

Eagle Shredder Technical Specifications

The Eagle shredder continues its legacy in the size reduction market with its robust design and proven history. These low-speed high-torque shredders are available in 42" thru 90" widths and are powered by 40 thru 300 HP electric motors. Full functioned touch-screen PLC controls provide all the necessary settings required to run any application.



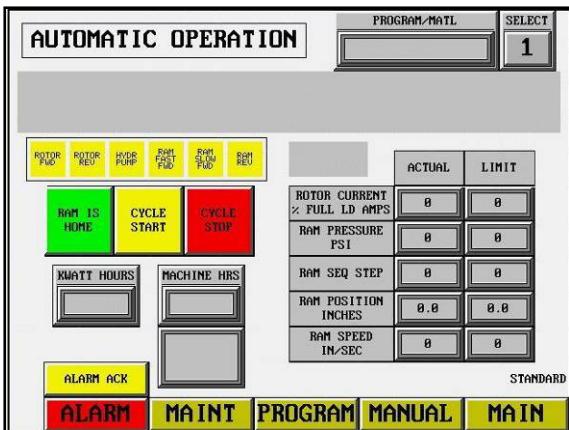
Specifications	42"	52"	62"	72"	90"
Motor (HP)	40 - 75 HP	75 - 125 HP	100 - 150 HP	150 - 200 HP	250 - 300 HP
Rotor Dia (in)	15"			20"	
Rotor Speed (RPM)	109 - 130 RPM				
Cutters (Hawksbill 40mm)	30 - 60 - 90	37 - 74 - 111	45 - 90 - 135	53 - 106 - 159	65 - 130 - 195
Cutters (Zoidal)	38 - 57 - 76 - 95	46 - 69 - 92 - 115	56 - 84 - 112 - 140	66 - 99 - 132 - 165	40 - 80 - 120 - 160
Ram Height (in)	11"			17"	
Ram Hydraulic Motor (HP)	7.5 HP			15 HP	
Hopper Opening (WxL) (in)	42" x 48"	52" x 58"	62" x 90"	72" x 101"	90" x 120"
Voltage	460V / 3 / 60 (customer specified)				
Weight Approx. (tons)	4.5	6	9.5	14	25

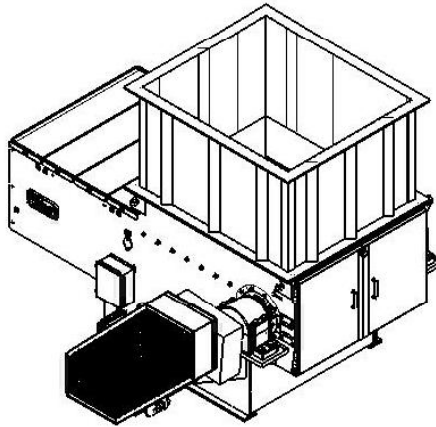
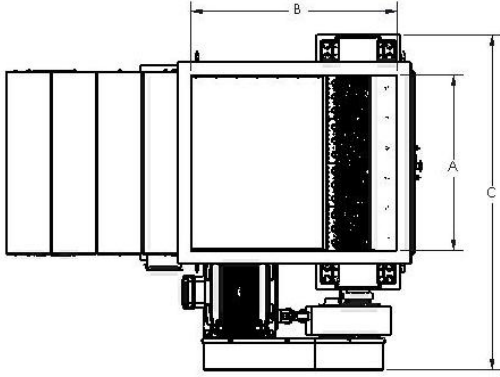
Specifications, appearances, and dimensions are subject to change without notice.



Standard Features

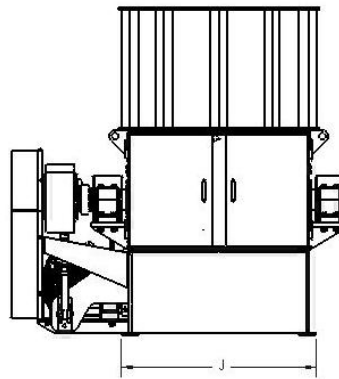
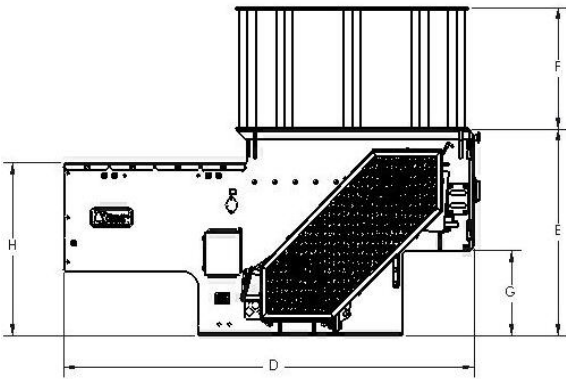
- Solid Alloy Steel One-Piece Forged Rotor Limited Lifetime Warranty
- Oversized Outboard Pillow Block Bearings
- Heavy Duty Construction
- Indexable Hawksbill or Zoidal Cutters US Patent
- Bolt-in Replaceable Tool Holders
- Allen-Bradley PLC with Color HMI Touch Screen Control
 - Motor Pressure and Ram Pressure controls
- Monorail Self Guiding Ram US Patent (42" & 52" only)
- Controlled Over-torque Limiting Clutch
 - V-Belt Drive with Falk Gearbox (up to 100hp)
Single Nut Belt Tension Adjustment
 - Right Angle Drive with Falk Gearbox (125hp and up)
Direct Beltless Drive
- Electronic Soft Start
- Reversible Counter knives
- Self-Cleaning Non-contaminating Rotor Seals
- Dual Pump Hydraulic Ram System
- Straight Walled Hopper - Customizable
- Removable Rear Compartment Access Covers
- Screens for Sizing Material 1" to 4" hole size
- Revision Controlled SolidWorks™ 3-D Design
- Warranty Statement
 - One Year Warranty on Manufacturing and Parts
 - Three Year Manufacturers Warranty on Falk Drive Train
 - Limited Lifetime Warranty on Forged Rotor





	42"	52"	62"	72"	90"
A	42.3	51.4	62.3	73.3	90.0
B	48.0	60.0	90.0	101.0	120.0
C	89.4	98.5	112.4	128.4	147.0
D	102.5	120.5	185.0	222.0	260.0
E	60.3			72.0	
F	36.0				
G	24.8			29.0	
H	50.4			58.0	
J	48.0	57.1	68.0	79.0	96.0

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Optional Features

- Multiple Cutter Rows
- VFD Motor Control
- Fluid Coupling
- Ethernet Module for Remote PLC Access
- Corrugated Compartment Plate / Ram Top Plate
- Extended Length Compartment
- Closed Loop Ram Velocity Speed Control
- Screens
 - Grooved Screen US Patent With Close Cutter Tolerance
 - Grooved Triple-Cut Screen Providing Granulator Performance from a Shredder down to 3/8"
- Water Cooled Rotor and Anvil
- Stainless Steel Machine Components
- Hoppers
 - Angled Hopper Walls
 - Fork Slot Hopper Openings
 - Automatic Cover for Product Containment

Optional Auxiliary Components

- Belt Infeed / Outfeed Systems
- Auger Outfeed Systems
- Magnet Separators
- Metal Separation Equipment
- Gaylord Box Dumpers
- Outfeed Size Classification System
- Complete System Control Integration



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