



## RD28e-120o

### Electric tandem roller

Comfortable, efficient, and emission-free

The RD28e has an electrically driven vibration and/or oscillation unit. As a result, compaction works can be performed emission-free without cutting corners in terms of performance. The three-point articulated joint ensures an equal weight distribution with optimal maneuverability and operational stability. The operator benefits from intuitive operation, as well as the extensive view of the compaction area. The compact dimensions make the RD28e an all-rounder for the construction site.

### Highlights

- No exhaust emissions
- Large curb clearance
- Uniform operating concept

### Technical Data

#### ■ Mechanical - Output Details

|                                       |                |
|---------------------------------------|----------------|
| Gradeability                          | 30.0 %         |
| Gradeability max. (without vibration) | 40.0 %         |
| Travel speed                          | 0.0 - 8.0 km/h |
| Static linear load (front)            | 130.40 kg/mm   |
| Compaction force Level I (front)      | 49 kN          |
| Compaction force Level II (front)     | 35 kN          |
| Vibration frequency Level I (front)   | 65.0 Hz        |
| Vibration frequency Level II (front)  | 51.0 Hz        |
| Amplitude Level I (front)             | 0.5000 mm      |
| Amplitude Level II (front)            | 0.5100 mm      |
| Centrifugal force Level I (front)     | 36 kN          |
| Oscillation frequency Level I (rear)  | 36.0 Hz        |
| Oscillation frequency Level II (rear) | 29.0 Hz        |
| Tangential amplitude Level II (rear)  | 1.3 mm         |
| Oscillation force Level I (rear)      | 33.0 kN        |
| Oscillation force Level II (rear)     | 23.0 kN        |

#### ■ Mechanical Details

|                        |            |
|------------------------|------------|
| Length                 | 2,530.0 mm |
| Width                  | 1,310.0 mm |
| Operating weight       | 2,810.0 kg |
| Dry Weight             | 2,645.0 kg |
| Gross vehicular weight | 2,910.0 kg |

|  |             |
|--|-------------|
| Curb clearance right                                 | 55.0 mm     |
| Curb clearance left                                  | 55.0 mm     |
| Operating width                                      | 1,200.0 mm  |
| Ground clearance Middle                              | 280.0 mm    |
| Turning radius inside                                | 2,370.0 mm  |
| Operating weight with roll-over protective structure | 2,810.0 kg  |
| Wheelbase  | 1,700.0 mm  |
| Operating weight, max.                               | 3,190.00 kg |
| Curb clearance (left)                                | 570.0 mm    |
| Curb clearance (right)                               | 570.0 mm    |
| Empty weight with ROPS                               | 2,645.0 kg  |
| Turning radius outside                               | 3,570.0 mm  |
| Drum width (front)                                   | 1,000.0 mm  |
| Drum width (rear)                                    | 1,000.0 mm  |
| Drum diameter (front)                                | 720.0 mm    |
| Drum diameter (rear)                                 | 720.0 mm    |
| Drum thickness (front)                               | 15.0 mm     |

#### ■ Environment Data

|                             |             |
|-----------------------------|-------------|
| Sound power LWA, measured   | 99.0 dB(A)  |
| Sound power LWA, guaranteed | 104.0 dB(A) |

#### ■ Operating Fluids

|                     |         |
|---------------------|---------|
| Water tank capacity | 180.0 l |
|---------------------|---------|

|                    |       |
|--------------------|-------|
| Pendulum angle +/- | 8.0 ° |
|--------------------|-------|