

# 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.



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# SHANTUI

VALUE THAT WORKS

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## Technical specifications:


Operating weight: 16.2 t	Gradeability: 20°
Blade length: 3660/3965 mm	Wheel base: 6260 mm
Minimum ground clearance: 430 mm	Maximum traction: 91 kN


SG18-3

	ENGINE	Engine model	Cummins 6BTAA5.9-C180	Shanghai SC8D190.1G2
		Engine type	In-line, water-cooled, 4-cycle, direct injection, turbocharged	
		Rated power/speed	132 kW/2200 rpm	140 kW/2300 rpm
		Number of cylinders (bore x stroke)	6 (102 x 120 mm)	6 (102 x 120 mm)
		Piston displacement	5.9 L	8.3 L
		Maximum torque/speed	770 N-m/1500 rpm	720 N-m/1300-1500 rpm
		Minimum fuel consumption	206 g/kW-h	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
			Pattern level	L-2A/L-3
			Optional tire	17.5-25PR14
		Steering system	Minimum turning radius	7800 mm
			Front wheel tilting angle	±17°
			Front wheel steering angle	±45°
			Front axle oscillating angle	±15°
		Brake system	Articulation angle	25°
			Service brake	4-wheel pliers-pan brake, full hydraulic, foot brake
			Parking brake	Hand brake with ratchet wheel
		Operating weight	Brake pressure	10 MPa
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	24.47/22.95 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*2ml/r
		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.

