

Carlton Model 1712 Specifications

General:

Weight:	5360 Pounds
Length:	186 inches
Height:	93 inches
Tires:	215/75R17.5 Ld Rng H 4805 Pd @ 125PSI
Axle:	Dexter Torflex 8,000 Pound Cap
Brakes:	Electric with Breakaway Switch
Hitch:	Five Inch Height Adjustable Pintle
Fuel Capacity:	24 Gallons
Battery:	29HVD 650 CCA
Jack Stand:	7000 # Cap Screw Type Swing Up

Engine:

Manufacturer:	Kubota Turbo Charged Diesel V3600T
Number of Cylinders:	Four
Bore:	3.86 Inches (98 mm)
Stroke:	4.33 Inches (110 mm)
Displacement:	202.53 Cubic Inches (3.3L)
Maximum RPM:	2800 RPM
Horsepower:	84 HP
Torque:	205 Ft Lbs
Cooling Medium:	Liquid Water/Antifreeze Mixture
Air Cleaner:	Two Stage Dry Type
Oil Filter:	Full Flow Spin On
Oil Capacity:	14 Quarts
Oil Type:	SAE 10W40 CD Grade or Higher
Electrical:	12 Volt
Gauges:	Oil Pres, Water Temp, Amp, Digital Tach
Clutch:	Stein

Bearings:

Disk Bearings:	2 7/16 inches Tapered Roller
Feed Roller Bearings:	2 inches Tapered Roller
Disk Shaft:	3 1/2 inches
Feed Roller Shaft:	2 inches

Chipper Disk:

Wheel Diameter:	37 1/2 inches
Wheel Thickness:	1.5 inches
Disk Balance:	Precision High Speed Balanced
Wheel Speed:	1180 RPM
Number of Knives:	4
Knife Dimensions:	7 1/4 x 4 x 1/2" and 6 3/32 x 4 x 1/2"
Anvil:	4 1/2" x 11" x 1/2" AR400
Chip Throwers:	Two 3/8" x 4" x 4" x 11" long

Cutting Dimensions:

Throat Opening:	12" x 17"
Infeed Hopper Opening:	29" x 48"

Hydraulic System:

Hyd Pump Displcmnt:	.8 Cu in
Hyd Pump Drv Systm:	Direct Drive off Engine Mount
Flow:	8.8 GPM Total
System Relief:	2500 PSI
Oil Tank Capacity:	9 Gallons
Oil Type:	AW32
Valve:	Energy
Hose:	16,000 PSI Burst - Exceeds SAE 100R2
Oil Filter:	10 Micron In Tank Return

Drive System:

Engine Sheave:	4/5V8.5
Jackshaft Sheave:	4/5V14.0
Drive Belt:	4/5V950
Cutter Head Shaft:	3 1/2 inches

Feed System:

Feed Motors:	Two 32 Cubic Inch Displacement
Flow:	4.4 GPM to Each Motor Independently
Hydraulic Drive:	Live – Driven off engine
Autofeed:	Digital, Fully Adjustable
Feed Rate:	100 Feet Per Minute
Feed Rollers:	Two 10 1/2" x 17"
Springs:	19" Tight Wound Powder Coated
Slide Bearings:	Four 1" Hardened
Lift Cylinder:	2 x 12 with 1" attachments
Discharge:	Adjustable Swivel

Frame:

Main Trailer Tongue:	3" x 4" with 1/4" wall
Main Trailer Frame:	2" x 4" with 1/4" wall
Telescoping Tongue:	N/A
Engine Channel Mnts:	4" Channel with 5/16" web
Infeed Chute:	10ga with 2" x 2" x 1/8" tube frame
Folding Infeed Tray:	10ga with 4" x 1 1/2" x 3/16" bracing
Folding Tray Lock:	3/4" Spring Loaded Pin
Discharge Chute:	10 gauge
Discharge Lock:	3/4" Spring Loaded Pin
Fuel Tank:	Molded Plastic
Hydraulic Tank:	Molded Plastic
Battery Box:	Marine Grade
Fenders:	3/16" checker plate
Feeder Bar:	1 1/2" OD x 1/8" wall - removable
Radiator Guards:	N/A
Light Brackets:	3/16" with hidden wiring
Axle Mounts:	
Hitch Plate:	3/4" Plate adjustable 5" Up/Down