

SHANTUI AUSTRALIA

DH46-C3

Crawler Dozer



Engine Model: Cummins QSX 15 Tier III
Gross Power: 380kW(510hp)@1800rpm
Operating Weight: RS: 56,000kg

POWERED BY

EVCORE®

DH46-C3 SPECIFICATIONS

ENGINE	
Engine	Cummins QSX15
Emission	U.S. EPA Tier 3, EU Stage IIIA
Rated revolution	1800rpm
Gross power	380kW(510hp)
Net power	343kW(460hp)
No. of cylinder-bore×stroke	6×137mm×169mm
Displacement	15L
Max. torque	2365Nm@1400rpm
Cooling system	Smart temperature-controlled fan

DRIVE SYSTEM

Drive system		Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load, "stepless" variable speed, mono-lever control of travel, speed and steering; steering with load, pivot steering, work flexibly, high efficiency, easy for maintenance
System overflow pressure		43500kPa
Traveling speed	Forward	0~11km/h
	Backward	0~11km/h
Steering		Independent drive of track at both sides to ensure the full power output for pivot steering and steering with load
Brake		Regular closed multi-disk brake
Final drive		Double-reduction final drives of spur gear and planetary gear

RS

Type	Pivot, equalizing beam suspended type, semi-rigid structure
Track shoe type	Single grouser
Track gauge	2260mm
Width of track shoe	610mm/660mm/710mm
Track grounding length	3532mm
Track grounding area	21545cm ²
Number of track shoe	40 pcs/side
Grounding pressure (standard configuration)	120kPa
Number of carrier roller	2 pcs/side
Number of track roller	7 pcs/side
Pitch	260mm

REFILL CAPACITY

Fuel capacity	920L
Coolant liquid capacity	73L
Engine oil capacity	45-49L
Hydraulic oil tank (travel)	370L
Hydraulic oil tank (work)	43L/single side
Final drive	8L
Transfer case	6L

OPERATING WEIGHT	RS
Operating weight	56000kg

BLADE	RS
Blade type	Rock Blade
Blade capacity	13.7m³

DIMENSION	RS
Machine height	3990mm
Track grouser height	87mm
Ground clearance	680mm
Machine length (with ripper)	9325mm
Machine length (without ripper)	7085mm
Max. lifting height of blade	1460mm
Max. digging depth of blade	660mm
Digging angle of blade	53°±3°(deg.)
Blade width	4320mm
Blade height	1950mm
Blade tilt height	1140mm
Width from end of left track shoe to end of right track shoe	2870mm (standard)
Width from end of left footplate to end of right footplate	3322mm (standard)

RIPPER

TYPE	Single Shank ripper
Weight	3728kg
Ripping Depth of Ripper	1245mm
Lifting Height of Ripper	1056mm
Length of Ripper(Maximum Subsoiling Position)	2475mm
Width of Ripper	1490mm
Tilt Angle(Maximum Lift Position)	37.5°

HYDRAULIC SYSTEM

PPC-controlled palm command joystick provides blade control. Combined with the highly reliable hydraulic system, precise control is the result.

Hydraulic control unit:

All spool control valves externally mounted remote to the hydraulic tank. Gear-type hydraulic pump with capacity (discharge flow) of 152ltr/min at rated engine rpm.

Relief valve setting	21MPa
Number of cylinders	Bore - Stroke
Blade lift :2	95mmX1165mm
Blade tilt :1	140mmX145mm

Control valves:

2-spool control valve for semi-u or straight-tilt blade.

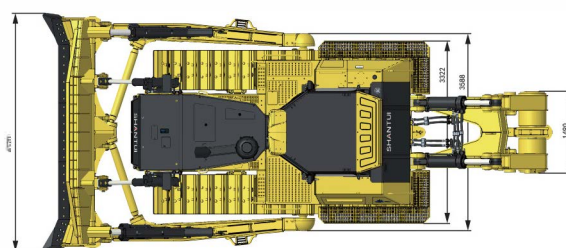
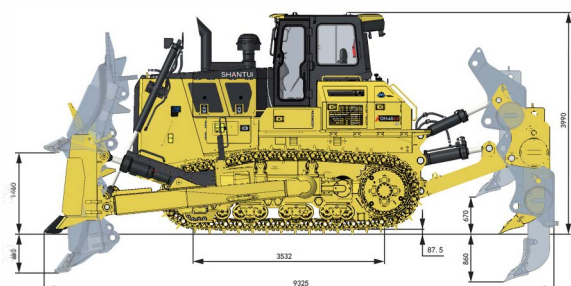
Positions:

Blade lift	Raise, hold, lower, and float
Blade tilt	Right, hold, and left

Additional control valve required for ripper.

Positions:

Ripper lift	Raise, hold and lower
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* 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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