MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Wirtgen*
Model:	*W 150 CF*
Equipment Type:	*Milling Machine*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*54,785 lb or less*
Traffic:	*Approved with Regular Traffic*
Location Restrictions:	*No Restriction*

Non-Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*54,785 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.

Technical specification

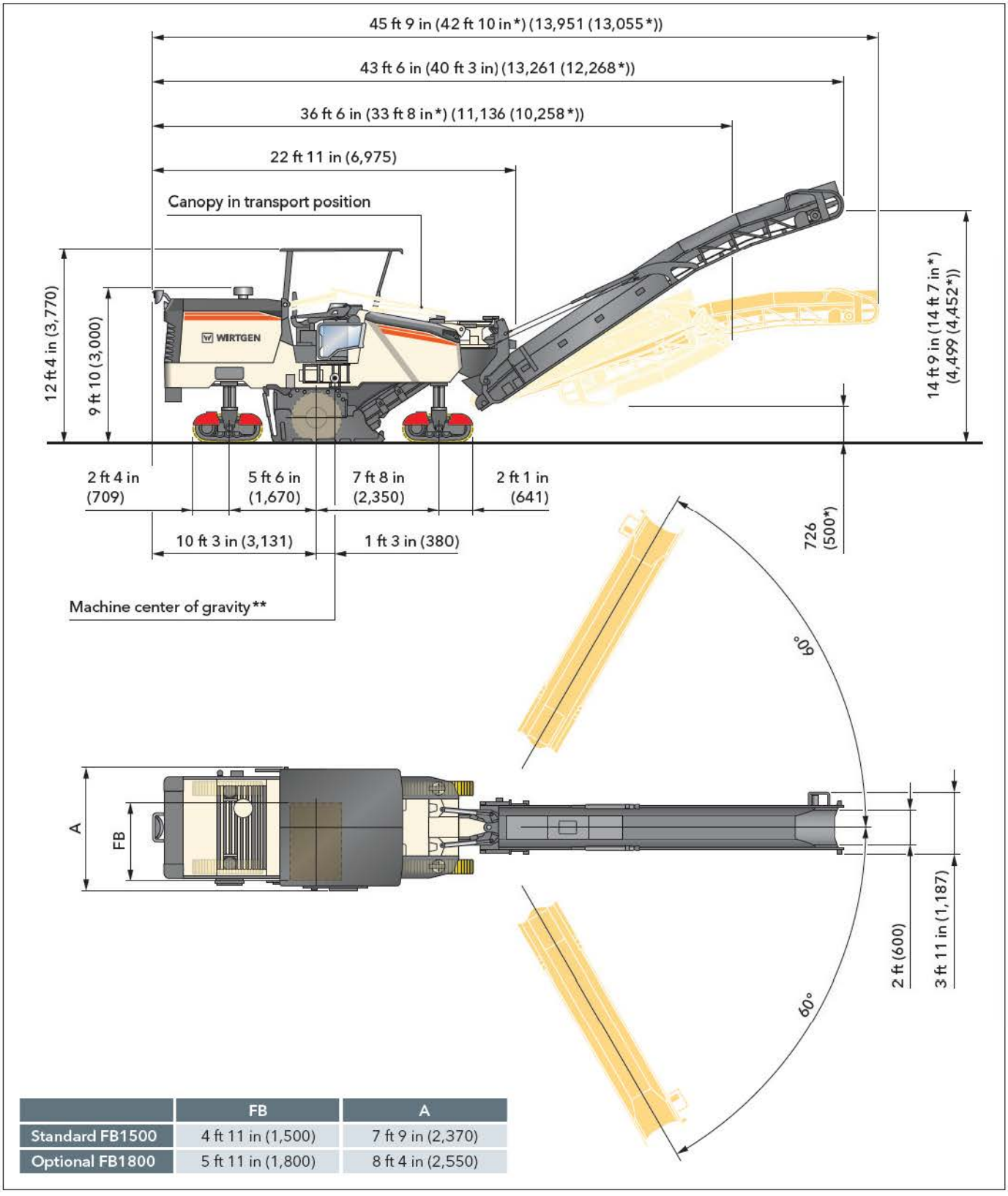
	W 150 CF	W 150 CFi
Milling drum		
Milling width standard	4 ft 11 in (1,500 mm)	
Milling width optional	5 ft 11 in (1,800 mm)	
Milling depth*[1]	0 to 1 ft 1 in (0 to 330 mm)	
Drum diameter with tools	3 ft 3 in (980 mm)	
Engine		
Manufacturer	CUMMINS	CUMMINS
Type	QSL 9	QSL 9
Cooling	Water	Water
Number of cylinders	6	6
Rated power at 2,100 rpm	261 kW/350 HP/355 PS	283 kW/380 HP/385 PS
Maximum power at 1,900 rpm	276 kW/370 HP/375 PS	298 kW/400 HP/405 PS
Operating power at 1,600 rpm	250 kW/335 HP/340 PS	270 kW/362 HP/367 PS
Displacement	2.4 gal (8.9 l)	2.4 gal (8.9 l)
Fuel consumption at rated power	19 gph (72 l/h)	19.8 gph (75 l/h)
Fuel consumption in field mix	7.7 gph (29 l/h)	7.9 gph (30 l/h)
Exhaust emission standards	EU Stage IIIa/US Tier 3	EU Stage IV/US Tier 4f
Electrical system		
Voltage supply	24 V	
Tank capacities		
Fuel tank	214 gal (810 l)	
Adblue®/DEF tank	-	13.2 gal (50 l)
Hydraulic fluid tank	31.7 gal (120 l)	
Water tank	5,944 gal (2,250 l)	
Driving performance		
Max. milling speed	0 to 131 ft/min (0 to 1.5 mph) (0 to 40 m/min (0 to 2.4 km/h))	0 to 131 ft/min (0 to 1.5 mph) (0 to 40 m/min (0 to 2.4 km/h))
Max. travel speed	0 to 410 ft/min (0 to 4.7 mph) (0 to 125 m/min (0 to 7.5 km/h))	0 to 410 ft/min (0 to 4.7 mph) (0 to 125 m/min (0 to 7.5 km/h))
Track units		
Track units, front and rear (L x W x H)	4 ft 4 in x 10 in x 1 ft 10 in (1,330 x 260 x 550 mm)	
Loading of the milled material		
Belt width of primary conveyor	2 ft 2 in (650 mm)	
Belt width of discharge conveyor	2 ft (600 mm)	
Theoretical capacity of discharge conveyor	305 yd^3/h (233 m^3/h)	

