

# SERVICE SPECIFICATIONS

**Model: DS100**

## **Electrical:**

Voltage/Phase/Freq.	460/3/60
Control Voltage	120 VAC
Full Load AMPS	130

## **Planetary Gear Reducer:**

Manufacturer	Bonfiglioli
Ratio	139:01:00

## **Cutter Stack:**

Start Clearance	.375"
Cutter to Cutter	.007"
Cutter Diameter	22"
Cutter Thickness	3"

## **Endplate Preload**

Bolts	50 ft lbs.
Nut	50 ft lbs.

## **Gearbox Brg. Nut or Hub Torque:**

40 ft lbs.

## **Oil Capacities:**

Shredder Gear Box	10 Gallons
Planetary Gear Reducer	21L

## **Cutter Force at Tip: (Peak)**

Fast Shaft	48,800 ft-lbs.
Slow Shaft	55,900 ft-lbs.

## **Cuttuer Tip Speed:**

Fast Shaft	67.5 rpm
Slow Shaft	58 rpm

## **Shredder Dimensions:**

Cutting Chamber Width	39"
Cutting Chamber Length	77"
Cutting Chamber Height	19.5"
Discharge Width	39"
Discharge Length	77"
Overall Width	60"
Overall Length	201.3125"
Stand Height	79"

## **Weights:**

Shredder Assembly	32,600 lbs.
Shredder	23,000 lbs.
Stand	6,700 lbs.
Hopper	2,900 lbs.

## **Maintenance Weights:**

Motor	1,200 lbs.
Reducer	900 lbs.
Shaft (Drive)	1,100 lbs.
Cutter (Each)	150 lbs.
Endplate	1,000 lbs.

## **Shaft Speed:**

Fast Shaft	12.5 rpm
Slow Shaft	10 rpm

## **Shaft Torque: (Peak)**

Fast Shat	41,600 ft-lbs.
Slow Shaft	48,600 ft-lbs.