

SG24-3

On the level, our SG24-3 is one of the toughest motor graders in the market today

- ▶ Engine model: Weichai WP7G240E301
- ▶ Rated power: 176 kW/2200 rpm
- ▶ Operating weight: 18.7 t

Product features

SG24-3 is mainly used for ground leveling, trenching, slope scraping, earth dozing, soil ripping, wasteland exploring, snow removing etc, in construction sites of highway, railway, mining, air port, farm land and others, which is an indispensable equipment in construction sites of national defence facility, mine building, roads building in rural and urban areas, also in work of water conservancy and scale of farming improving.



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SHANTUI

VALUE THAT WORKS

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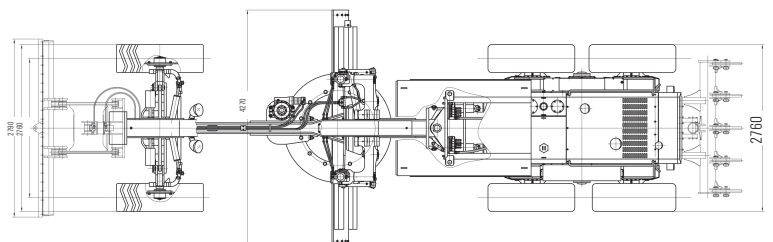
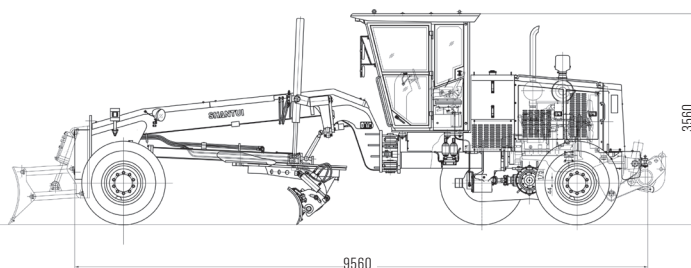
Technical specifications:

Operating weight: 18.7 t	Gradeability: 20°
Blade length: 3965/4270 mm	Wheel base: 6560 mm
Minimum ground clearance: 430 mm	Maximum traction: 99.7 kN

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	ENGINE	Engine model	Weichai WP7G240E301					
		Engine type	In-line, water-cooled, 4-cycle, direct injection, turbocharged					
		Rated power/speed	176 kW/2200 rpm					
		Number of cylinders (bore x stroke)	6 (108 x 136 mm)					
		Piston displacement	7.47 L					
		Maximum torque/speed	1100 N-m/1100-1500 rpm					
		Minimum fuel consumption	-					
	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	0~9.4 km/h	0~12.2 km/h	0~20.5 km/h	0~25.4 km/h	0~39.7 km/h
		Reverse	0~5.4 km/h	0~12.2 km/h	0~25.4 km/h	-	-	-
	SYSTEMS	Balance box	Type	No-spin limited slip differential, heavy-duty roller chain drive				
			Oscillation angle	15° forward, 15° reverse				
		Tire	Type	20.5-25PR14				
			Pattern level	L-2A/L-3				
			Optional tire	-				
		Steering system	Minimum turning radius	8600 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	18700 kg							
Front axle load	5600 kg							
	BLADE	Rear axle load	13100 kg					
		Blade length	3965/4270 mm					
		Blade height	635 mm					
		Blade rotational angle	360°					
		Cutting angle adjustment range	44~91°					
		Maximum cutting depth	500 mm					
		Cutting force per dozing	-					
		Maximum lift above ground	440 mm					
Maximum blade lateral extension (left/right)	2050/2100 mm							
	HYDRAULIC SYSTEM	Working pump	Tandem pump					
		Displacement of working pump	28ml/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.