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BC1000XL Specs

General Dimensions and Weights		
Length - Feed Table Up, Tongue In	150"	381 cm
Length - Table Down, Tongue Extended	198"	502.9 cm
Width	66.5"	168.9 cm
Height	101"	256.5 cm
Weight - Engine Option One	4680 lbs	2122.8 kg
Weight - Engine Option Two	4860 lbs	2204.5 kg
Tongue Weight - Engine Option One	480 lbs	217.7 kg
Tongue Weight - Engine Option Two	560 lbs	254 kg
Horsepower Options	49 and 85 hp (36.54 and 63.38 kW)	

Engine Option One		
Make and Model	CAT C2.2L Tier 4 Interim	
Number of Cylinders	4	
Gross Horsepower (Maximum)	49 hp	36.5 kw
Torque (Max)	103 ft-lb	139.7 Nm
Fuel Tank Capacity	25 gal	94.6 L
Max Fuel Consumption	5.1 gph	19.3 lph
Fuel Type	Diesel	
Air Cleaner	Two stage dry with safety element	

Oil Filter	Spin-on	
Recommended Oil	API CH4	
Oil Volume with Filter	8.5 qt	8 L
Maximum Angle of Continuous Operation	30 deg	
Cooling Medium	Liquid	
Coolant Capacity (Engine and Radiator)	2.3 gal	8.5 L
Alternator	60	
Fan	20 " (50.8 cm) Suction	
Clutch Type	Clutchless PTO	
Clutch Drive Engagement	Belt tensioner	

Engine Option Two		
Make and Model	Cummins B3.3 Turbo Tier 3	
Number of Cylinders	4	
Gross Horsepower (Maximum)	85 hp	63.4 kw
Torque (Max)	224 ft-lb	303.7 Nm
Fuel Tank Capacity	25 gal	94.6 L
Max Fuel Consumption	5.1 gph	19.3 lph
Fuel Type	Diesel	
Air Cleaner	Two stage dry with safety element	
Oil Filter	Spin-on	
Recommended Oil	API CH4	
Oil Volume with Filter	8.5 qt	8 L
Maximum Angle of Continuous Operation	30 deg	
Coolant Capacity (Engine and Radiator)	2.3 gal	8.5 L

Cooling Medium	Liquid	
Alternator	60 amp	
Fan	20" (50.8 cm) Suction	
Clutch Type	Clutchless PTO	
Clutch Drive Engagement	Belt tensioner	

Feed System		
Feed Roller Orientation	Horizontal	
Number of Feed Rollers	1	
Feed Roller Clamp Load	400 lbs	181.4 kg
Feed Roller Clamp Type	Feed roller weight only	
Feed Roller Minimum Distance to Drum	1"	2.5 cm
Feed Roller Dimension	20 " (50.8 cm) diameter x 17" (43.2 cm) wide	
Number of Knives	12	
Weight of Feed Roller	400 lbs	181.4 kg
Number of Feed Roller Motors	1	
Motor Displacement	28.3 cu in (463.75 cu cm)	
Motor Manufacturer	White	
Feed Speed	105 ft/min	
Infeed Table Width	52"	132.1 cm
Infeed Table Length	32"	81.3 cm
Infeed Hopper Height	12"	30.5 cm
Infeed Throat Capacity	12 " (30.48 cm)	
Pinch Point - Distance to End of Feed Table	66.5"	168.9 cm
Distance from Feed Table to Ground	26"	66 cm

Infeed Table Material Thickness	.2"	.5 cm
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Safety System		
Bottom Feed Stop Bar	Standard	
Bottom Feed Stop Bar Diameter	2"	5.1 cm
Bottom Feed Stop Bar Material Thickness	11 GA	
Actuation Force (BFSB)	34 lbs	15.4 kg
Normal Sensitivity	22 deg	
Reduced Sensitivity	12 deg	
Reset Method	Dual green hold-to-run buttons	
Four Position Feed Control Bar	Standard	
Diameter	2"	5.1 cm
Material Thickness	.1"	.3 cm
Positions	Four positions: Emergency Stop, Forward, Neutral, and Reverse	
Actuation Force	34 lbs	15.4 kg
Green Hold to Run Button	Standard	

