

# DYNAPAC CA 302 VIBRATORY SOIL COMPACTOR



SVEDALA



# Vibratory Roller Compactor CA 302

## Hard-wearing, 13–16 tons blasted-rock compactor with a wide drum

The CA 302 has a very wide range of application. The thickness and grade of steel of the drum are adapted for the compaction of blasted rock fill, but CA 302 also features excellent capability on other types of fill. A special PD-version is available for the compaction of clayey earth.

The vibratory element of the drum is of the cassette type, with dual amplitude and frequency.

The optimum balanced weight between the drum module and tractor module ensures very good compaction performance and fantastic maneuverability. The turning radius is small, which makes the machine nimble even in cramped areas.

The outer face of the compactor frame is fitted with flush-countersunk bolts, which reduce the overall width and permits driving close to foundations and railings.

## Unbeatable ergonomics

The working environment of the operator was one of the essential features in the development of this vibratory roller. The entire operator's station rests on a completely new type of vibration isolator, which not only damper vibrations but also operate as shock absorbers when the machine runs on uneven ground.

A spacious comfort cab with built-in ROPS and rotating operator's module is available as an optional feature.

The entire operator's station is designed in consultation with roller operators and specialists in ergonomics and operator environments.

## Optimum engine installation

The sturdy engine hood effectively suppresses noise from the engine compartment. The shape of the hood permits a good safety view to the rear and the hood can be raised with an easy grip of the hand. All recurring service points can be easily reached, without having to climb onto the machine. The radiator is located at the far rear to ensure the highest possible cooling effect and good accessibility.

There are of course built-in test points for quick condition testing of the hydraulic system of the roller.

The exhaust system is integrated with the rear frame, to effectively avoid being damaged in tough applications.

## Cost effective

A modern, fuel efficient, turbo-charged diesel engine and a very efficient hydraulic system with low fluid level, contribute to low operating costs. High capacity, together with high reliability, long service periods and favorable service accessibility also contribute to keeping operating costs at a low level. Add to this Dynapac's high quality and the high trade-in value and you will find that the overall cost of the CA 302 is extremely favorable.



## Maximum recommended thickness of layer at normal compaction requirements (inches)





## STANDARD

- Adjustable seat
- Backup alarm
- Brake release
- Dual amplitudes
- Electric gear shifting
- Emergency stop
- Filler caps inside lockable hood
- Fuel gauge
- Horn
- Hour meter
- Hydraulic checkpoints
- Lifting points
- "Limited slip" rear axle
- Lockable hood
- Main battery switch
- Neutral start
- ROPS/FOPS (incl seat belt)
- Shock mounted operators platform
- Tilt steering wheel
- Vandal Protective Cover on console
- Vibration quick stop
- Volt meter/Engine temp. meter/Hydraulic temp. meter
- Warning light, Air cleaner
- Warning light, Brake
- Warning light, Engine oil pressure
- Warning light, Engine temperature
- Warning light, Hydraulic fluid filter
- Warning light, Hydraulic fluid temperature
- Warning light, Low charge
- Warning light, Low fuel level

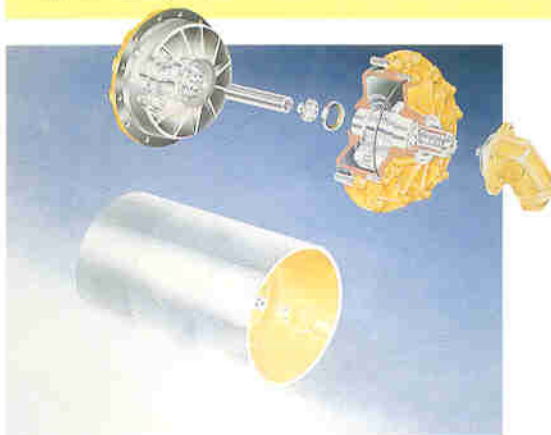
## STANDARD FOR CAB

- Air inlet filter
- Built-in ROPS
- Comfort seat with suspension
- Fan, fresh air (3-speed)
- Heater
- Interior light
- Noise reduction
- Rear view mirror, internal
- Safety glass, tinted
- Side windows, operable
- Sunscreen, front
- Swivelling seat
- Wiper with washer, front/rear

## OPTIONALS

- Canopy
- CCS-RA, roller computer
- Compaction meter
- Driving lights
- Drum hood
- Dual speed drum drive
- Frequency meter/Tachometer
- High mounted exhaust pipe
- Noise reduction
- Rear view mirrors, external
- Rotating beacon
- Safety cab (incl comfort package)
- Slow Moving Vehicle sign (SMV)
- Speedometer
- Strike off blade
- Swivelling seat
- Tool box
- Tool set
- Tractor wheels (STD on PD version)
- Working lights

◀ A large and form-rigid engine hood that can easily be raised and lowered with the aid of gas-springs.



▶ Cassette system for the vibratory element of the drum has many advantages with regard to service.

