



## RD45-140o

### Tandem roller

#### Powerful and versatile

The articulated RD45 is a powerful roller that offers balanced weight distribution on the front and rear drum which provides very even compaction results. It offers a high degree of driving stability and is easy to maneuver. Additionally, the excellent view compacted area and the large drum diameter contribute to first-class results. The ROPS roll-over protective structure, which can be folded away to the rear for transport, makes for a safer working environment.

## Highlights

- Rear axle with oscillation drum
- Ergonomic work platform
- Uniform operating concept
- Large line-of-sight, compact construction

## Technical Data

### ■ Mechanical - Output Details

|                                       |                 |
|---------------------------------------|-----------------|
| Gradeability                          | 30.0 %          |
| Gradeability max. (without vibration) | 40.0 %          |
| Travel speed                          | 0.0 - 11.0 km/h |
| Static linear load (front)            | 1.63 kg/mm      |
| Compaction force Level I (front)      | 71 kN           |
| Compaction force Level II (front)     | 43 kN           |
| Compaction force I (rear)             | 90 kN           |
| Compaction force II (rear)            | 62 kN           |
| Vibration frequency Level I (front)   | 57.0 Hz         |
| Vibration frequency Level II (front)  | 48.0 Hz         |
| Amplitude Level I (front)             | 0.5100 mm       |
| Amplitude Level II (front)            | 0.3100 mm       |
| Centrifugal force Level I (front)     | 58 kN           |
| Oscillation frequency Level I (rear)  | 38.0 Hz         |
| Oscillation frequency Level II (rear) | 29.0 Hz         |
| Tangential amplitude Level II (rear)  | 1.4 mm          |
| Oscillation force Level I (rear)      | 68.0 kN         |
| Oscillation force Level II (rear)     | 40.0 kN         |

### ■ Mechanical Details

|        |            |
|--------|------------|
| Length | 2,896.0 mm |
| Width  | 1,506.0 mm |

|  |             |
|--|-------------|
| Height   | 1,820.0 mm  |
| Operating weight                                     | 4,535.0 kg  |
| Dry Weight   | 4,280.0 kg  |
| Gross vehicular weight                               | 4,710.0 kg  |
| Curb clearance right                                 | 63.0 mm     |
| Curb clearance left                                  | 63.0 mm     |
| Operating width                                      | 1,380.0 mm  |
| Ground clearance Middle                              | 305.0 mm    |
| Turning radius inside                                | 2,650.0 mm  |
| Operating weight with roll-over protective structure | 4,535.0 kg  |
| Operating weight with cabin                          | 4,785.0 kg  |
| Wheelbase  | 1,950.0 mm  |
| Operating weight, max.                               | 5,730.00 kg |
| Curb clearance (left)                                | 720.0 mm    |
| Curb clearance (right)                               | 720.0 mm    |
| Total height with cabin                              | 2,720.0 mm  |
| Empty weight with cabin                              | 4,540.0 kg  |
| Empty weight with ROPS                               | 4,280.0 kg  |
| Turning radius outside                               | 4,030.0 mm  |
| Drum width (front)                                   | 1,380.0 mm  |
| Drum width (rear)                                    | 1,380.0 mm  |
| Drum diameter (front)                                | 898.0 mm    |

|                               |               |
|-------------------------------|---------------|
| Drum diameter (rear)          | 898.0 mm      |
| Drum thickness (front)        | 16.0 mm       |
| <b>■ Engine</b>               |               |
| Cylinder capacity             | 2,434.0 cm3   |
| Effective power               | 37.4 KW       |
| Nominal Engine speed          | 2,700.0 1/min |
| Standard (Effective power)    | ISO 14396     |
| Starter battery Voltage       | 12.0 V        |
| Battery capacity (nom. value) | 95.0 Ah       |
| Engine Manufacturer           | Kubota        |
| Engine Designation            | V2403-CR      |
| <b>■ Environment Data</b>     |               |
| Sound level LpA               | 88.0 dB(A)    |
| Sound power LWA, measured     | 102.0 dB(A)   |

|                             |             |
|-----------------------------|-------------|
| Sound power LWA, guaranteed | 106.0 dB(A) |
| Exhaust aftertreatment      | DOC-DPF     |
| Catalyst                    | yes         |
| Particle filter             | yes         |
| CO (NRTC)                   | 0.1 g/KWh   |
| CO2 (NRTC)                  | 834.6 g/KWh |
| HC + NOx (NRTC)             | 3.0 g/KWh   |
| PM (NRTC)                   | 0.0 g/KWh   |
| <b>■ Operating Fluids</b>   |             |
| Water tank capacity         | 260.0 l     |
| Fuel Tank capacity          | 73.0 l      |
| <b>■ Chassis</b>            |             |
| Pendulum angle +/-          | 8.0 °       |