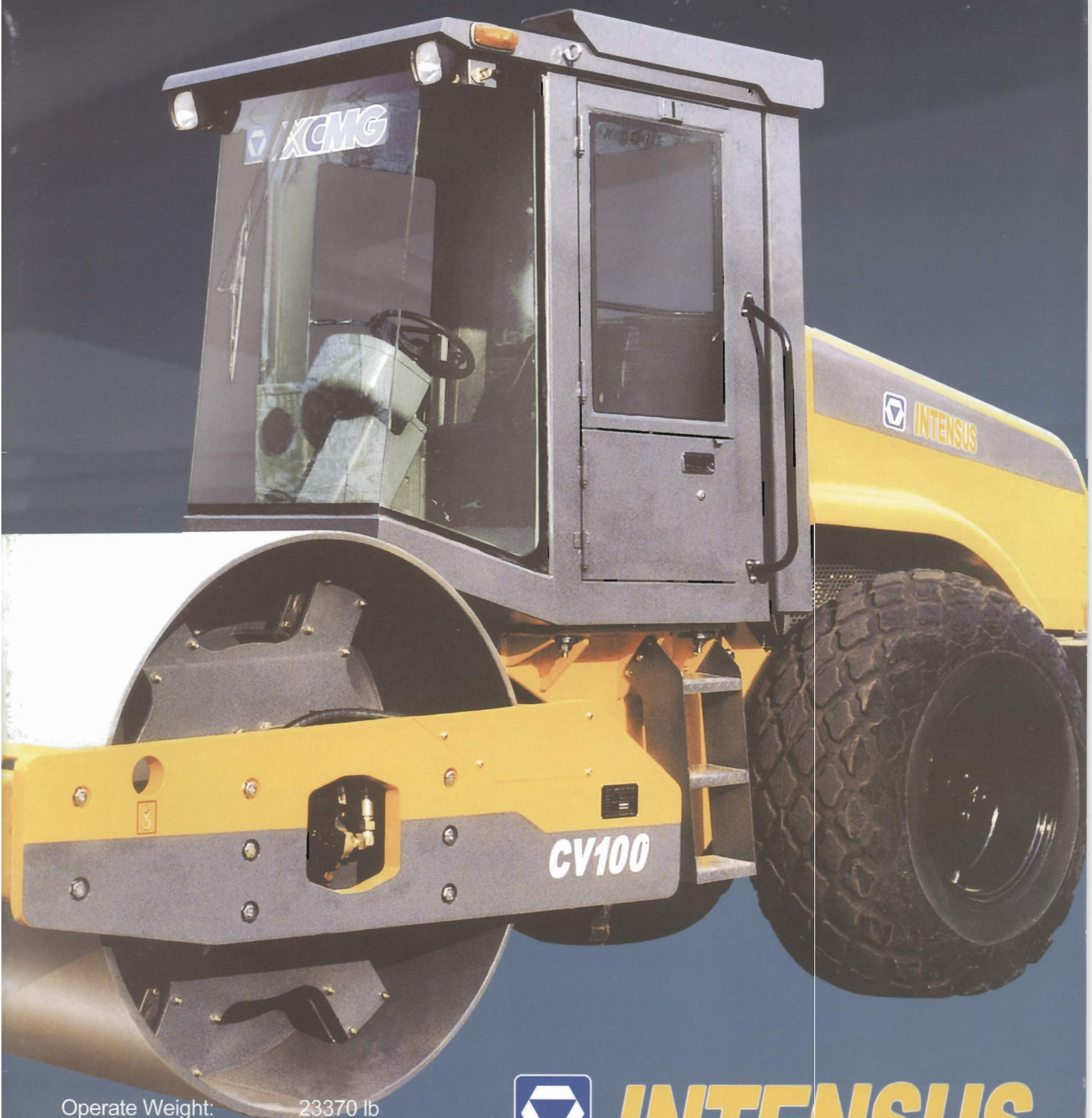


CV100

Series Vibratory Roller

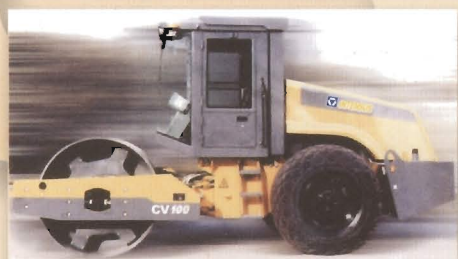


Operate Weight: 23370 lb
Engine Power: 152 hp



INTENSUS

CV100

FULLY HYDRAULIC
SINGLE DRUM
VIBRATORY ROLLER

SPECIFICATIONS

**Engine:**

Cummins B5.9-C

Four stroke cycle, turbo-charged, direct injection, diesel engine.

