

# **CA1400D**Single drum vibratory rollers





### TECHNICAL DATA

#### **MASSES**

Operating mass (incl. ROPS) 6500 kg
Operating mass (incl. Cab) 6700 kg
Max. operating mass 7350 kg

#### COMPACTION

Static linear load 20 kg/cm
Nominal amplitude (high/low) 1,7 /0,8 mm
Vibration frequency (high/low amplitude) 32/32 Hz
Centrifugal force (high/low amplitude) 114/55 kN

#### **TRACTION**

Speed range 0-10 km/h Max. theoretical gradeability 56 % Vertical oscillation  $\pm 9^{\circ}$ 

#### **ENGINE**

Manufacturer /Model Kubota V 3307 CR-TE4 (Stage IIIB/T4f)

Type Water cooled turbo diesel

Rated power, SAE J1995 55 kW (75 hp ) @ 2,200 rpm

Fuel tank capacity 117 I

#### **ENGINE**

Manufacturer /Model Kubota V 3307 CR-TE5 (Stage V)

Type Water cooled turbo Diesel

Rated power, SAE J1995 55 kW (75 hp ) @ 2,200 rpm

Fuel tank capacity 117 I

#### HYDRAULIC SYSTEM

Driving

Hydrostatic with a traction pump supplying two parallel connected motors, one on rear axle and one on drum.

Hydrostatic with a vibration pump supplying a motor connected to the eccentric axle generating the vibrations.

Mechanical-hydraulic with steering valve supplying the steering cylinder. Steering angle is proportional to steering wheel.

Service

Service Hydrostatic in forward and reverse lever.

Parking/

Emergency Failsafe multidisc brake in rear axle and front drum motor. brake

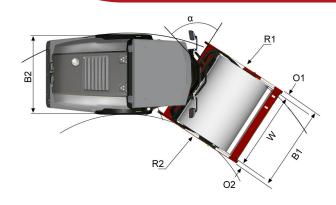
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### **DIMENSIONS**

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A. Wheelbase	2200 mm
B1. Width, front	1870 mm
B2. Width, rear	1530 mm
D. Drum diameter	1219 mm
H1. Height, with ROPS/cab	2700 mm
H2. Height, max.	2700 mm
K1. Ground clearance	360 mm
K2. Curb clearance	360 mm
L. Length	4510 mm
O1. Overhang, right	95 mm
O2. Overhang, left	95 mm
R1. Turning radius, outside	4580 mm
R2. Turning radius, inside	2900 mm
S. Drum shell thickness	22 mm
W. Drum width	1676 mm
α. Steering angle	±33°

## OPTIONAL EQUIPMENT

#### Air Conditioning /Automatic Climate Control (ACC) (Optional)

- The system contains fluorinated greenhouse gases.
- Coolant designation: HFC-134a
- Coolant weight when full: 0,62 kg
- CO<sub>2</sub>-equivalent: 0,887 ton
- GWP: 1430

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