

Reliability in Action

# Single Drum Compactor RS7120

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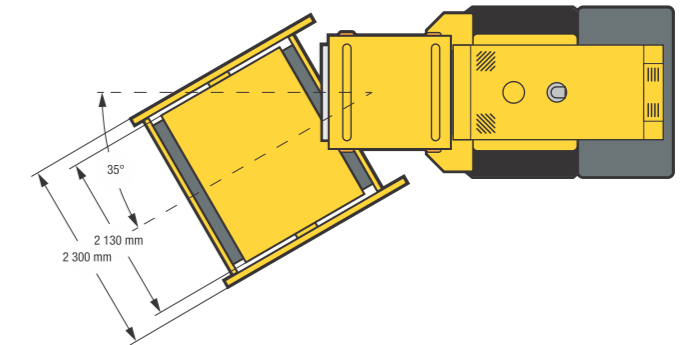
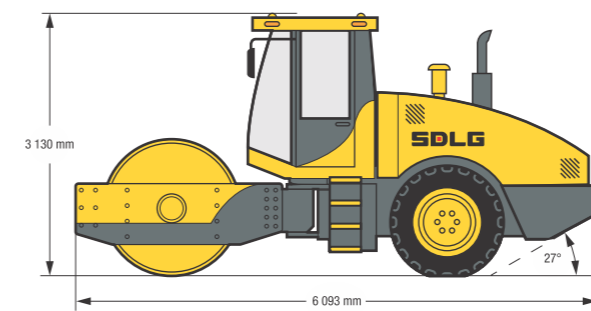


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# Single Drum Compactor RS7120



## RS7120

- RS7120 is a new generation fully hydraulic, single drum vibrating road roller. This machine has improved operating performance and a more contemporary appearance. It is a leader in the industry for its compacting, drivability, operational performance and reliability. It is a low maintenance compacting product and is ideal for the construction of highways, airports, ports, railways, dams, and industrial land.
- Innovative curved design from front to back.
- This machine utilises internationally well-known brands for its engine, drive axel and hydraulic pump and motor.
- It offers reliable performance and high efficiency.
- The vibration mechanism adopts a thru shaft design, which provides excellent consistency of the vibration amplitude and offers an outstanding compacting result.
- The padfoot option is easily fitted. The scraper is designed with dual purpose to accommodate both smooth and padfoot options.
- Installed with air conditioner, the cab is air-tight and sound proof.
- The steering wheel is fore-and-aft adjustable.
- It is designed with a low centre of gravity, which enables it to cope with most ground operation with no significant need for maintainance.
- The engine hood opens wide to fully expose the engine area.

| Item  | Specifications                                       |
|---|--|
| Working weight                              | 12000 kg   |
| Front wheel weight distribution             | 6800 kg  |
| Rear wheel weight distribution              | 5200 kg  |
| Compacting width                            | 2130 mm  |
| Static linear load                          | 313N/cm  |
| Vibration frequency (high)                  | 35Hz   |
| Vibration frequency (low)                   | 30Hz   |
| Nominal vibration amplitude (high)          | 1.90 mm  |
| Nominal vibration amplitude (low)           | 0.95 mm  |
| Vibration force (high)                      | 270kN  |
| Vibration force (low)                       | 184kN  |
| Theoretical gradeability                    | 40%  |
| Minimum ground clearance                    | 355 mm   |
| Overall dimension                           | 6093x3130x2130mm                                     |
| Engine model                                | DEUTZ BF4M2012C                                      |
| Engine type                                 | Inline, water-cooling, 4 stroke and direct injection |
| Number of cylinder - Cylinder bore x stroke | 4-Φ101x126   |
| Top torque                                  | 493Nm  |
| Rated power                                 | 98kW   |
| Rated speed                                 | 2300r/min  |
| Minimum fuel consumption                    | ≤ 215g/kW.h  |

| Item                          | Specifications                                    |
|-------------------------------|---|
| Transmission type             | Closed-loop, static hydraulic                     |
| Transmission working pressure | 40MPa   |
| Main drive of drive axle      | Spiral bevel gear single-stage reduction          |
| Drive axle wheel reducer      | Hydraulic deceleration                            |
| Travelling speed              | 0~12km/h  |
| Working speed                 | 1~9km/h   |
| Tyres specification           | 23.1-26-14PR                                      |
| Tyres air pressure            | 0.23MPa   |
| Service brake                 | Stop at neutral hydraulic position                |
| Parking brake                 | Brake at electric cut-off                         |
| Emergency brake               | Brake at electric cut-off                         |
| Steering type                 | Load sensing fully hydraulic articulated steering |
| Steering angle                | 35°   |
| Swing angle                   | 12°   |
| Minimum outer turning radius  | 6400 mm   |
| Working pressure              | 14MPa   |
| Vibration type                | Closed-loop static hydraulic                      |
| Type                          | 30MPa   |
| Fuel                          | 220L  |
| Hydraulic oil                 | 146L  |

The above parameters can be modified without separate notification, the illustrations might not be the standard equipments of the model.