Rating at	SAE	Metric
Gross Power	152hp	113 kW
Net Power	135hp	100kW
Governed Speed	2500rpm	2500 rpm
Peak Torque (1500 rpm)	414 lb·ft.	561N·m
Nominal Torque Rise	30%	30%

**Transmission:**

Hydrostatic drive
Infinitely variable speed.

**Vibratory drum:**

Fully hydraulic power vibration and dual amplitudes. Vibratory drum driven by hydraulic motor and torque hub

**Drive axle:**

Main reduction with rim reduction.

Main characteristic:

The Intensus CV100 series roller is a self-propelled vibratory roller designed for compaction work on airports, and other major works. The CV100 series is available in two versions for different materials and types of work. It is efficient in compacting crushed material, gravel, fill, sand, clay as well as cement and asphalt bound materials.

**Brake system:**

Service brake: Static hydraulic system

Electrically applied parking brake: Static hydraulic system,
Static oil transmission acting on
brakes at drum and drive axle

**Electrical system:**

24V DC, 2 battery of 24V-56Ah capacity.

**Work device hydraulic system:**

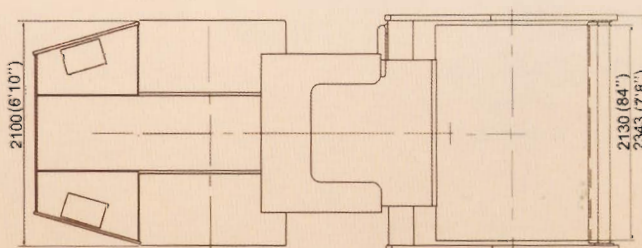
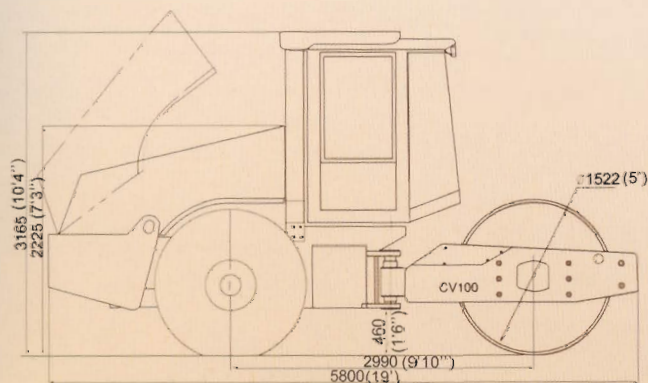
Transmission and vibration system are closed hydraulic circuit, steering system is open hydraulic circuit.

**Cab:**

Enclosed ROPS with tinted glass
and standard air conditioning

SPECIFICATIONS	UNIT	SPECIFICATIONS	
Type		CV100D	CV100PD
Operating weight	t/lb	10.6/23,369	10.9/24,030
Tractor module weight	t/lb	5.2/11,464	5.2/11,464
Drum module weight	t/lb	5.4/11,905	5.7/12,566
Tire specification		23.1-26-12PR	23.1-26-12PR
Theoretical grade ability	%	55	55
Width of drum	mm/in	2130/84	2130/83.86
Diameter of drum	mm/in	1522/59.92	1522/59.92
Thickness of drum shell	mm/in	25/0.984	25/0.984
Static linear load	N/cm/lb/in	253/144.56	
Amplitude: High/Low	mm/in	1.80/0.071;0.71/0.028	1.65/0.065;0.65/0.026
Frequency	Hz Hi/Low	30/35	30/35
Centrifugal force at high amplitude	kN/lb	210/47,242	210/47,242
Centrifugal force at low amplitude	kN/lb	110/24,746	110/24,746
Speed range	km/h/mph	0~12/0~7.46	0~12/0~7.46
Ground clearance	mm/in	450/17.72	450/17.72
Inner turning radius	mm/in	3770/148.43	3770/148.43
Outer turning radius	mm/in	5990/235.83	5990/235.83
Min. lateral overhang	mm/in	100/3.94	100/3.94
Engine model		Cummins B5.9-C	
Rated power	kW/rpm HP/rpm	113/2500	152/2500
Rater torque	N-m/Ft. lbs	434	320
Total displacement	cm ³ /Cu.Inch	5900	360
Specific fuel consumption	g/kW·h g/HP.h	242	180
Fuel tank capacity	litre/gal (U.S)	220/58.1	
Hydraulic oil capacity	litre/gal (U.S)	220/58.1	

DIMENSIONS



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