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

	W 150 CF	W 150 CFi
Weight of basic machine		
Empty weight of machine excluding tank contents	41,888 lbs (19,000 kg)	42,549 lbs (19,300 kg)
Operating weight, CE*[2]	45,305 lbs (20,550 kg)	45,966 lbs (20,850 kg)
Maximum operating weight (full tanks, full range of equipment)	54,785 lbs (24,850 kg)	55,556 lbs (25,200 kg)
Weights of tank contents		
Filling of water tank	4,960 lbs (2,250 kg)	4,960 lbs (2,250 kg)
Filling of fuel tank (6.9 lbs/gal (0,83 kg/l))	1,477 lbs (670 kg)	1,477 lbs (670 kg)
Filling of AdBlue®/DEF tank (9.2 lbs/gal (1,1 kg/l))	-	121 lbs (55 kg)
Additional add-on weights		
Operator and tools		
Operator	165 lbs (75 kg)	
5 pick containers	276 lbs (125 kg)	
On-board tools	66 lbs (30 kg)	
Optional milling drum units in lieu of standard		
Milling drum housing FB1500 (4 ft 11 in) FCS-L	595 lbs (270 kg)	
Milling drum housing FB1500 (4 ft 11 in) FCS	838 lbs (380 kg)	
Milling drum housing FB1800 (5 ft 11 in) FCS-L	1,764 lbs (800 kg)	
Optional milling drums in lieu of standard		
FCS milling drum FB1500 (4 ft 11 in) HT22 LA15 with 136 picks	44 lbs (20 kg)	
FCS milling drum FB1500 (4 ft 11 in) HT22 LA18 with 120 picks	-154 lbs (-70 kg)	
FCS milling drum FB1500 (4 ft 11 in) HT22 LA8 with 210 picks	838 lbs (380 kg)	
FCS milling drum FB1500 (4 ft 11 in) HT5 LA6X2 with 512 picks	992 lbs (450 kg)	
FCS milling drum FB1500 (4 ft 11 in) HT22 LA25 with 102 picks	-882 lbs (-400 kg)	
FCS milling drum FB1800 (5 ft 11 in) HT22 LA18 with 135 picks	419 lbs (190 kg)	
Optional additional equipment		
Canopy in lieu of standard	992 lbs (450 kg)	
Short conveyor in hydraulic folding design in lieu of standard	-99 lbs (-45 kg)	
VCS extraction system	276 lbs (125 kg)	
Leveling arm	551 lbs (250 kg)	
Supplementary weight at the rear	1,984 lbs (900 kg)	

*[2] = Weight of machine, half-full water tank, half-full fuel tank, operator, on-board tools, excluding optional equipment features

Dimensions



	FB	A
Standard FB1500	4 ft 11 in (1,500)	7 ft 9 in (2,370)
Optional FB1800	5 ft 11 in (1,800)	8 ft 4 in (2,550)

Dimensions in American standard and mm
* = Short discharge conveyor in folding design
** = Based on operating weight, CE with conveyor folded out