MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Wirtgen*
Model:	*W220 Fi*
Equipment Type:	*Mill Truck*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*96,800 lb or less*
Traffic:	*Approved with regular traffic*
Location Restrictions:	*No Restriction*

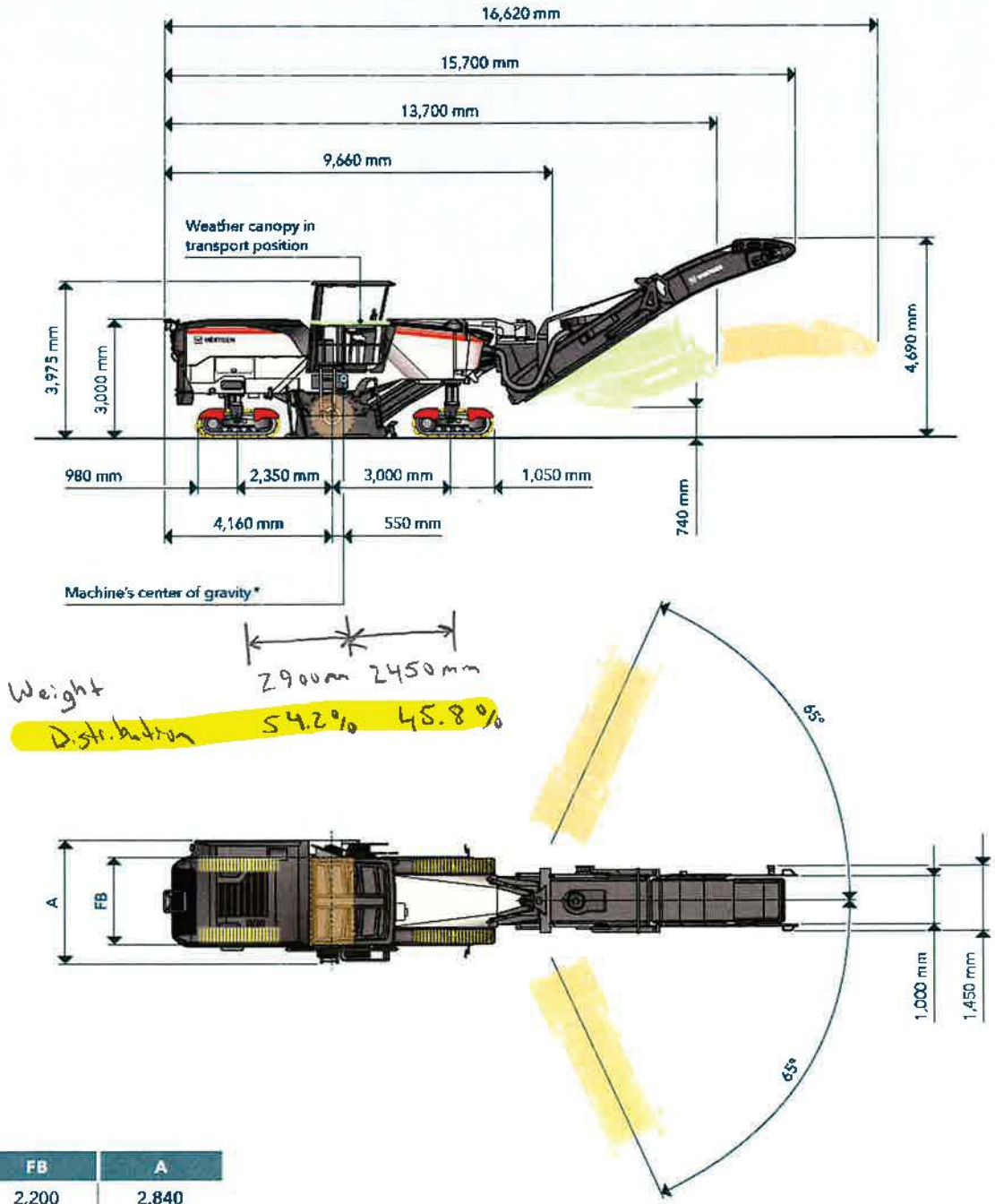
Non-Interstate Approval Conditions

Approval Type	*DENIED*
Speed:	*DENIED*
Weight:	*DENIED*
Traffic:	*DENIED*
Location Restrictions:	*DENIED*

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.

