

SCHULTE

3020 ROTARY CUTTER



Superior Cutting Performance & Drive Line Reliability



- 1** Unique drive and frame layout - specially designed divider box with 50° output shaft angles.
- 2** Four gear box, 260 HP divider gear box, 1000 RPM drive line.
- 3** Round skid pads on standard unit.
- 4** 80° constant velocity tractor shaft.
- 5** Four plate slip clutches on wings.
- 6** Deck protection rings.
- 7** Hydraulic level lift with (3) phasing cylinders and nitro steel cylinder rods.
- 8** Adjustable and replaceable centre skid shoes and replaceable wing skid shoes.
- 9** Full floating front hitch along with floating wings.
- 10** Spring steel bushings at all pivot points.

G O N U M B E R O N E . . . G O S C H U L T E !

Superior Cutting Performance & Drive Line Reliability

Power delivery is handled by specially designed 260 HP divider box with 50° output shaft angles instead of the more common 40° angle, allowing the use of wing drive shafts that are no longer than on a 15' machine. These short drive shafts are not subject to the vibration related problems usually encountered on competitive machines.

The unique drive line results in a frame arrangement with the centre blade set at the rear and the wing blades set forward resulting in a flat front on all three frame sections. This design produces a higher cutting rate than on conventional delta wing designs since most material is not being held down by the frame or chain curtain at the time it contacts the blades.

SPECIFICATIONS

Cutting width	240" (6.1 m)
Overall width	247" maximum (6.2 m)
Overall length	220" maximum (5.6 m)
Cutting height	1 1/2" - 15" (38 - 380 mm)
Transport width	117 1/4" (2.98 m)
Transport height	108" (2.7 m)
Shipping weight, wet	6000 lbs. (2722 kg)
Hitch weight, transport	2450 lbs. (1111 kg)
Cutting capacity	2" diameter material (50 mm)
Minimum tractor HP	100 HP (75 kW)
Gearcase rating at 1000 RPM	260 HP (divider) 150 HP (blade carrier)
Tractor hydraulics	2 double acting circ, 1,750 psi (12 MPA)
Blade RPM and tip speeds	
Centre	730 RPM-16,053 ft/min (294km/hr)
Wing	720 RPM-15,834 ft/min (290km/hr)
Blade overlap	6" (152 mm)
Adjustable side band depth	12 1/8 - 13 5/8" (308 - 346 mm)
Wing operating range	18° down to 85° up

OPTIONS

Shredder blade kit; various safety shielding options; precision hitch or solid tongue; pneumatic tire kit (2)11L (2)9.5L; (6)8 ply light truck tires; safety light kit; front upright shielding.



Unit shown in narrow transport width

Runs cool in hot weather. The divider gearbox has cooling fins top and bottom helping it to run cooler in hot weather. Drive shafts are connected to gearboxes using 1 3/8" - 21" spline clamp yokes for maximum strength and holding ability.

Wheel standards are adjustable to most common row spacings. The centre section suspension is designed to cushion the front hitch as well as the wheel arms without causing side to side sway. Rubber dampers are used on the wing suspension to eliminate wheel bounce.

Three 8" stroke hydraulic phasing cylinders make up the standard frame lift system. These cylinders operate together to raise and lower all frame sections at one time.

Wings are raised and lowered using double acting hydraulic cylinders. A slotted bracket allows the wing to move freely through its working range without pumping the cylinder. Double acting cylinders are superior to single acting cylinders in that they always have oil on both sides of the piston and cannot be damaged by foreign material entering the cylinder through the breather vent.



Schulte Industries Ltd. reserves the right to change the design, material and specifications of its products without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment. Part No. 1000-155

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