◀ The drum shell, made of 1.4 inch thick, high-grade alloyed steel, makes the CA 302 ideal for compaction of blasted rock fill.



▶ Unique, rotating operator's station inside the cab. (Optional feature on platform machines.)

## OPTIONALS FOR CAB

- Air conditioning
- First aid box
- Radio and cassette player
- Rear view mirrors, external
- Rotating beacon
- Tachograph
- Working lights

**Standard equipment/Optional equipment may vary for different markets.**

# Technical data CA 302

Weights (lb)	CA 302D	CA 302PD
Max. operating weight	32,855	32,635
Operating weight	27,785	27,565
Tractor module weight	9,925	9,925
Drum module weight	17,860	17,640

Traction	CA 302D	CA 302PD
Speed range (mph)	0 - 6	0 - 6
Number of pads	-	150
Pad area (sq.inches)	-	23
Vertical oscillation (°)	±9	±9
Steering angle (°)	±38	±38
Tire size (8 ply)	23.1x26	23.1x26
Theor. gradeability (%)	57	57

Compaction	CA 302D	CA 302PD
Static linear load (pli)	213	-
Nominal amplitude, high/low (inches)	0.067/0.032	0.063/0.030
Vibration frequency (vpm)		
@ high/low amplitude	1,800/1,980	1,800/1,980
Centrifugal force (lbs)		
@ high/low amplitude	56,025/32,850	56,025/32,850

## Engine

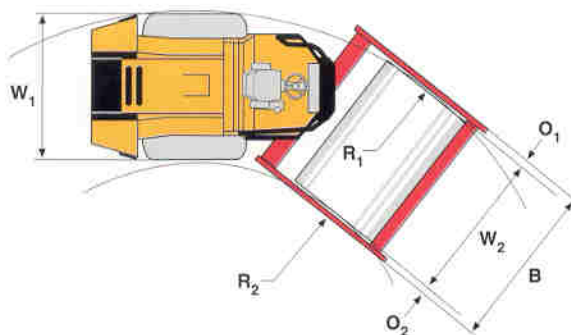
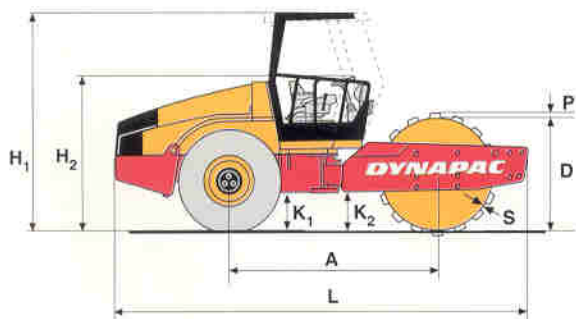
Model	Cummins 4BTA 3.9
Type	Water cooled turbo Diesel
Rated power, SAE, @ 2200 rpm (hp)	119
Fuel tank (gals)	66

## Hydraulic system

Driving	Axial piston pump with variable displacement.
	Axial piston motor with variable displacement.
	Axial piston motor with constant displacement.
Vibration	Axial piston pump with variable displacement.
	Axial piston motor with constant displacement.
Steering	Gear pump with constant displacement.
Service brake	Hydrostatic in forward & reverse controls.
Parking/ Emergency brake	Failsafe multi-disc brake on drum gear box and rear axle.

## Dimensions (inches)

	CA 302D	CA 302PD
A	113	113
B	94	94
D	61	60
H <sub>1</sub>	116	117
H <sub>2</sub>	86	87
K <sub>1</sub>	17	17
K <sub>2</sub>	16	19
L	215	216
O <sub>1</sub>	5	5
O <sub>2</sub>	5	5
P	-	4
R <sub>1</sub>	213	213
R <sub>2</sub>	122	122
S : Nominal	1.4	1
W <sub>1</sub>	84	84
W <sub>2</sub>	84	84



# SVEDALA



## Svedala Compaction Equipment AB

Box 504, SE-371 23 Karlskrona, Sweden, Phone: +46 455 627 00, Fax: +46 455 627 30

## Svedala Industries, Inc./Dynapac Compaction and Paving

P.O. Box 615, Schertz, TX 78154, USA, Phone: +1 210 474 5770, Fax: +1 210 474 5750

7449 Trafalgar Road, Hornby, Ontario L0P 1E0, Canada, Phone: +1 905 875 28 00, Fax: +1 905 875 2888

Svedala Group Companies serve markets in Australia, Austria, Belgium, Brazil, Canada, Chile, China, The Czech Republic, Denmark, Estonia, Finland, France, Germany, Ghana, Hong Kong, Hungary, India, Italy, Japan, Malaysia, Mexico, The Netherlands, New Zealand, Norway, Peru, Poland, Russia, South Africa, Spain, Sweden, Switzerland, United Arab Emirates, USA and Vietnam, while authorised agents and distributors cover virtually every other market in the world.

We reserve the right to change specifications without notice