Motor Grader Series

SG18-3

Leveling the playing field between performance and value

- Engine model: Cummins 6BTAA5.9-C180
- Rated power: 132 kW/2200 rpm
- Operating weight: 16.2 t

Product features

This third generation grader is a smart value in Shantui's diversified product lineup. It comes standard with a Cummins engine and articulated steering for greatly increased turning radius, with more flexible operation resulting. It can "crabwalk" when called upon to avoid tracking over leveled areas. And best of all, Shantui graders come with an excellent field of vision, allowing the operator to view all the working components both in front and behind the cab.





SHANTUI
VALUE THAT WORKS

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SG18-3

Technical specifications:

Operating weight: 16.2 t	Gradeability: 20°
Blade length: 3660/3965 mm	Wheel base: 2155 mm
Minimum ground clearance: 430 mm	Maximum traction: 91 kN

ENGINE

Engine model	Cummins 6BTAA5.9-C180
Engine type	In-line, water-cooled, 4-cycle, direct injection, turbocharged
Rated power/speed	132 kW/2200 rpm
Number of cylinders (bore x stroke)	6 (102 x 120 mm)
Piston displacement	5.9 L
Maximum torque/speed	770 N·m/1500 rpm
Minimum fuel consumption	206 g/kW·h

TRAVEL SPEED

Transmission and torque converter: Electronic controlled transmission with 6 forward gears and 3 reverse gears.

Gear	1st	2nd	3rd	4th	5th	6th
Forward	0~5.4 km/h	0~9.3 km/h	0~12.2 km/h	0~20.7 km/h	0~25.6 km/h	0~39.7 km/h
Reverse	0~5.4 km/h	0~12.2 km/h	0~25.6 km/h	–	–	–

SYSTEMS

Balance box	Type	No-spin limited slip differential, heavy-duty roller chain drive
	Oscillation angle	15° forward, 15° reverse
Tire	Type	17.5-25PR14 drive type tire
	Pattern level	L-2A
	Optional tire	17.5-25PR14 block tread common tire
Steering system	Minimum turning radius	7800 mm
	Front wheel tilting angle	±17°
	Front wheel steering angle	±45°
	Front axle oscillating angle	±15°
	Articulation angle	25°
Brake system	Service brake	4-wheel pliers-pan brake, full hydraulic, foot brake
	Parking brake	Hand brake with ratchet wheel
	Brake pressure	10 MPa
Operating weight	Total	16200 kg
	Front axle load	4800 kg
	Rear axle load	11400 kg

BLADE

Blade length	3660/3965 mm
Blade height	635 mm
Blade rotational angle	360°
Cutting angle adjustment range	44~91°
Maximum cutting depth	500 mm
Cutting force per dozing	22.95 kN/m
Maximum lift above ground	440 mm
Maximum blade lateral extension (left/right)	1900/1950 mm

HYDRAULIC SYSTEM

Working pump	Tandem pump
Displacement of working pump	28 x 2 ml
Working hydraulic pressure	16 MPa

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.



