MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Wirtgen*
Model:	*W200i*
Equipment Type:	*Cold Milling Machine*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*75,441 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 posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

Technical specification

W200i

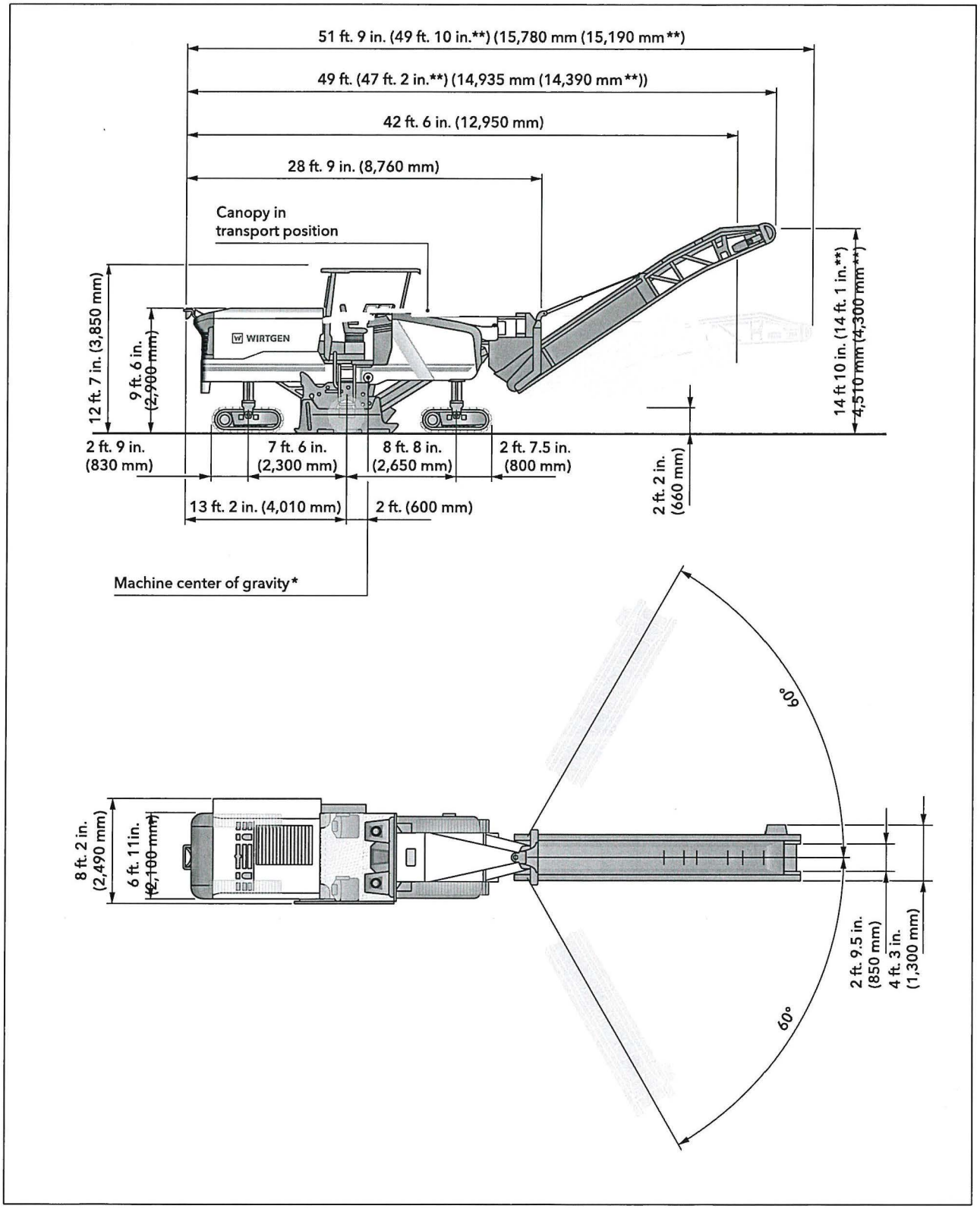
Milling drum	
Milling width standard	6 ft. 11 in. (2,100 mm)
Milling width *1	0–11.8 in. (300 mm)
Drum diameter with tools	2 ft. 11 in. (900 mm)
Engine	
Manufacturer	CUMMINS
Type	QSX15
Cooling	water
Number of cylinders	6
Rated power at 2,100 min^{-1}	447 kW/600 HP/608 PS
Maximum power at 1,900 min^{-1}	455 kW/610 HP/619 PS
Displacement	15 l
Fuel consumption at rated power	30.6 US gph (116 l/h)
Fuel consumption in field mix	12 US gph 46 l/h
Emission standards	EU Stage 4/US Tier 4f
Electrical system	
Electrical power supply	24 V
Tank capacities	
Fuel tank	219 gallons (830 l)
AdBlue®/DEF tank	18.5 gallons (70 l)
Hydraulic oil tank	106 gallons (400 l)
Water tank	793 gallons (3,000 l)
Driving properties	
Max. travel and milling speed	0–273 ft./min (3.1 mph) (0–85 m/min (5 km/h))
Track units	
Track units, front and rear (L x W x H)	5 ft. 4 in. x 10 in. x 1 ft 11 in. (1,630 x 260 x 590 mm)
Loading of the milled material	
Belt width of primary conveyor	2 ft. 7 in. (800 mm)
Belt width of discharge conveyor	2 ft. 9 in. (850 mm)
Theoretical capacity of discharge conveyor	13,243 ft^3/h (375 m^3/h)

*1 = The maximum milling depth may deviate from the value indicated due to tolerances and wear.

Weight of base machine	
Empty weight of machine excluding tank contents	61,288 lbs. (27,800 kg)
Operating weight, CE*[2]	65,697 lbs. (29,800 kg)
Maximum operating weight (full tanks, full range of equipment) in FB2100	75,441 lbs. (34,220 kg)
Weights of tank contents	
Water tank filling	6,613 lbs. (3,000 kg)
Diesel tank filling (0.83 kg/l)	1,521 lbs. (690 kg)
AdBlue®/DEF tank filling (1.1 kg/l)	170 lbs. (77 kg)
Additional add-on weights	
Driver and tools	
Driver	165 lbs. (75 kg)
5 cutting tool containers	275 lbs. (125 kg)
On-board tools	66 lbs. (30 kg)
Optional milling drums in lieu of standard	
Milling drum FB2100 HT22 LA18 with 169 picks	-716 lbs. (-325 kg)
Optional additional equipment	
Operator's platform including comfortable seats in lieu of standard	551 lbs. (250 kg)
Canopy in lieu of standard	617 lbs. (280 kg)
Cabin in lieu of standard	1,257 lbs. (570 kg)
VCS – Vacuum Cutting System	485 lbs. (220 kg)
Supplementary weight	2,425 lbs. (1,100 kg)

*[2] = Weight of machine, half-full water tank, half-full fuel tank, driver (75 kg), on-board tools, excluding optional equipment features.

Dimensions



Dimensions in American standard and mm
* = based on operating weight, CE with conveyor folded out
** = based on machine with short conveyor