

Dynapac CA1400PD

Single drum vibratory rollers

Atlas Copco



Technical data

Masses		
Operating mass (incl. ROPS)	14,350 lbs	
Module mass (front/rear)	7,500/6,850 lbs	
Max. operating mass	15,200 lbs	
Propulsion		
Speed range	0-6.2 mph	
Tire size (16 ply)	400/60-22.5 flotation	
Theor. gradeability	50 %	
Vertical oscillation	$\pm 9^\circ$	
Number of pads	132	
Pad area	13 in ²	
Pad height	3 in	
Compaction		
Static linear load	112 lbs/in	
Nominal amplitude (high/low)	0.062/0.031 in	
Vibration frequency (high/low amplitude)	1,920/1,920 vpm	
Centrifugal force (high/low amplitude)	25,600/12,400 lbf	
Engine		
Manufacturer/Model	Kubota V 3307 CR-TE4 (stage IIIB/T4)	
Type	Water cooled turbo diesel	
Rated power, SAE J1995	75 hp @ 2,200 rpm	
Fuel tank capacity	31 gal	
Hydraulic system		
Driving	Hydrostatic with a traction pump supplying two parallel connected motors, one on rear axle and one on drum.	
Vibration	Hydrostatic with a vibration pump supplying a motor connected to the eccentric axle generating the vibrations.	
Steering	Mechanical-hydraulic with steering valve supplying the steering cylinder. Steering angle is proportional to steering wheel.	
Service brake	Hydrostatic in forward and reverse lever.	
Parking/ Emergency brake	Failsafe multidisc brake in rear axle and front drum motor.	

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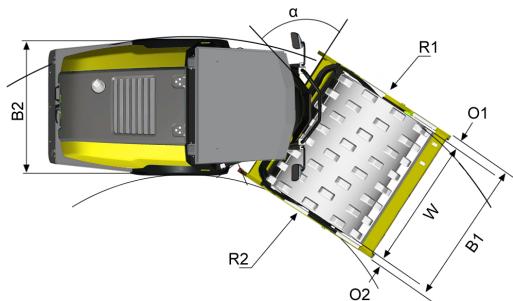
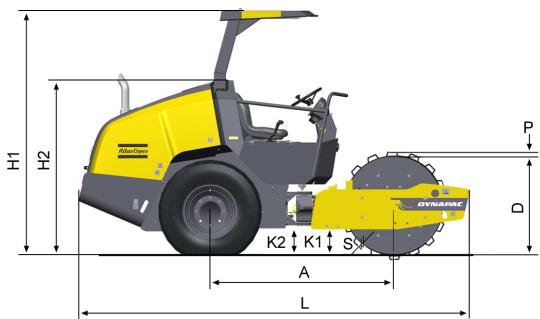
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Dimensions

A. Wheelbase	87 in
B1. Width, front	73 in
B2. Width, rear	60 in
D. Drum diameter	48 in
H1. Height, with ROPS	107 in
K1. Ground clearance	14 in
K2. Curb clearance	14 in
L. Length	177 in
O1. Overhang, right	3 3/4 in
O2. Overhang, left	3 3/4 in
P. Pad height	3 in
R1. Turning radius, outside	180 in
R2. Turning radius, inside	114 in
S. Drum shell thickness	0.67 in
W. Drum width	66 in
α. Steering angle	±33°

Standard equipment

Back up alarm, Battery switch (std), Brake release, Cup and can holder, Differential lock (limited slip), Drive control (right side), Drum drive (pad drum), ECO mode, Emergency stop, Engine 55 kW (Stage IIIB/Tier4final), Engine hood (lockable), Fuel level display, High mounted exhaust pipe, Horn, Hour meter display, Hydraulic checkpoints, Hydraulic fluid filter ("spin-on"), Hydraulic fluid (mineral), Interlock, Key (starter), Lifting points, Lifting points for jack, Manuals (Operation & Maintenance), Manuals (Spare parts catalogue), Operator's platform (rubber mounted), Operator's station (fixed), Parking brake, ROPS (fixed), Seat (adjustable), Seat belt 3", Storage box (on platform), Storage for laminated manuals, Tie down points, Vandal cover (instrument panel), Warning lights (brake, engine oil pressure, engine oil temperature, engine diagnostics, low charge, low fuel level)

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