Engine Gross Power Nominal Amplitude Range Vibration Frequency Range Centrifugal Force Range Working Width Operating Weight SHANGCHAI SC8D180.3G2B1 132 kW (180 hp) @ 1800 rpm 2.0/1.0mm 28 / 33 Hz 400kN / 290 kN 2,130 mm 22,000 kg







6122E SPECIFICATIONS>>>

ENGINE	
Emission Regulation	Tier 2 / Stage II
Make	Shangchai
Model	SC8D180.3G2B1
Gross Power	132 kW(180hp) @ 1800 rpm
Peak Torque	720 N · M
Number of Cylinders	6
Aspiration	Turbo
Cooling Type	Water

24 V

ELECTRICAL SYSTEM

System Voltage

DRIVE TRAIN

Theoretical Gradeability, without/ with Vibration	30 %
Transmission Type	Mechanical
1st Maximum Speed	2.7 km/h
2nd Maximum Speed	5.2 km/h
3rd Maximum Speed	11 km/h
Inside Turning Radius	<4,660 mm
Outside Turning Radius	<7,000 mm

AXLES

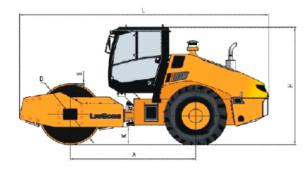
Steering System	Hydraulic
Steering Method	Articulation
Steering Angle	±35°
Steering Relief Pressure	16 MPa

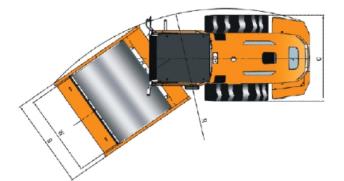
BRAKES

Service Brake Type Service Brake Actuation Parking Brake Actuation

caliper dry disc
air over hydraulic
Mechanical apply; Hydraulic release

TIRES	
Tire Size	23.5-25-16PR
Tire Tread	G - 23
HYDRAULIC SYSTEM	
Main Pump Type	Piston Pump
Main Relief Pressure	35MPa
PERFORMANCE	
Static Linear Front Drum Load	506N/cm
Number of Vibrating Drums	1
Nominal Amplitude Range	2.0 / 1.0 mm
Vibration Frequency Range	28/ 33 Hz
Centrifugal Force Range	400 / 290 kN
Number of Amplitude Settings	2
OPERATING WEIGHTS	
Operating Weight with Ballast	22,000 kg
Weight on Front Drum	11,000 kg
Weight on Tires	11,000 kg
SERVICE CAPACITIES Fuel Tank	285L
Engine Oil	19 L
Cooling System	32 L
<i>.</i> ,	
OPTIONAL EQUIPMENT	
Padfoot Drum Segment Kit (PDH)
Rotary Beacon	
Backup Alarm	
OVERALL SIZE	
Overall Length:L=6450mm Overall Height:H=3050mm	Overall Width:C=2340mm Min. Ground Clearance:K=450mm
Drum Diameter:D=1600mm	Drum Width:W=2130mm
Drum Thickness:S=45mm	Wheelbase:A=3230mm





Guangxi Liugong Machinery Co., Ltd. No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China T: +86 772 3886124 E: overseas@liugong.com www.liugong.com 09/2016Designed by LiuGong