MONTANA Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

mdtacel@mt.gov

Make: Caterpillar

Model: CB15

Equipment Type: Tandem Vibratory Roller

Contractor Modifications: none

Interstate Approval Conditions

Approval Type	**crossing only**
Speed:	**no restriction**
Weight:	**30,391 lb or less**
Traffic:	**approved with regular traffic**
Location Restrictions:	**no restriction**

Non-Interstate Approval Conditions

Approval Type	**crossing only**
Speed:	**no restriction**
Weight:	**30,391 lb or less**
Traffic:	**approved with regular traffic**
Location Restrictions:	**no restriction**

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge. Vibratory system must be turned off while on bridge. Approval is for only one roller crossing at a time, not two rollers in tandem.



Tandem Vibratory Rollers

CB15

Request A Price

Find Dealer

KEY SPECS

Standard - Operating Weight
28958 lb

Standard Compaction Width
84 in

Static Linear Load
186 lb/in

Product Specifications For CB15

Weights

Standard - Operating Weight	28958 lb
Static Linear Load	186 lb/in
Maximum Operating Weight	30391 lb

Operating Specifications

Standard Compaction Width	84 in
Drum Offset	6 in
Curb Clearance	28 in
Ground Clearance	11.5 in

Engine

Engine Model	Cat_C4.4
Gross Power	142 hp

Travel Speeds

High	8 mile/h
Low	4 mile/h

Dimensions

Overall Length	15.5 ft
Wheel Base	11.25 ft
Height - With ROPS/FOPS	10 ft

Overall Width	92 in

Vibratory System

Centrifugal Force per Drum - Maximum	31069 lb
Centrifugal Force per Drum - Minimum	12409 lb
Maximum Amplitude	0.041 in
Minimum Amplitude	0.01 in
Maximum Frequency	2520 VPM
Minimum Frequency	2520 VPM
Vibration Selection	Independent per drum, front only, rear only, both

Service Refill Capacities

Fuel Tank Capacity	66 gal (US)
Water Spray Tank Capacity	264 gal (US)

CB15 Standard Equipment

Operating Environment

180 degree seat positioning with sliding station
Adjustable armrests
Platform ROPS/FOPS
Propel lever with 4-button control
Steering wheel - fixed position, left side
Suspension seat - no heat
76 mm (3 in) high visibility seatbelt
Vandalism protection

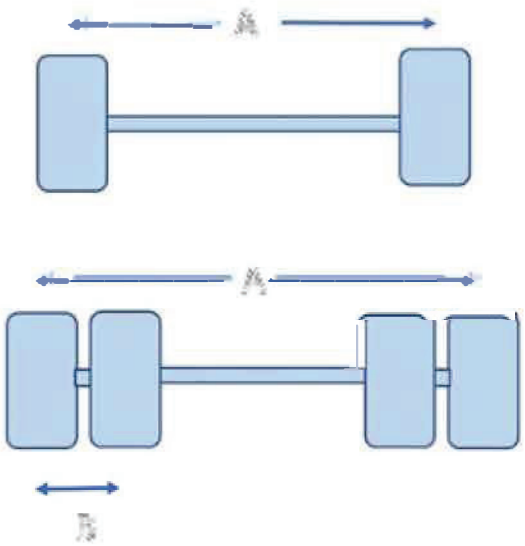
Technology

Product Link™ PLE743
Remote Flash
Remote Troubleshooting

If your company would lik to submit quipm nt to b consid r d fo inclusion in the ACEL, p ovide an applicatio to MDT at: midtacel@mt.gov
ACEL analysis is listed below:

- Equipment manufactu er's pro uct specifications
- D taile dim nsio s a d ata for equipm t on whe ls
  - Equipm nt Width (int nsions A and B)

See above.



Double Drum Width = 7 feet

  - Equipm nt L ngth (cent of front axl to c nt r of ear axl)
  - Numbe of axl s
  - Dista c between axl s (c nter of tir to center of tir)
  - Maximum G oss Equipment Weight

11.3 feet
2 axles
11.3 feet
30,391 lbs

- D taile dimensions a d ata for equipm t on tracks
  - Equipm nt Width (c nt r of track to c nter of t ack – if the is o ly o e line of tracks, note this in th measur ments
  - Equipm nt L ngth (ce ter of front track to ce ter of r ar t ack)
  - Numbe of t acks in ach track lin
  - Le gth of ach track
  - Maximum G oss Equipment Weight
- Informatio o any quipm nt modifications on you quipm nt (note that som modifications may predude i clusion onto th ACEL)
- Contracto s contact informatio for ACEL a alysis-r lat d co r spo enc or follow-up i formation