

CV80

Series Vibratory Roller



| | |
|-----------------|----------|
| Operate Weight: | 17196 lb |
| Engine Power: | 110 hp |



INTENSUS

CV80

FULLY HYDRAULIC
SINGLE DRUM
VIBRATORY ROLLER

FULLY HYDRAULIC TANDEM

VIBRATORY ROLLER



SPECIFICATIONS



Engine:

Cummins B3.9-C

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

| Rating at | SAE | Metrics |
|------------------------|------------|----------|
| Gross Power | 110hp | 80 kW |
| Net Power | 99hp | 72kW |
| Governed Speed | 2400rpm | 2400 rpm |
| Peak Torque (1500 rpm) | 286 lb·ft. | 388N·m |
| Nominal Torque Rise | 30% | 30% |



Transmission:

Hydrastatic
infinitely variable speed.



Vibratory drum:

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



Drive axle:

Main reduction with planetary reduction.

Main characteristic:

The XCMG CV80 series roller is a self-propelled vibratory roller designed for compaction work on Job sites where space is limited but high compaction capability is required. The CV80 series is available in three versions for different materials and types of work. It is efficient in compacting crushed material, gravel, sand, clay as well as cement and asphalt bound materials.



Brake system:

| | |
|----------------|--|
| Service brake: | Static hydraulic system |
| Parking brake: | Static hydraulic system, Static oil transmission acting on brakes at drum and drive axle Electrically applied |



Electrical system:

12V DC, 1 battery of 12V-56Ah capacity.



Work device hydraulic system:

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

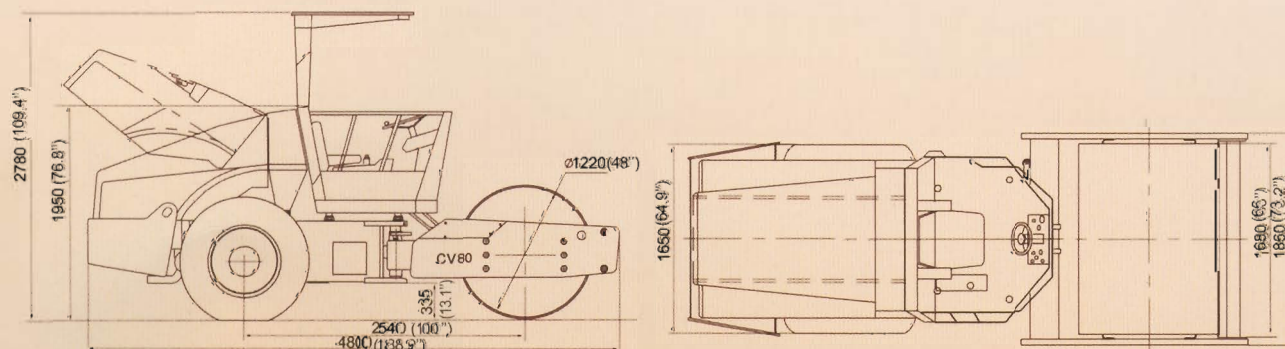


Cab:

ROPS Standard
CAB enclosure available

| SPECIFICATIONS | UNIT | SPECIFICATIONS | | |
|-------------------------------------|-------------|-----------------------|-----------------------|-----------------------|
| Type | | CV80S | CV80D | CV80PD |
| Operating weight | t/lb | 7.6/16,755 | 7.8/17,196 | 8.2/18,078 |
| Tractor module weight | t/lb | 3.98/8,774 | 3.98/8,774 | 3.98/8,774 |
| Drum module weight | t/lb | 3.62/7,981 | 3.82/8,421 | 4.22/9,303 |
| Tyre specification | | 16/70-24-10PR | | |
| Theoretical grade ability | % | 40 | 55 | 55 |
| Width of drum | mm/in | 1680/66.14 | 1680/66.14 | 1680/66.14 |
| Diameter of drum | mm/in | 1220/48.03 | 1220/48.03 | 1220/48.03 |
| Thickness of drum shell | mm/in | 22/0.87 | 22/0.87 | 22/0.87 |
| Static linear load | N/cm/lb/in | 211/120.57 | 223/127.42 | / |
| Amplitude: High/Low | mm/in | 1.70/0.067;0.80/0.031 | 1.70/0.067;0.80/0.031 | 1.70/0.067;0.90/0.035 |
| Frequency | Hz | 29/40 | 29/40 | 29/40 |
| Centrifugal force at high amplitude | kN/lb | 100/22,496 | 100/22,496 | 127/28,570 |
| Centrifugal force at low amplitude | kN/lb | 95/21,371 | 95/21,371 | 120/26,995 |
| Speed range | km/h/mph | 0~19/0~11.81 | 0~10/0~6.21 | 0~10/0~6.21 |
| Ground clearance | mm/in | 345/13.58 | 345/13.58 | 400/15.75 |
| Inner turning radius | mm/in | 2980/117.32 | 2980/117.32 | 2980/117.32 |
| Outer turning radius | mm/in | 4660/183.46 | 4660/183.54 | 4660/183.54 |
| Min. lateral overhang | mm/in | 82.5/3.25 | 82.5/3.25 | 82.5/3.25 |
| Engine model | | Cummins B3.9-C | | |
| Rated power | | 80/2400 KW/rpm | | 107/2400 Hp/rpm |
| Rater torque | | 325 N·m | | 240 Ft.Lb |
| Total displacement | | 3900 cm ³ | | 238 Cubic Inch |
| Specific fuel consumption | | 235 g/kW·h | | 175 g/HP.h |
| Fuel tank capacities | l/gal (U.S) | 170/44.9 | | |
| Hydraulic oil capacities | l/gal (U.S) | 170/44.9 | | |

DIMENSIONS



CV

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