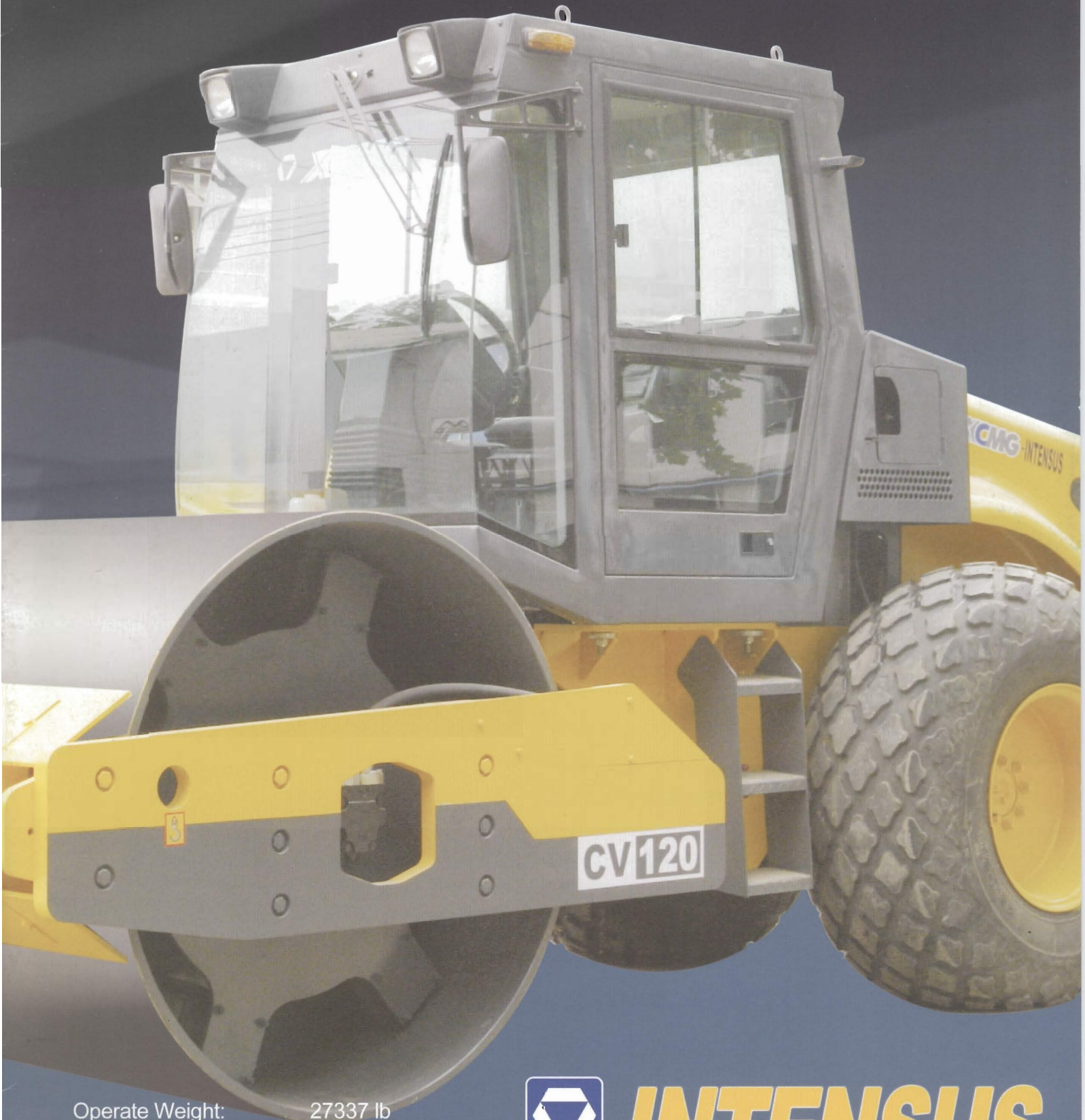


CV120

Series Vibratory Roller



Operate Weight: 27337 lb
Engine Power: 130 hp



INTENSUS

CV120

FULLY HYDRAULIC
SINGLE DRUM
VIBRATORY ROLLER



FULLY HYDRAULIC TANDEM

VIBRATORY ROLLER

SPECIFICATIONS



Engine:

Cummins B3.9-C

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

Rating at	SAE	Metric
Gross Power	130hp	97 kW
Net Power	122hp	90 kW
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 CV120 series roller is a self-propelled vibratory roller designed for compaction work on airports, and other major works. The CV120 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.

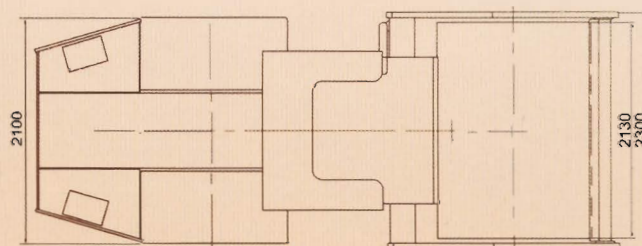
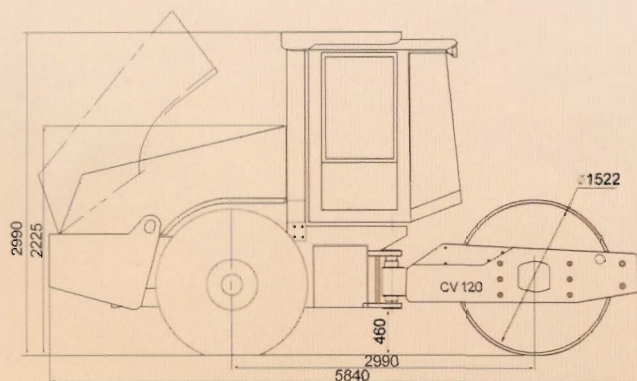


Cab:

Enclosed ROPS with tinted glass and standard air conditioning

DESCRIPTION	UNIT	SPECIFICATION
Model		CV120
Operating Weight	t / lb	12.4 / 27,337
Tractor Module Weight	t / lb	5.2 / 11,464
Drum Module Weight	t / lb	7.4 / 15,875
Tire Specification		23.1-26-12PR
Theoretical Grade Ability	%	47
Width of Drum	mm / in	2,130 / 83.86
Diameter of Drum	mm / in	1,523 / 59.96
Frequency	Hz	30 / 35
Centrifugal Force at High Amplitude	kN / lb	280 / 62,989
Centrifugal Force at Low Amplitude	kN / lb	190 / 42,743
Speed Range	km/h / mph	0 ~ 12 / 0 ~ 7.46
Ground Clearance	mm / in	460 / 18.11
Inner Turning Radius	mm / in	3,770 / 148.43
Outer Turning Radius	mm / in	5,990 / 235.83
Min. Lateral Overhang	mm / in	100 / 3.94
Engine Model		Cummins B3.9-C
Rated Power	kW / hp	97 / 130
Governed Speed	rpm	2,500
Rated Torque	N-m	561
Total Displacement	cm3	5,900
Torque Hub, Pump and Motor		Sauer
Fuel Tank Capacities	l / gal (U.S.)	220 / 58.1
Hydraulic Oil Capacities	l / gal (U.S.)	220 / 58.1

DIMENSIONS



CV

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