

Carlton Apache 2518 Specifications

General:

Weight: 9300 Pounds
Length: 211 inches
Height: 100 inches
Tires: 245/70R17.5 Ld Rng J 6005 # @125 PSI
Axle: Dexter Torflex 10,000 Pound Cap
Brakes: Electric with Breakaway Switch
Hitch: Five Inch Height Adjustable Pintle
Fuel Capacity: 35 Gallons
100R2
Battery: 29HVD 650 CCA
Jack Stand: 10000 # Cap Screw Type Swing Up

Engine:

Manufacturer: John Deere
Number of Cylinders: Four
Bore: 4.19 Inches (106 mm)
Stroke: 5.0 Inches (127 mm)
Displacement: 276 Cubic Inches (4.5L)
Maximum RPM: 2400 RPM
Horsepower: 140HP
Torque: 367 Ft Lbs (498 NM)
Cooling Medium: Liquid Water/Antifreeze Mixture
Air Cleaner: Two Stage Dry Type
Oil Filter: Full Flow Spin On
Oil Capacity: 13 Quarts
Oil Type: John Deere
Electrical: 12 Volt
Gauges: Powerview
Clutch: Twin Disk 11 1/2" Over Center

Bearings:

Drum Bearings: 2 15/16 inches Tapered Roller
Feed Roller Bearings: 2 inches Tapered Roller
Drum Shaft: 3 1/2 inches
Feed Roller Shaft: 2 inches
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Chipper Drum:

Drum Diameter: 37 inches
Drum Width w/Fans: 31 3/4 inches
Drum Balance: Precision High Speed Balanced
Drum Speed: 1160 RPM
Number of Knives: 4
Knife Dimensions: 12 5/16" x 5 1/2" x 5/8"
Anvil: 5 7/8" x 24 3/4" x 1/2" AR400
Drum Fans: 20 1/4" x 3" x 10"

Cutting Dimensions:

Throat Opening: 18" x 25"

Hydraulic System:

Hyd Pump Displcmnt: 1 in cu/rev total from 2 pumps
Hyd Pump Drv Systm: Direct Drive off Engine Mount
Flow: 10.5 GPM Total Tandem Systems
System Relief: 2500 PSI
Oil Tank Capacity: 18 Gallons
Oil Type: AW32
Valve: DO5 Electric Solenoid
Hose: 16,000 PSI Burst - Exceeds SAE

Oil Filter: 10 Micron Return with Suction Strainer

Drive System:

Engine Sheave: 6/5V8.5
Jackshaft Sheave: 6/5V18.7
Drive Belt: 6/5V1800
Cutter Head Shaft: 3 1/2 inches

Feed System:

Feed Motors: 46 In Cu Top 32 In Cu Bottom
Flow: Separate Systems for Top/Btm Feed
Hydraulic Drive: Live – Driven off engine
Autofeed: Reversing, Digital, Fully Adjustable
Feed Rate: 100 Feet Per Minute
Feed Rollers: Top: 15 3/4" Dia Bottom: 10 1/2" Dia
Springs: Two 30" Tight Wound Powder Coated
Feed Pivot Bearings: Two 2" Tapered Roller
Lift Cylinders: Two 2" x 18" with 1" attachments
Discharge: Crank Adjustable Swivel and Height

Frame:

Main Trailer Tongue: 3" x 6" with 3/8" wall
Main Trailer Frame: 2" x 6" with 3/16" wall
Telescoping Tongue: N/A
Engine Channel Mnts: 4" Channel with 5/16"

Infeed Chute: 3/16" with 2" x 2" x 1/4" tube frame
Infeed Tray: 1/4" Plate w 2" x 2" and 2" x 4" Tube
Folding Tray Lock: N/A
Discharge Chute: 12 gauge
Discharge Lock: 3/4" Spring Loaded Pin
Fuel Tank: 10 gauge with baffles rubber mtd
Hydraulic Tank: 10 gauge with baffles rubber mtd
Battery Box: 10 gauge - lockable
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
Hitch Plate: 3/4" Plate adjustable 5" Up/Down