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|----------------------------------|--------------------------------------|
| Engine | Shangchai SC4H140.2G2 |
| Rated Power | 103 kW (138 hp / 140 ps) @ 2,000 rpm |
| Nominal Amplitude Range | 2.0 / 1.2 mm |
| Vibration Frequency Range | 30 Hz |
| Centrifugal Force Range | 280 / 170 kN |
| Working Width | 2,130 mm |
| Operating Mass | 14,000 kg |

6114E ROLLER

6114E SPECIFICATIONS >>>

ENGINE

| | |
|---------------------|--------------------------------------|
| Emission Regulation | Tier 2 / Stage II |
| Manufacturer | Shangchai |
| Model | SC4H140.2G2 |
| Rated Power | 103 kW (138 hp / 140 ps) @ 2,000 rpm |
| Peak Torque | 535 N · m |
| Number of Cylinders | 4 |
| Aspiration | Turbocharged |
| Cooling Type | Water |

ELECTRICAL SYSTEM

| | |
|----------------|------|
| System Voltage | 24 V |
|----------------|------|

DRIVE TRAIN

| | |
|-----------------------------|------------|
| Theoretical Gradeability | 30 % |
| Transmission Type | Mechanical |
| 1st Maximum Speed, Fwd | 2.7 km/h |
| 2nd Maximum Speed, Fwd | 5.2 km/h |
| 3rd Maximum Speed, Fwd | 11 km/h |
| Min. Outside Turning Radius | 6,500 mm |

STEERING

| | |
|--------------------------|--------------|
| 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 brake |

OPTIONAL EQUIPMENT

| | |
|--------------------------------|--|
| Padfoot Drum Segment Kit (PDH) | |
|--------------------------------|--|

TIRES

| | |
|---------------|--------------|
| Tire Size | 17.5-25-12PR |
| Tire Pressure | 300-330 kPa |

HYDRAULIC SYSTEM

| | |
|----------------------|-----------|
| Main Pump Type | Gear Pump |
| Main Relief Pressure | 20 MPa |

PERFORMANCE

| | |
|-------------------------------|--------------|
| Static Linear Front Drum Load | 329 N/cm |
| Number of Vibrating Drums | 1 |
| Nominal Amplitude Range | 2.0 / 1.1 mm |
| Vibration Frequency Range | 30 Hz |
| Centrifugal Force Range | 280 / 170 kN |
| Number of Amplitude Settings | 2 |

OPERATING MASS

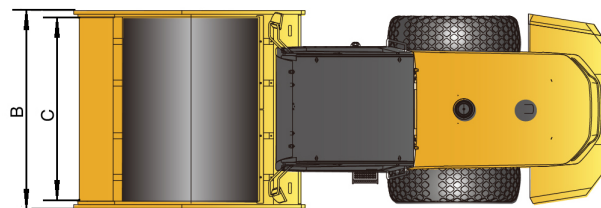
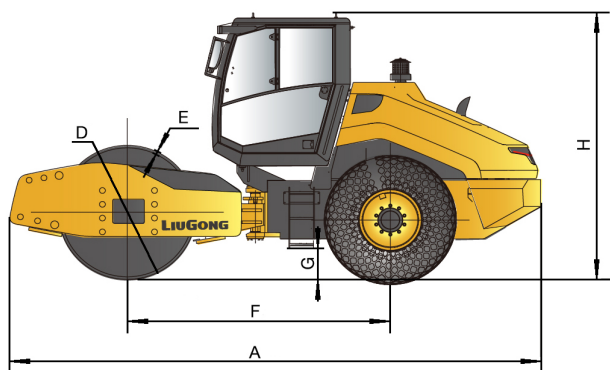
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|-----------------------------|-----------|
| Operating Mass with Ballast | 14,000 kg |
| Mass on Vibrating Drum | 7,000 kg |
| Mass on Drive Axle | 7,000 kg |

SERVICE CAPACITIES

| | |
|--------------------|-------|
| Fuel Tank | 200 L |
| Engine Oil | 14 L |
| Hydraulic Oil Tank | 110 L |
| Cooling System | 32 L |

DIMENSIONS

| | |
|-------------------------|----------|
| A Overall Length | 6,000 mm |
| B Overall Width | 2,280 mm |
| C Drum Width | 2,130 mm |
| D Drum Diameter | 1,555 mm |
| E Drum Thickness | 30 mm |
| F Wheelbase | 2,950 mm |
| G Min. Ground Clearance | 450 mm |
| H Overall Height | 3,050 mm |



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Replace the previous versions of 08/2019

Specifications and designs are subject to change without notice. Machines shown may include optional equipment. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.