Track grounding area	43493cm ²
Number of track shoe	41pcs/single side
Grounding pressure (standard configuration)	123kPa
Number of carrier roller	2pcs/single side
Number of track roller	7pcs/side
Pitch	260.35mm

VOLUME

Fuel capacity	760L
Coolant liquid capacity	120L
Engine oil capacity	48L
Hydraulic oil tank (travel)	210L
Hydraulic oil tank (work)	170L
Final drive	58L/single side

OPERATING WEIGHT

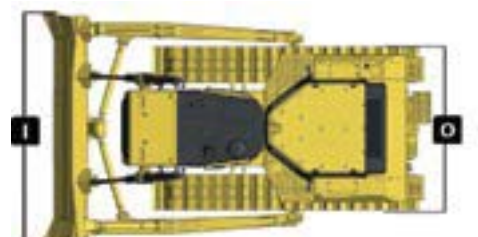
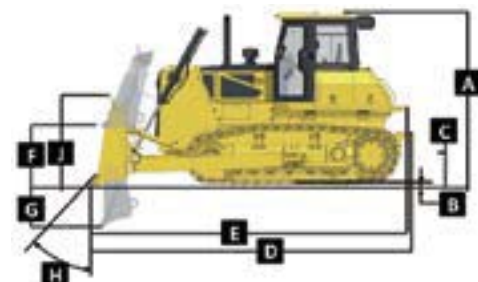
Operating weight (standard)	53500kg (include single shank ripper)
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BLADE

Blade type	Semi-U blade
Blade capacity	16m ³

DIMENSION

A	Machine height (without ROPS)	3955mm
B	Track grouser height	87.5mm
C	Ground clearance	695mm
D	Machine length (without draw bar)	7049mm
E	Machine length (with draw bar)	7925mm
F	Max. lifting height of blade	1660mm
G	Max. digging depth of blade	700mm
H	Digging angle of blade	52°
I	Blade width	4314mm
J	Blade height	1841mm
O	Width from end of left track shoe to end of right track shoe (standard)	2870mm



PARAMETER OF RIPPER

Type	Single shank ripper	
Weight	4030kg	
Q	Max. ripping depth	1400mm
R	Max. lifting height	796mm
S	Ripper length (at deepest ripping)	3092mm
	Ripper width	1378mm
	Departure angle (at highest lifting)	26°

