



Instruction manual

4812325897EN
Operating & Maintenance

Vibratory Roller
CA25 / 30 / 35

Engine
Cummins QSF 3.8

Serial Number
From 10000179xxB007386 –

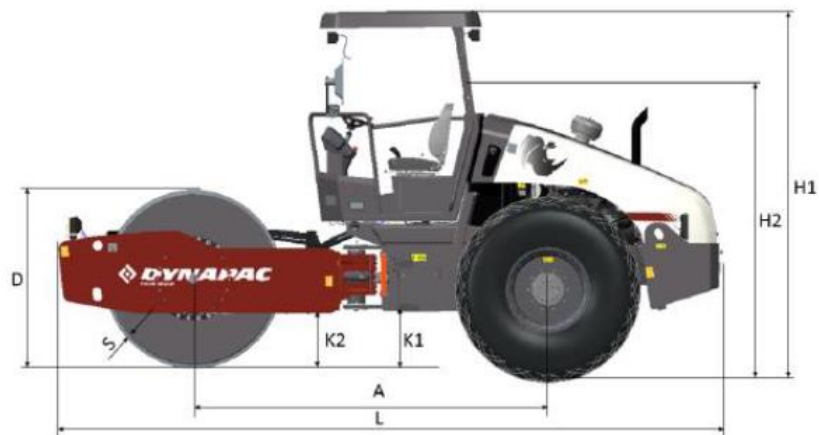


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Technical specifications – Dimensions

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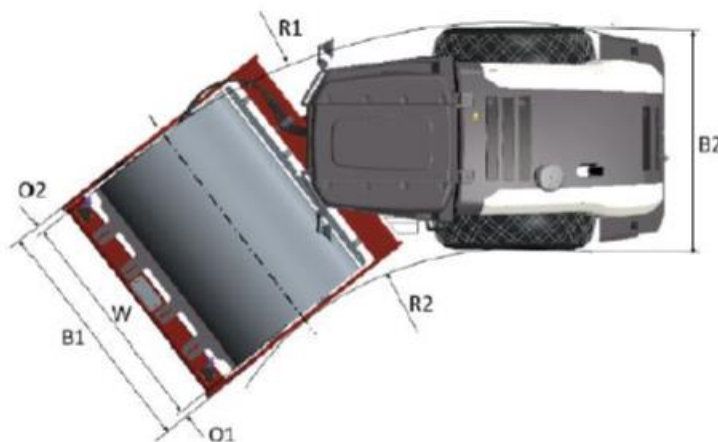
Dimensions – Side view



	Dimensions	mm	pol
A	Wheelbase, drum and wheel	2990	117,7
L	Length, standard equipped roller	5560	218,9
H1	Height, with ROPS/cab (D)	2890	113,8
H1	Height, with ROPS/cab (PD)	2890	113,8
H2	Height, without ROPS (D)	2400	94,5
H2	Height, without ROPS (PD)	2400	94,5
D	Diameter, drum (D)		
	CA25, CA30	1500	59
	CA35	1510	59,4
D	Diameter, drum (PD)	1694	66,7
S	Thickness, drum amplitude, Nominal (D)		
	CA 25, CA30	25	0,98
	CA35	30	1,2
S	Thickness, drum amplitude, Nominal (PD)	20	0,79
K1	Clearance, tractor frame	460	18,1
K2	Clearance, drum frame (D, PD)	460	18,1

Technical specifications – Dimensions

Dimensions – Top view



	Dimensions	mm	pol
B1	Width, front		
	CA25(PD/D), CA30(PD/D), and CA35 (PD)	2256	88,8
	CA35D	2276	89,6
B2	Width, rear	2130	83,9
O1	Overhang, left frame side		
	CA25(PD/D), CA30(PD/D), and CA35(PD)	63	2,48
	CA35 (D)	73	2,87
O2	Overhang, right frame side		
	CA25, CA30, and CA35 (PD)	63	2,48
	CA35 (D)	73	2,87
R1	Turn radius, external		
	CA25, CA30	5650	222,4
	CA35	5660	222,8
R2	Turning radius, inner		
	CA25(PD/D), CA30(PD/D), and CA35 (PD)	3255	128,1
	CA35 (D)	3245	127,8
W	Width, drum	2130	83,9

Technical specifications – Weights and volumes

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Operational weight		Canopy	ROPS	Cab
CA25D	(kg)	10.300	10400	10500
	(lb)	22707	22928	23148
CA25PD	(kg)	10.500	10600	23369
	(lb)	23148	10700	23589
CA30D	(kg)	11.100	11.200	11.300
	(lb)	22471	24691	24912
CA30PD	(kg)	11.300	11.400	11.500
	(lb)	24912	25132	25353
CA35D	(kg)	12.100	12.200	12.300
	(lb)	26676	26896	27117
CA35PD	(kg)	12.500	12.600	12.700
	(lb)	27558	27778	27999

Fluid volumes		D/DP		
Rear axle				
- Differential	10	liters	10,6	qts
- Planetary gear (standard axle)	1,9	liters/each	2	qts/each
Drum gearbox	3	liters	3,2	qts
Cartridge	2,2	liters	2,3	qts/each
Hydraulic oil reservoir	55	liters	14,4	gal
Oil in the hydraulic system	80	liters	21,1	gal
Diesel engine oil	14,6	liters	15,4	qts
Diesel engine coolant	6,4	liters	1,7	gal
Fuel tank	250	liters	66	gal

Technical specifications – Working capacity

Compaction data

Static linear load (D)

CA25	26	kg/cm	146	pli
CA30	30	kg/cm	168	pli
CA35	35	kg/cm	196	pli

Amplitude, High (D)

CA25, CA30	1,8	mm	0,071	pol
CA35	1,7	mm	0,07	pol

Amplitude, High (PD)	2,0	mm	0,079	pol
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Amplitude, Low (D)

CA25, CA30	0,9	mm	0,035	pol
CA35	0,8	mm	0,031	pol

Amplitude, Low (PD)	1,1	mm	0,043	pol
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Vibration frequency, amplitude high / low (D)	33	Hz	1.980	vpm
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Vibration frequency, amplitude high / low (PD)	30	Hz	1.800	vpm
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Centrifugal force, amplitude high (D)	250	kN	56,202	lb
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Centrifugal force, amplitude high (PD)	270	kN	60,698	lb
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Centrifugal force, amplitude low (D)	123	kN	27,651	lb
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Centrifugal force, amplitude low (PD)	150	kN	33,721	lb
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