

The CASE logo is rendered in a stylized, orange, blocky font. The letters are interconnected, with the 'A' and 'S' having a unique, geometric shape. The logo is set against a black background that features a series of vertical bars of varying heights, resembling a barcode or a stylized 'CASE' text.

1102 DA Asphalt Version Self-Propelled Vibratory Roller



- Hydrostatic drive for smooth, easy handling plus infinitely variable speeds in work and travel ranges
- Drum drive unit (1102DA) has choice of two amplitudes/two frequencies
- All hydraulic components enclosed, fully protected within frame
- High-wear Vulkolan scrapers clean the drum
- Smooth tires for asphalt application with cleaning mats
- Deutz 6-cylinder 119 hp (88.7 kW) air-cooled diesel engine for reliable, fuel-efficient power
- Two-speed ground drive, shifts on-the-go with push-button control
- Rugged 1 in (25.4 mm) wear-resistant steel drum
- Pressurized intermittent water system
- Large capacity 158 gal (600 L) water tank coated inside to prevent corrosion
- Water tank system adds versatility to the unit so it can be used on soil as well as asphalt

NOTE: Unit shown is equipped with non-standard items.

J I Case

A Tenneco Company

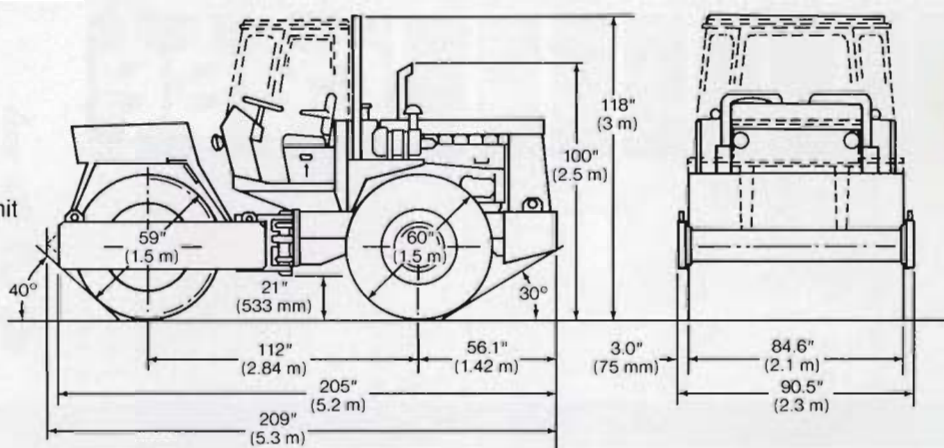
700 State Street Racine, WI 53404 U.S.A.



1102 DA SPECIFICATIONS

STANDARD FEATURES

- Maintenance-free articulation joint
- Articulation joint service lock
- Wheel chock with storage mounting
- Hand rails for mounting and dismounting unit
- Fuel tank, hydraulic oil tank and ignition equipped with key locks
- Lockable cover for instrument panel
- Oil bath vibrator lubrication
- Horn



ENGINE DATA

Make	Deutz
Model	F 6 L 912
Type	4 stroke, air cooled
	6-cylinder, diesel
Piston displacement	345 in ³ (5554 cm ³)
SAE net	119 hp (88.7 kW)
Engine Speed	2500 rpm
Starting	12 V
Alternator	35 amp.

FLUID CAPACITIES

Fuel Tank	74 gal U.S. (280 L)
Engine Crankcase	3.4 gal U.S. (13.0 L)
Hydraulic Reservoir	18.5 gal U.S. (70 L)
Water Tank	158 gal U.S. (600 L)

GROUND DRIVE

Hydrostatic drive to the drum and rear wheels. Plus 2-speed ground drive with push-button selector for on-the-go shift.

AXLE

Outboard planetary axle mounted to frame. Differential lock engaged with push-button control, locks both drive wheels for added traction. Lock engages only in straight ahead position with lock indicator light on.

BRAKES

Hydrostatic braking in neutral position of ground drive pump with engine running. Parking brake, mechanical drum type, hand operated with warning light.

STEERING

Articulated design with hydraulic power steering. Steering control can be adjusted to either side on slide rail.

VIBRATOR DRIVE

Piston type pump with two frequencies and two amplitudes.

INDICATOR LIGHTS AND GAUGES

Fuel gauge, hourmeter, engine temperature gauge, warning indicator lights for: alternator charge, engine oil pressure, engine blower belt and neutral start. Push-button control for horn, low-high range shift and differential lock with indicator light.

Sold and serviced by:

FILTERS

Hydraulic oil	.. ground drive element	} Mounted in the hydraulic tank and equipped with condition indicators.
	.. vibrator drive element	
	.. steering element	
Engine oil	.. spin-on type cartridge.	
Fuel	.. spin-on type cartridge.	
Air	.. Dry type dual element replaceable cartridge with condition indicator.	

OPERATING DATA

Speed: working range fwd/rev	.. 3.7 mph (6km/h)
Transport range fwd/rev	.. 7.5 mph (12 km/h)
Steering type	.. Articulated power steering
Articulation to either side	.. 37°
Oscillation	.. 15°
Turning radius	.. 12 ft (3.7 m)
Drum thickness	.. 1.0 in (25 mm)
Tires (smooth)	.. 23.1 x 26, 10 ply
Operating weight	.. 26,240 lbs (11 900 kg)
Drum weight (unsprung)	.. 11,684 lbs (5300 kg)
Weight distribution	.. front 14,423 lbs (6550 kg)
	.. (Static wt. at ground contact point) rear 11,780 lbs (5350 kg)
Static applied linear drum force (P.L.I.)	.. 171 lbs/in (30.7 kg/cm)

	1 Stage	2 Stage
Centrifugal force	38,666 lbs (17 539 kN)	23,604 lbs (10 707 kN)
Centrifugal force/rolling width (P.L.I.)	.460 lbs/in (82 kg/cm)	281 lbs/in (50 kg/cm)
Frequency	1680 VPM	2160 VPM
Amplitude (nominal)	.06 in (1.6 mm)	.02 in (0.6 mm)
Total applied force	51,466 lbs (23 345 kg)	36,404 lbs (16 513 kg)
Total applied linear force	613 lbs/in (109 kg/cm)	433 lbs/in (77 kg/cm)

NOTE: All specifications are stated in accordance with ICED Definitions or SAE Standards or recommended Practices, where applicable.

Important: J I Case reserves the right to change design, material and/or specifications without notice and without incurring any obligation relating to such changes.