SIDE VIEW / TOP VIEW W 220 Fi



FB	A
2,200	2,840
2,500	3,140
3,500	4,000
3,800	4,300

*Based on operating weight, CE with conveyor folded out

Dwayne Rehbein

From: Jim McNulty APRS <jmcnulty@aprsgroup.net>
Sent: Wednesday, March 1, 2023 7:24 AM
To: Dwayne Rehbein
Subject: RE: Check this out – Approved Construction Equipment List (ACEL) | Montana Department of Transportation (MDT)

Dwayne,

After checking with our shop and lowboy guys, our weight for our current configuration runs at about 85,000 LBS. After talking with our superintendent he would prefer to bring out our W150 mill 5' or 6' for the structure work. We could potentially use that mill on the mainline as well.

Let me know if you need anything else from me

Mill with Fuel 85,000
Water 9,150
94,150

Jim McNulty, Milling Estimator
Cell: 763 276 0347
Office: 763 515 2599
Fax: 763 241 9196
jmcnulty@aprsgroup.net
www.aprsgroup.net

Allstates Pavement Recycling & Stabilization
14280 James Road
Rogers, MN 55374

From: Dwayne Rehbein <dkrehbein@riversidecontracting.com>
Sent: Monday, February 27, 2023 11:57 AM
To: Jim McNulty APRS <jmcnulty@aprsgroup.net>
Subject: RE: Check this out – Approved Construction Equipment List (ACEL) | Montana Department of Transportation (MDT)

Jim,

We are going to have to submit your machine to the EPM for analysis by the Bridge Bureau. According to the specifications you provided, the maximum operating weight is 43.9 metric tons, or 96,800 pounds. This seems high. Do you have a weight on the machine in its current configuration?

Thank you,

Dwayne Rehbein

Riverside Contracting, Inc.
5571 Alloy South I Missoula, MT 59808
(P) 406.721.9267 I (F) 406.721.9394

TECHNICAL SPECIFICATIONS W 220 Fi

Base Machine Weight	
Empty weight of machine without fluids	34,400 kg
Operating weight, CE[2]	37,100 kg
Maximum operating weight (full tanks, full range of equipment) in FB2200	43,900 kg
Weight of Tank Contents	
Water	4,150 kg
Fuel (0,83 kg/l)	**1,080 kg**
Additional Weight	
Operator and Tools	
> Machine operator	**75 kg**
> 5 pick containers	125 kg
> Vehicle tool kit	**30 kg**
Optional Milling Drum Units Instead of Standard	
> Milling drum housing MCS *BASIC* FB2200	**650 kg**
> Milling drum housing **MCS *BASIC*** FB2500	1,650 kg
> Milling drum housing MCS *EXTEND* FB3500	**3,500 kg**
> Milling drum housing **MCS *EXTEND*** FB3800	4,500 kg
Optional Milling Drums Instead of Standard	
> Milling drum FB2200 **HT22 *PLUS*** LA18 with 156 picks	-210 kg
Optional MCS Milling Drums Instead of Standard	
> Milling drum **MCS *BASIC*** FB2200 **HT22 *PLUS*** LA15 with 180 picks	100 kg
> Milling drum MCS *BASIC* FB2200 HT22 *PLUS* LA18 with 156 picks	**-110 kg**
> Milling drum **MCS *BASIC*** FB2200 **HT22** LA15 with 18 standard picks and 162 PCD tools	150 kg
> Milling drum MCS *BASIC* FB2500 HT22 *PLUS* LA15 with 196 picks	**390 kg**
> Milling drum **MCS *EXTEND*** FB3500 **HT22 *PLUS*** LA15, multi-part, with 294 picks	2,020 kg
> Milling drum MCS *EXTEND* FB3800 HT22 *PLUS* LA15, multi-part, with 314 picks	**2,450 kg**
Optional Additional Equipment	
> Operator's platform with functional stand-up seat, large storage compartment	**80 kg**
> Operator's platform with functional stand-up seat, large storage compartment, and weather protection canopy	600 kg
> Operator's platform with a high-quality comfort cabin	**850 kg**
> Two additional weights with a total weight of 1,500 kg	1,500 kg
> Large storage compartment at the rear of the machine for 72 pick containers	**200 kg**
> Extension of **MCS *BASIC*** with a hydraulically opening side panel for FB2200 / FB2500	50 kg
> VCS extraction system	**140 kg**
> Extension of **LEVEL PRO *ACTIVE*** with leveling booms and one Sonic Ski sensor	80 kg
> Extension of LEVEL PRO *ACTIVE* with two ultrasonic sensors for multiplex scanning	**40 kg**
> Extension of **LEVEL PRO *ACTIVE*** with four ultrasonic sensors for multiplex scanning	80 kg

[1] The maximum milling depth may deviate from the value indicated due to tolerances and wear.
[2] Machine weight, half-full tanks, vehicle tool kits, machine operator, excluding optional equipment.