## Universe MACHINE

This ruggedly designed machine provides the maximum production of shredded waste materials at the lowest cost per ton.

## HI-THRUST HOG ROTOR REPLACEMENTS

The unit is fully capable of shredding all types or species of wood & waste even when contaminated with rock.

The Universe HOG is built to the highest industry standards and our company complies with the stringent ISO 9000 quailty assurance program.

Our hog is fully warranteed, and backed by our company's reputation for meeting our customer's expectations since 1965.

HOOD IN OPEN POSITION MANUAL SAFETY LOCK DEVICE OPTIONAL MOTOR ADJUSTABLE MOTOR MOUNT PLATE

## Universe MACHINE

5546 - 89 Street, Edmonton, Alberta, Canada, T6E 5P9 Phone: (780) 468-5211 Fax: (780) 468-5430 sales@umcorp.com http://www.umcorp.com



-Handles contaminants such as rock -Adjustable cutter space clearances -Solid high inertia rotor with impact & shearing action -Quick change out striker plates useable on 4 edges

18. Sensors are provided to detect when 1. Replaceable Astralloy type anvil grate pins have sheared or when material liner installed throughout top housing is open. interior of housing. All liners are heavy duty 3/4" thick with wear 17. Bolted anvil ears allow for the liners bolted to housing for fine adjustment of clearances easy replacement. between rotor and anvil. 2. Stress relieved housing is faced 16. Anvil Bottom Section (highest and line bored, ensuring proper fit wear area) liner is bolted in and and alignment for the life of the reversible for longer life. machine. 15. Multiple stepped rotor with striker 3. Twin cylinders with parallel to the anvil reduces end thrust safety interlocks are and provides minimal rotor to grate closed when not in use, clearance for superior shearing action. eliminating rod corrosion problems. 14. The rotor also incorporates square striker plates that can be rotated to 4. Rear Hinge Pin with use all four sides for longer life. The grease groove and striker plates are held in place with a single bolt taper lock system for double support plates quick change out. They are also eliminates bending moment. available with an optional tungston carbide tip system. 5. Adjustable motor mount plate with totally enclosed 13. Rotor locking system prevents subframe floor allowing rotation during maintenance. easier installation. 12. Grate Holes are angled to provide a shearing action between grate and rotor striker plates. The grate may be removed through 6. The hog incorporates a centre opening or through the new heavy duty shaft. bottom. 7. Bearing housings are It is heavier than previous models and supported by one is reversible extending the grate's life. piece Bearing Blocks. 11. Shear bolts supplied with recessed groove which allows for clean 8. Bearing blocks with steps to suit machined -9. Dual grate to rotor housing pockets ensure exact repeatable break with minimal damage and set clearance adjustment housing alignment in the closed position. on shear bolt bushings eliminate potential problems caused by 10. Access is accomplished by only worn holes or partially sheared bolts. removing 2 bolts **Overall Size (Inches)** Model 11C Capacity HP Rotor Rotor Total Standard 3 flute rotor LBS Size Tons \ Hr RPM LBS Range height length width 60 x 72 450 80,300 100 190 98 135 - 185 800 - 1100 33,200 60 x 60 110 - 160 700-1000 450 28,100 72,000 100 190 86 47,600 160 91 48 x 72 80 - 125 500 - 800 565 22,000 81.5 48 x 60 65 - 100 400 - 700 565 18,500 40,500 81.5 160 79 Optional 4 flute rotor 48 x 48 48 - 75 300 - 600 565 15.000 34,500 81.5 160 67 36 x 60 30 - 50 250 - 400 750 10,000 27,800 61.5 134 79 36 x 48 23 - 36 200 - 350 750 8,700 23,300 61.5 134 67 36 x 36 16 - 24 150 - 300 750 6,600 17,000 61.5 134 55 24 x 36 9 - 15 125 - 200 1200 3,100 9,700 50.5 105 55

5 - 8

Figures are representative, based on model IIc and should be verified prior to order

24 x 24

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R

100 - 150

1200

2,000

Patent Pending

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7,550



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