MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*DYNAPAC*
Model:	*CP2700*
Equipment Type:	*PNEUMATIC TIRE ROLLER*
Contractor Modifications:	*NONE*

Interstate Approval Conditions

Approval Type	*CROSSING ONLY*
Speed:	*NO RESTRICTION*
Weight:	*43,000 LB OR LESS*
Traffic:	*APPROVED WITH REGULAR TRAFFIC*
Location Restrictions:	*NO RESTRICTION*

Non-Interstate Approval Conditions

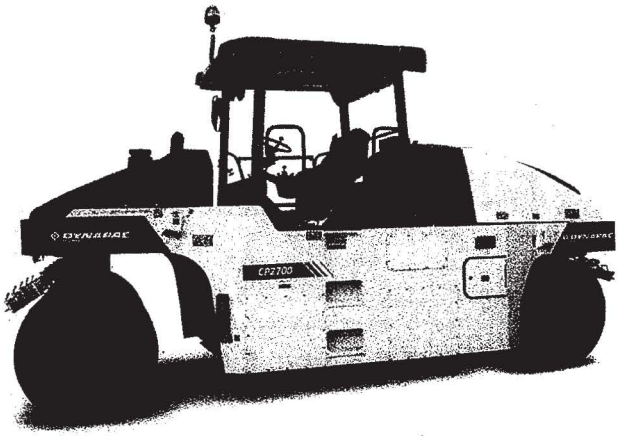
Approval Type	*CROSSING ONLY*
Speed:	*NO RESTRICTION*
Weight:	*43,000 LB OR LESS*
Traffic:	*APPROVED WITH REGULAR TRAFFIC*
Location Restrictions:	*NO RESTRICTION*

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge. Equipment must be empty while crossing.

DYNAPAC
FAYAT GROUP

CP2700
Pneumatic tire rollers



TECHNICAL DATA

MASSES

Mass with wet sand ballast	43,000 lbs

COMPACTION

Rolling width	91 in
Tire overlap	1.7 in
Wheel loads, without ballast	3,000 lbs
Wheel loads, with wet sand ballast	4,800 lbs
Wheel loads, with max. ballast	6,600 lbs
Tire pressure (min/max)	36 /123 psi
Tire type (smooth)	11.00 -20
Water spray system, type	Pressurized
Water spray system, tank capacity	110 gal
Water spray system, spray nozzle	one per tire
Ballast volume	106 cu. ft.

PROPULSION

Speed high	12.5 mph

ENGINE

Manufacturer/Model	Cummins QSF 3.8 (Tier 4F)
Rated power, SAE J1995	120 hp @ 2,200 rpm
Type	Water cooled turbo Diesel
Electrical system	24 V
Fuel tank capacity	55 gal

ENGINE

Manufacturer/Model	Cummins QSB 4.5 (Tier 3)
Rated power, SAE J1995	82 kW (110 hp) @ 2200 rpm
Type	Water cooled turbo Diesel

HYDRAULIC SYSTEM

Driving	Axial piston pump with variable displacement. Axial piston motors (2) with variable displacement.
Steering	Axial piston pump with variable displacement.
Service brake	2 multidisc brakes on rear wheels activated by pedal.
Parking/Emergency brake	Failsafe multidisc brakes in both gear boxes.

