

SHANTUI

SR18

Road Roller



Engine Model: Cummins 6BTA5.9-C180-II
Gross Power: 132kW @2200rpm
Operating Weight: 18,000kg

Focus on soil compaction
road construction expert

SR18 SPECIFICATIONS

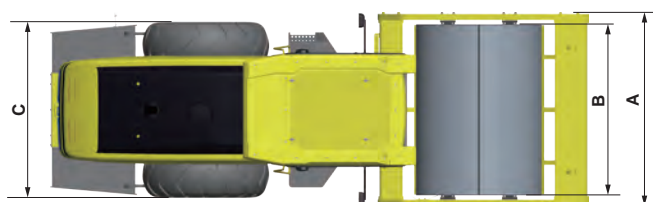
ENGINE	SR18	SR18P
Model	Cummins 6BTA5.9-C180-II	
Number of Cylinders	4	
Type	4-cycle, Direct Injection, Water-cooled	
Aspiration	Turbocharged	
Bore x Stroke	102*120mm	
Displacement	5.9L	
Gross Power	132kW @ 2200rpm	
Max. Torque	746N.m @ 1500rpm	
Rated Fuel Consumption	227g/kW.h	
Emission	China-II	

POWER TRAIN	SR18	SR18P
Type	Hydrostatic, All-wheel Drive	
Driving Pump	Variable Piston Pump	
Axle Drive	Variable Piston Motor	
Drum Drive	Constant Piston Motor	
Tire	23.1-26-12PR	
Max. Grade Ability	45%	
Forward, I, II	0-5.6km/h, 0-7.1km/h, 0-8.7km/h, 0-13.5km/h	
Reverse, I, II, III, IV	0-5.6km/h, 0-7.1km/h, 0-8.7km/h, 0-13.5km/h	

STEERING	SR18	SR18P
Type	Hydraulic Power, Articulated Steering	
Steering Angle	±38.5°	
Oscillating Angle	±12°	
Min. Turning Radius	5800mm	

BRAKES	SR18	SR18P
Service Brake	Hydraulic Type	
Parking Brake	Hydraulic Type	
Emergency Brake	Hydraulic Type	

DRUM	SR18	SR18P
Width	2140mm	2140mm
Diameter	1550mm	1750mm
Drum Shell Thickness	40mm	40mm
Number of Pad Feet	-	154
Height of Pad Feet	-	95mm



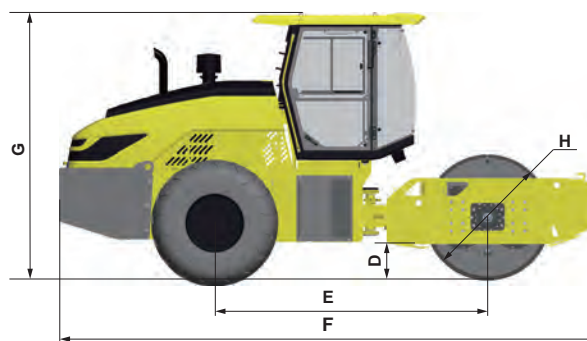
VIBRATION	SR18	SR18P
Type	Hydrostatic, Electric Control	
Vibration Pump	Variable Piston Pump	
Vibration Motor	Constant Piston Motor	
Hydraulic Relief Pressure	33Hz	33Hz
Frequency, Low	29Hz	29Hz
Frequency, High	1.75mm	1.45mm
Amplitude, High	0.95mm	0.8mm
Amplitude, Low	0.9mm	0.65mm
Centrifugal Force, Maximum	310kN	310kN
Centrifugal Force, Minimum	215kN	215kN

CAPACITIES	SR18	SR18P
Fuel Tank	265L	265L
Hydraulic Oil Tank	160L	160L
Engine Coolant	50L	50L
Engine Crank Case	15L	15L

ELECTRICAL SYSTEM	SR18	SR18P
Battery	2x12V	2x12V
Alternator	28V	28V
Starter Motor	24V	24V

WEIGHT	SR18	SR18P
Operating Weight	18000kg	19000kg
Axle Load, Drum	12000kg	13000kg
Axle Load, Wheel	6000kg	6000kg
Static Linear Load (at Drum)	550N/cm	595N/cm

DIMENSIONS	SR18	SR18P
A	2410mm	2410mm
B	2140mm	2140mm
C	2190mm	2190mm
D	400mm	400mm
E	3150mm	3150mm
F	6090mm	6090mm
G	3130mm	3130mm
H	1550mm	1750mm



* 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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