

| | |
|---------------------------|----------------------------|
| 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 | 380kN / 280 kN |
| Working Width | 2,130 mm |
| Operating Weight | 20,000 kg |

6120E^{ROLLER}



6120E 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 |

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 | 460N/cm |
| Number of Vibrating Drums | 1 |
| Nominal Amplitude Range | 2.0 / 1.0 mm |
| Vibration Frequency Range | 28/ 33 Hz |
| Centrifugal Force Range | 380 / 280 kN |
| Number of Amplitude Settings | 2 |

OPERATING WEIGHTS

| | |
|-------------------------------|-----------|
| Operating Weight with Ballast | 20,000 kg |
| Weight on Front Drum | 10,000 kg |
| Weight on Tires | 10,000 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 |

