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## RD28-120 DPF

5100047390

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### RD28-120 DPF

Material number 5100047390

2.8 t-class tandem roller, two vibration drums, with diesel particulate filter.



### Product details

#### Highlights

- Ergonomic work platform
- Clearly arranged, intuitive operator panel
- Large line-of-sight, compact construction

# Technical specifications

## RD28-120 DPF

| OPERATING FLUIDS    | Metric  |
|---------------------|---------|
| Fuel Tank capacity  | 42,0 l  |
| Water tank capacity | 180,0 l |

| ENGINE                        | Metric                |
|-------------------------------|-----------------------|
| Battery capacity (nom. value) | 95 Ah                 |
| Engine Manufacturer           | Kubota                |
| Cylinder capacity             | 1.826 cm <sup>3</sup> |
| Standard (Effective power)    | ISO 14396             |
| Nominal Engine speed          | 2.200 1/min           |
| Starter battery Voltage       | 12 V                  |
| Effective power               | 24,0 kW               |
| Engine Designation            | D1803-CR              |

| MECHANICAL - OUTPUT DETAILS    | Metric     |
|--------------------------------|------------|
| Compaction force II(front)     | 38 kN      |
| Static Cross Slope             | 30 °       |
| Linear load w. vibr.II (rear)  | 3,26 kg/mm |
| Centrifugal force II (rear)    | 30 kN      |
| Amplitude Level II (rear)      | 0,45 mm    |
| Static linear load (rear)      | 1,13 kg/mm |
| Linear load w. vibr.II (front) | 3,24 kg/mm |
| Amplitude Level II (front)     | 0,45 mm    |
| Linear load w. vibr. I (rear)  | 4,62 kg/mm |
| Amplitude Level I (rear)       | 0,45 mm    |
| Centrifugal force I (front)    | 49 kN      |
| Gradeability max. (without vib | 40,0 %     |
| Linear load w. vibr. I (front) | 4,60 kg/mm |

|                                |                 |
|--------------------------------|-----------------|
| Vibration frequency I (front)  | 65 Hz           |
| Vibration frequency II (rear)  | 51 Hz           |
| Vibration frequency II (front) | 51 Hz           |
| Amplitude Level I (front)      | 0,45 mm         |
| Centrifugal force II (front)   | 30 kN           |
| Gradeability                   | 30,0 %          |
| Compaction force I (front)     | 54 kN           |
| Static linear load (front)     | 1,11 kg/mm      |
| French classific., data/class  | 11,3/PV3        |
| Centrifugal force I (rear)     | 49 kN           |
| Compaction force II(rear)      | 38 kN           |
| Compaction force I (rear)      | 54 kN           |
| Travel speed                   | 0,0 - 10,6 km/h |
| Vibration frequency I (rear)   | 65 Hz           |

|                             |                       |
|-----------------------------|-----------------------|
| <b>ENVIRONMENT DATA</b>     | Metric                |
| Exhaust aftertreatment      | DOC-DPF               |
| CO (NRTC)                   | 0,0640 g/KWh          |
| CO2 (NRTC)                  | 858,7 g/KWh           |
| Exhaust-gas limit           | EU Stage V, US TIER 4 |
| Sound power LWA, guaranteed | 106,0 dB(A)           |
| HC + NOx (NRTC)             | 3,232 g/KWh           |
| Sound level LpA             | 86,0 dB(A)            |
| PM (NRTC)                   | 0,0006 g/KWh          |
| Sound power LWA, measured   | 102,0 dB(A)           |
| Particle filter             | yes                   |
| Catalyst                    | yes                   |
| Vibration, Whole Body       | <= 0,5 m/s²           |

|                           |          |
|---------------------------|----------|
| <b>MECHANICAL DETAILS</b> | Metric   |
| Empty weight with ROPS    | 2.510 kg |
| Wheelbase                 | 1.700 mm |

|                                |             |
|--------------------------------|-------------|
| Drum diameter (front)          | 720 mm      |
| Drum thickness (rear)          | 15 mm       |
| Operating width                | 1.200 mm    |
| Operating weight with roll-ove | 2.695,0 kg  |
| Operating weight               | 2.695,0 kg  |
| Drum thickness (front)         | 15 mm       |
| Turning radius outside         | 3.570 mm    |
| Curb clearance left            | 55 mm       |
| Height                         | 1.752 mm    |
| Turning radius inside          | 2.370 mm    |
| Width                          | 1.310 mm    |
| Drum width (front)             | 1.200 mm    |
| Curb clearance (left)          | 570 mm      |
| Curb clearance right           | 55 mm       |
| Drum diameter (rear)           | 720 mm      |
| Curb clearance (right)         | 570 mm      |
| Total height with ROPS         | 2.378 mm    |
| Drum width (rear)              | 1.200 mm    |
| Dry Weight                     | 2.510,0 kg  |
| Gross vehicular weight         | 2.810,0 kg  |
| Length                         | 2.530 mm    |
| Ground clearance               | 280 mm      |
| Operating weight, max.         | 3.410,00 kg |

|                    |        |
|--------------------|--------|
| <b>CHASSIS</b>     | Metric |
| Pendulum angle +/- | 8 °    |

**Please Note**

This product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the started power may vary due to specific operating conditions. Subject to alterations and errors expected. Applicable also to illustrations.

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