RD24-100 DPF
5100047380



RD24-100 DPF

Material number 5100047380

2,4-t-class tandem roller, two vibration drums, with diesel particulate filter.

Product details

•Uniform operating concept
•Large line-of-sight, compact construction

Errors and omissions are reserved. The information in this data sheet is based on present knowledge. However, this neither guarantees specific product features nor establishes a legally valid contractual relationship.

Technical specifications

RD24-100 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 cm3
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)	34 kN
Static Cross Slope	30 °
Linear load w. vibr.II (rear)	3,51 kg/mm
Centrifugal force II (rear)	26 kN
Amplitude Level II (rear)	0,45 mm
Static linear load (rear)	1,27 kg/mm
Linear load w. vibr.II (front)	3,45 kg/mm
Amplitude Level II (front)	0,45 mm
Linear load w. vibr. I (rear)	4,94 kg/mm
Amplitude Level I (rear)	0,45 mm
Centrifugal force I (front)	43 kN
Gradeability max. (without vib	40,0 %
Linear load w. vibr. I (front)	4,87 kg/mm

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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)	26 kN
Gradeability	30,0 %
Compaction force I (front)	48 kN
Static linear load (front)	1,21 kg/mm
French classific., data/class	12,7/PV3
Centrifugal force I (rear)	43 kN
Compaction force II(rear)	34 kN
Compaction force I (rear)	48 kN
Travel speed	0,0 - 10,6 km/h
Vibration frequency I (rear)	65 Hz

ENVIRONMENT DATA	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

MECHANICAL DETAILS	Metric
Empty weight with ROPS	2.290 kg
Curb clearance (left)	570 mm

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Curb clearance right	55 mm
Drum diameter (rear)	720 mm
Curb clearance (right)	570 mm
Wheelbase	1.700 mm
Drum diameter (front)	720 mm
Total height with ROPS	2.378 mm
Drum thickness (rear)	15 mm
Drum width (rear)	1.000 mm
Dry Weight	2.290,0 kg
Gross vehicular weight	2.590,0 kg
Operating width	1.000 mm
Operating weight with roll-ove	2.475,0 kg
Operating weight	2.475,0 kg
Drum thickness (front)	15 mm
Ground clearance Middle	280 mm
Length	2.530 mm
Turning radius outside	3.470 mm
Curb clearance left	55 mm
Operating weight, max.	3.190,00 kg
Turning radius inside	2.470 mm
Width	1.110 mm
Drum width (front)	1.000 mm

CHASSIS	Metric
Pendulum angle +/-	8 °

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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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