# 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.



VALUE

**AT** WORK



shantui e-shop



#### Shantui Construction Machinery Co., Ltd.

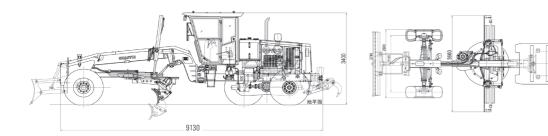
ADDRESS: No. 58, G327 Highway Jining City, Shandong, CHINA

TEL: +86-537-2909369 FAX: +86-537-2311219 EMAIL: trade@shantui.com

SG18-3			Operatir	Operating weight: 16.2 t				Gradeability: 20°			
				Blade length: 3660/3965 mm				Wheel base: 6260 mm			
Technical specifications:				 Minimum ground clearance: 430 mm				Maximum traction: 91 kN			
	ENGINE	Engine model		Cummins 6BTAA5.9-C180			Shangchai SC8D190.1G2				
0		Engine type		In-line, water-cooled, 4-cycle, direct injection,							
		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 ថ្	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.									
$\mathbf{k}$		Gear	1st		2nd			4th	5th	6th	
		Forward	0~5.4 km/h		0~9.3 km/h	0~12.2 k	m/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	cm/h	-	-	-	
	SYSTEMS			Ту	ne		No-spin limited slip diffe		ential heavy-duty	roller chain drive	
		Balance box		-	Oscillation angle		15° forward, 15° reverse				
					Туре		17.5-25PR14				
		Tire		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°					
				Ar	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				
				Re	Rear axle load		11400 kg				
	BLADE	Blade length				3660/3965 mm					
4		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 Maximum blade lateral extension (left/right)				440 mm					
							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.



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