Motor Grader Series

SHANTUI
VALUE THAT WORKS

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 diversi ed product lineup. It comes standard with a Cummins engine and articulated steering for greatly increased turning radius, with more exible operation resulting. It can "crabwalk" when called upon to avoid tracking over leveled areas. And best of all, Shantui graders come with an excellent eld of vision, allowing the operator to view all the working components both in front and behind the cab.

HS MACHINERY
& EQUIPMENT SDN. BHD.

SHOWROOM
PMT 1280, Lorong Perusahaan Sg. Lokan 3,
Kawasan Perusahaan Sg. Lokan 13800 B.W.
Tel: 04-356 7668 Fax: 04-356 7669
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SG18-3

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

ENGINE	Engine model	Cummins 6BTAA5.9-C180	Shangchai 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	–	–	–

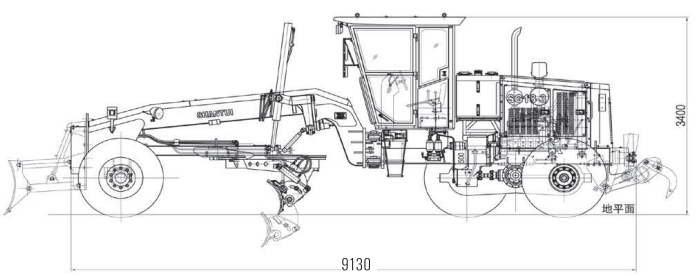
SYSTEMS	Balance box	Type	No-spin limited slip differential, heavy-duty roller chain drive
		Oscillation angle	15° forward, 15° reverse
	Tire	Type	17.5-25PR14
		Pattern level	L-2A/L-3
		Optional tire	17.5-25PR14
	Steering system	Minimum turning radius	7800 mm
		Front wheel tilting angle	±17°
		Front wheel steering angle	±45°
		Front axle oscillating angle	±15°
		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

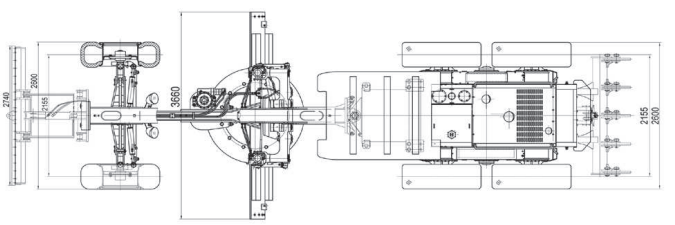
BLADE	Blade length	3660/3965 mm
	Blade height	635 mm
	Blade rotational angle	360°
	Cutting angle adjustment range	44~91°
	Maximum cutting depth	500 mm
	Cutting force per dozing	24.47/22.95 kN/m
	Maximum lift above ground	440 mm
	Maximum blade lateral extension (left/right)	1900/1950 mm

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.





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