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

6122E ROLLER

LiuGong

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

ELECTRICAL SYSTEM

System Voltage	24 V

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	caliper dry disc
Service Brake Actuation	air over hydraulic
Parking Brake Actuation	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

OPTIONAL EQUIPMENT

Padfoot Drum Segment Kit (PDH)

Rotary Beacon

Backup Alarm

OVERALL SIZE

Overall Length:L=6450mm	Overall Width:C=2340mm
Overall Height:H=3050mm	Min. Ground Clearance:K=450mm
Drum Diameter:D=1600mm	Drum Width:W=2130mm
Drum Thickness:S=45mm	Wheelbase:A=3230mm