

SHANTUI

VALUE THAT WORKS

SR12-5 / SR12P-5

Road Roller



- . Engine Model
- . Gross Power
- . Operating Weight

SR12-5

Weichai WP6G140E22
105kW@2200rpm
12,000kg

SR12P-5

Weichai WP6G140E22
105kW@2200rpm
13,150kg



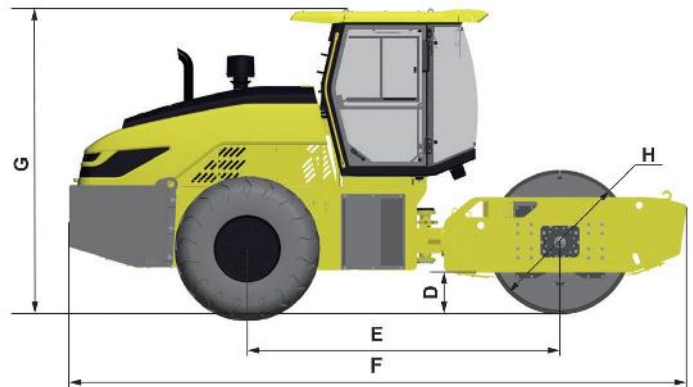
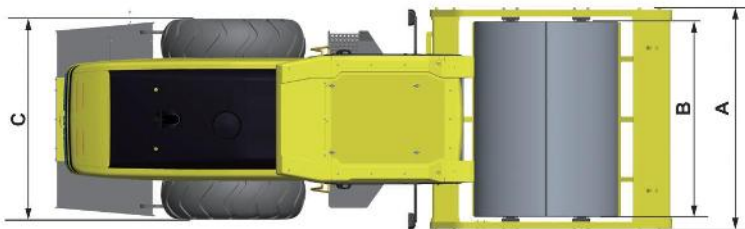
POWERSTAR
Polokwane



SR12-5/SR12P-5 SPECIFICATIONS

ENGINE	
Emission Regulation	Euro II
Model	Weichai WP6G140E22
Type	4-cycle, Direct Injection, Water-cooled
Aspiration	Turbocharged
Bore x Stroke	105x130 mm
Gross Power	105 kW @ 2200 rpm
Max Torque	560 N.m @ 1400~1600 rpm
Number of Cylinders	6
Rated Fuel Consumption	210 g/kW.h
Displacement	6.75 L
POWER TRAIN	
Type	Hydrostatic, All-wheel Drive
Driving Pump	Mechanical Control, Variable Piston Pump, 75ml/r
Axle Drive	Variable Piston Motor, 105ml/r
Drum Drive	Constant Piston Motor, 55ml/r
Hydraulic Relief Pressure	35 MPa
Tire	23.1-26-8PR/20.5-25-8PR
Max. Grade Ability	48%
Forward,I,II	0-5.3 km/h, 0-9.9 km/h
Reverse,I,II	0-5.3km/h, 0-9.9km/h
STEERING	
Type	Hydraulic Power, Articulated Steering
Hydraulic Relief Pressure	14 MPa
Steering Angle	±35°
Oscillating Angle	±12°
Min. Turning Radius	5500 mm
BRAKES	
Service Brake	Hydraulic Inertia Brake
Parking Brake	Multi-disc Brake, Hydraulic Control
Emergency Brake	Hydraulic Inertia Brake & Multi-disc Brake
STANDARD EQUIP	
FIRE EXTINGUISHER	
AIR CON	
RADIO	
REVERSE BUZZLE	
STROBE LIGHT	
REFLECTIVE TAPES	

DRUM	SR12-5	SR12P-5
Width	2130 mm	2130 mm
Diameter	1500 mm	1700 mm
Drum Shell Thickness	28 mm	28 mm
Number of Pad Feet	-	132
Height of Pad Feet	-	95 mm
VIBRATION	SR12-5	SR12P-5
Type	Hydrostatic, Electric Control	
Vibration Pump	Variable Piston Pump, 55ml/r	
Vibration Motor	Constant Piston Motor, 55ml/r	
Hydraulic Relief Pressure	30 MPa	
Frequency, Low	30 Hz	30 Hz
Frequency, High	35 Hz	35 Hz
Amplitude, High	2 mm	1.7 mm
Amplitude, Low	1 mm	0.85 mm
Centrifugal Force, Maximum	290 kN	290 kN
Centrifugal Force, Minimum	200 kN	200 kN
CAPACITIES	SR12-5	SR12P-5
Fuel Tank	230 L	230 L
Hydraulic Oil Tank	80L	80L
Engine Coolant	50 L	50 L
Engine Crank Case	9 L	9 L
ELECTRICAL SYSTEM	SR12-5	SR12P-5
Battery	2x12V, 105Ah	2x12V, 105Ah
Alternator	28V, 70A	28V, 70A
Starter Motor	24V, 6kW	24V, 6kW
WEIGHT	SR12-5	SR12P-5
Operating Weight	12000 kg	13150 kg
Axle Load, Drum	7000 kg	8150 kg
Axle Load, Wheel	5000 kg	5000 kg
Static Linear Load (at Drum)	325 N/cm	380 N/cm
DIMENSIONS	SR12-5	SR12P-5
A Overall Width	2320 mm	2320 mm
B Drum Width	2130 mm	2130 mm
C Width Outside Tires	2310 mm	2310 mm
D Ground Clearance	430 mm	430 mm
E Wheelbase	3170 mm	3170 mm
F Overall Height	5950 mm	5950 mm
G Overall Height	3120 mm	3120 mm
H Drum Diameter	1500 mm	1700 mm



* Please note: The manufacturer reserves the right to make changes to the design, form, colour and specifications of any Shantui brochure without notice. The picture shown is for illustrated purposes only. *