Drum/Disc Cutting System		
Material Capacity	12"	30.5 cm
Width	17"	43.2 cm
Thickness	.4"	1 cm
Diameter	20"	50.8 cm
Speed	2000 rpm	
Weight With Shaft	460 lbs	208.7 kg

Safety Lock - Number of Positions	2	
Number of Knives	2	
Knife Thickness	.6"	1.6 cm
Material	A8 chipper steel	
Useable Edges	2	
Knife Size	0.625 " x 4.5 " 9 " (1.6 cm x 11.4 cm x 22.9 cm)	
Number of Bolts/Knife	4	
Replaceable Threaded Knife Block	Yes	
Number of Paddles	5	
Fixture Method	Weld on	
Air Flow	2900 cfm	
Bedknife Size	3.5 " x 17.25 " (8.9 cm x 43.8 cm)	
Bedknife Thickness	1"	2.5 cm
Bedknife Material	1018	
Bedknife - Number of Useable Edges	4	

Cutter Drive Components - Engine Option One

Number of Bearings	2	
Bore	2.4"	6.2 cm
Type	Spherical rollers	
Manufacturer	Linkbelt	
Dynamic Capacity	31400 lbs	14242.8 kg
Static Capacity	53500 lbs	24267.2 kg
Belt Idler/Tensioner	Yes	
Belt Type	5V	

Discharge System		
Chute Height	101"	256.5 cm
Bottom Thickness	.1"	.2 cm
Top Thickness	.1"	0.3 cm
Side Wall Thickness	.1"	0.3 cm
Deflector Thickness	.1"	0.3 cm
Chute Rotation Angle	270 deg	
Rotation Type	Manual dual handles with pin lock	
Rotational Lock	Yes	

Hydraulic System		
Tank capacity	7 gal	26.5 L
Recommended Oil Type	Vermeer VMF	
System Type	Open center	
Filtration Method	10 micron return; 100 micron suction	
Pump Flow at Maximum RPM	2.7 gpm	10.2 L/min
System relief pressure	2500 psi	172.4 bar
Flow Control	No	
Directional Control	Yes	
Oil Cooler	No	

Electrical System		
System Voltage	12 volt	
Battery	Group 24; 580 CCA (For Engine Option Two) Group 31; 660 CCA (For Engine Option Two)	
Standard Gauges	Fuel, hour	
Deluxe Gauges	Fuel, voltage, water temperature, oil pressure, tachometer	

Switches	Lower feed stop bar sensitivity, toggle	
Controller	Vermeer ACS	
Display	LED	
Shutdown System	High temperature, low pressure	
Radio Remote Control	No	

Chassis		
Frame Description	7 " (17.8 cm) Z channel; .25 " (0.6 cm) thickness	
Toolbox Description	Standard tray - inside engine bay	
Tongue Description	2.5 " x 4.5 " x 0.25 " (6.4 cm x 11.4 cm x 0.6 cm)	
Tongue Extension	Extendable 24 " (61 cm) at 12 " (30.5 cm) increments	
Hitch Type	Pintle	
Fender Description	Bolt on	
Type - Option One	Rubber torsional	
Manufacturer - Option One	Dexter	
Capacity - Option One	5200 lbs (2358.7 kg)	
Tires - Option One	ST225/75/R15 Load Range D (Engine Option One only)	
Wheels - Option One	15 " (38.1 cm)	
Type - Option Two	Rubber torsional	
Manufacturer - Option Two	Dexter	
Capacity - Option Two	5200 lbs (2358.7 kg)	
Tires - Option Two	ST235/80/R16 Load Range E	
Wheels - Option Two	16 " (40.6 cm)	
Type - Option Three	Rubber torsional	
Manufacturer - Option Three	Dexter	
Capacity - Option Three	7,000 lbs (3,175.15 kg)	

Tires - Option Three	ST235/80/R16 Load Range E	
Wheels - Option Three	16 " (40.6 cm)	
Brake Type	Electric with breakaway switch	
Trailer Light Type	LED	

Other Options		
Special Paint	Optional	
Extended Warranty	Optional	
Preventive Maintenance	Optional	

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