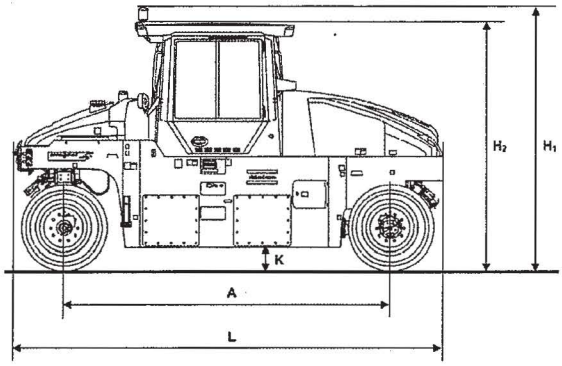
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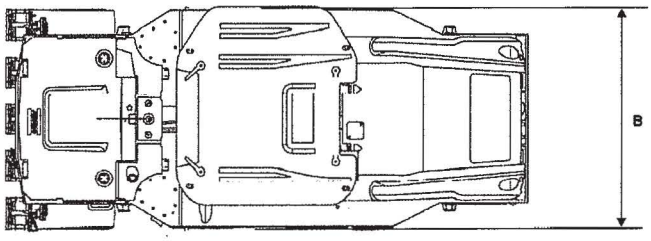
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DYNAPAC
FAYAT GROUP

CP2700

Pneumatic tire rollers





TECHNICAL DATA

DIMENSIONS

A. Wheelbase	169 in
B. Width	93 in
H1. Height, max.	132 in
H2. Height, transport	118 in
K. Ground clearance	9.8 in
L. Length	216 in
R. Turning radius, outside	356 in

STANDARD EQUIPMENT

- AWC, Battery switch, Back up alarm
- Back up camera, Cocoa mats
- Documentation (Manuals -one set)
- Drainage for water ballast, Emergency stop, Engine temperature display
- Fuel level display,Horn, Hour meter, Hydraulic checkpoints
- Hydraulic fluid temperature display
- Hydrostatic drive with 2 motors
- Interloc system, Key master and start
- Lifting and tiedown eyes
- Mirrors (traffic view)
- Multi-disc brakes for parking and dynamic service brake
- Parking brake, Rotating beacon
- Redundant brake system
- ROPS/FOPS (4 post with roof and 3" seat belt)
- Sliding and swiveling operator unit
- Steel ballast front (2,540 lbs) -CP2700 only
- Sprinkler and scraper system, Sprinkler pump (back up)
- Sprinkler timer, Tachometer display, Tilt steering wheel
- Vandal cover (Canopy or ROPS/ FOPS), Water level gauge
- Water tank covers (lockable), Working lights (front/rear)
- Warning – Air cleaner, Warning – Brake
- Warning – Clogged hydraulic oil filter
- Warning – Engine oil pressure, Warning – Engine temperature
- Warning – Hydraulic fluid temperature, Warning – Low charge
- Warning – Low fuel level
- Voltage meter display. INCLUDED IN COMFORT CAB: Air conditioning (ACC)
- Air filtering system, Fan -fresh air (3-speed), Heater, Interior light
- Radio & MP3 player, Rear view mirrors (external), Rear view mirror (internal)
- Safety glass (tinted), Seat belt 3", Seat -luxury for cab with suspension
- Side windows (openable), Wiper with washer (front/rear)

OPTIONAL EQUIPMENT

- Steel ballast front (8,820 lb)
- Steel ballast front + rear (17,640 lb)
- Air On the Run system
- Asphalt temperature meter
- Biodegradable hydraulic fluid
- Canopy or ROPS/FOPS or Cab
- Driving lights (RH or LH)
- Dyn@link, Dyn@link advanced
- Fire extinguisher, First aid box
- Heat covers for wheels
- Licence plate holder with light
- Mirrors (process view)
- Slow Moving Vehicle sign
- Tool set, Towing eyelets front & rear

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Pavement Maintenance Services

Equipment ID/Model

BearCat Tandem 20' Super Chipper

Detailed data

Vehicle width	10' - 20'
Vehicle length	27'
Number of axles	2
Distance between axles	13' 2- 1/2"
Track/wheel dimensions	385/165R x 22.5
Track/wheel gage spacing	78" Front / 102" Rear
GVW	43,400 lbs. with rock
Hauling capacity	17,600 lbs.
Max operating speed	7 MPH
Potential dynamic or vibratory effect?	None
Equipment modifications?	None
Contractor's contact information	Jason Simmons (406) 261-5195