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CT718 Specs

General Dimensions and Weights		
Maximum Width (Operation)	27.7'	8.4 m
Maximum Length (Operation)	14'	4.3 m
Maximum Height (Operations)	19'	5.8 m
Maximum Width (Transport)	27.7'	8.4 m
Maximum Length (Transport)	9.5"	24.1 cm
Maximum Height (Transport)	13.5'	4.1 m
Weight	44000 lbs	19958.1 kg
Capacity	5,000 tons/hr (4530 metric tons/hr)	

Engine		
Make and Model	Caterpillar C15 Tier 3	
Number of Cylinders	6	
Gross Horsepower (Maximum)	540 hp	402.7 kw
Torque (Maximum)	1817 ft-lb	2463.5 Nm
Fuel Tank Capacity	155 gal	586.7 L
Max Fuel Consumption	29 gph	109.8 lph
Fuel Type	Diesel	
Air Cleaner	Dry-type, dual element with service indicator	
Oil Filter	Spin-on Caterpillar advanced efficiency engine oil filter	
Recommended Oil	Caterpillar DEO-ULS (Diesel Engine Oil-Ultralow Sulfur) multigrade SAE 15W-40	

Oil Volume with Filter	43.9 qt	41.5 L
Maximum Angle of Continuous Operation	30 deg	
Cooling Medium	Caterpillar Extended Life Coolant (ELC) or a commercial extended life coolant that meets the Caterpillar EC-1 specification	
Coolant Capacity (Engine and Radiator)	18 gal	68.1 L
Air to Boil Temperature	117 deg	
Alternator	145 Amp	
Fan	Flexxaire 40" (101.6 cm) diameter, auto reversing	
Clutch Type	PT Tech HPTO14FX, microprocessor controlled, wet hydraulic clutch	
Clutch Drive Engagement	Microprocessor based clutch controller uses a series of pulsed signals to engage drum	

Hydraulic System		
Tank capacity	61 gal	230.9 L
Recommended Hydraulic Fluid	ISO 68 (or Vermeer equivalent)	
Filtration Method	Return filter and suction strainer	
Clutch Hydraulic Fluid Capacity	15 gal	56.8 L
Recommended Clutch Hydraulic Fluid	Mobile 424 (or Vermeer equivalent)	

Electrical System		
System Voltage	12V, with three heavy-duty batteries that have a total of 2850 cca	
System Protection	Primary disconnect and fusible links	

Frame		
Mainframe	Constructed of 8" x 6" x .4" (20.3 cm x 15.2 cm x 1 cm) and 6" x 6" x .25" (15.2 cm x 15.2 cm x .6 cm) steel tube with continuous welding	

Operating Height Adjustment		
Operating Height Adjustment	The machine's operating height is adjusted on each front wheel with independently operated hydraulic cylinders and on the rear wheels with a pair of jointly operated hydraulic cylinders from 0 " to 18 " (0 to 45.7 cm) above ground.	

Ground Drive		
Ground Drive Type	Standard 4-wheel drive system	
Tire size	48L x 32.00-10, twelve ply floatation deep-tread traction tires	

Processing Tunnel		
Windrow Height	7'	2.1 m
Windrow Width	18'	5.5 m
Tunnel Lining	Fully lined 0.25 " (0.6 cm) steel plate	
Rubber Skirting Curtains (thickness)	0.4"	1 cm

Drum		
Drum Cylinder	0.75 " (1.9 cm) thick, 18 ' (5.5 m) in length and 16 " (40.6 cm) in diameter	
Drum Diameter (including flails)	44"	111.8 cm
Drum Shaft Diameter	6"	15.2 cm
Double Roller Main Drum Bearings	6"	15.2 cm

Number of Flails	102	
Flail Dimensions	.75 " x 4 " x 11.625 " (1.9 cm x 10.2 cm x 29.5 cm)	

Cab		
Width	64"	162.6 cm
Retraction	13"	33 cm

Control Station		
Display Type	LCD and LED indicator lights	
Gauges	Murphy Powerview with monitors - engine RPM, coolant temperature, oil pressure, volts, engine hours, fuel level, engine load and engine fault codes	
Controls	Ignition switch, throttle control, drum engagement, fan reverse, frame height adjustment, work lights, drum speed, operator presence seat switch, 12-volt accessory outlet, auto ground speed control, dome light, signal horn and dual joy sticks	
Load Controller	Designed to respond to changes in drum speed, slowing the machine's forward rate of travel if it encounters loads greater than the set point, without input from the operator	

Optional Equipment		
Two-Wheel Drive System	Maximum speed of 2.5 mph (4 k/hr)	