

# RAZORGAGE

## SAW SYSTEMS

### CYCLONE 600 UPCUT SAW

The Cyclone 600 Upcut Saw from RazorGage is one of the safest, most rugged and precise upcut saws on the market. This industrial upcut saw provides razor sharp cuts, 20 inches wide, with virtually no tearout. Use the Cyclone 600 to cut wood and other materials, or use it as an upcut aluminum saw. Our products consistently outperform the competition, and we pride ourselves on the quality of our materials and components.



# BETTER BY DESIGN

RazorGage saws and saw systems are built with superior hardware designed to last. The saw blade on the Cyclone 600 upcut saw, mounts directly to a 7.5 HP Baldor spindle motor, that glides on machine tool grade, recirculating ball linear bearings, for ultimate rigidity and simplicity. There are no belts that can wear out. Intelligent Frequency Drive controls the saw blade RPM and requires no air logic to operate.

## FEATURES

- Cuts materials up to 1" x 20" or 6" x 6"
- 16" fence and table surface on both sides of the upcut saw blade
- Patented Safe-T-Crowders improve safety
- Electronic braking
- Saw blade access panel bolt kills power & air when loosened
- Direct drive – NO BELTS!
- Leveling pads are included and the design allows for easy floor anchoring
- Improved motor mount design with substantial steel construction and linear bearings



WWW.RAZORGAGE.COM  
515.232.3188 • Sales@RazorGage.com

# Cyclone 600 Upcut Saw *Specifications*

Motor Specs	7.5 hp (enclosed fan cooled) available in 208-230-460Vac 3-phase
Power Source	230 VAC, 3 phase, 30 Amps 460 VAC, 3 phase, 20 Amps
Exhaust Port	Two 4" diameter (102 mm) requiring 600 cfm (17 m <sup>3</sup> ) minimum for dry light materials. Other material may need higher velocity/pressure
Compressed Air	Requires 80 psi (5.5 bar) at 5 cfm (0.14 m <sup>3</sup> ) air filtered to 2.5 microns (oil and moisture free). Use industrial air dryer, rated for cfm (CM) flow. No lubrication required for air components. Air must be lubricant free.
Motor RPM	Adjustable up to 3450
Arbor	1.000 inch
500 mm Blade for Wood	500mm x 120T x 1" Bore x 23°ATB/5°ASF x Plate .128 x Kerf .172
500mm Blade for Aluminum	O/D 500mm or 19.68" x Kerf 3.5mm or .137" x Plate 3.0mm or .118" x Bore 25.4mm or 1.00" x Teeth 140 D Type Tip Grade Sash Pro X Expansion Slots Five.
24" Blade for Wood	24" Dia. x 144T x 1" Bore x 23°ATB/5°ASF x Hook 22° Plate.138 x Kerf.186
24" Blade for Aluminum	24" Dia. x 200 Teeth x 1" Bore x TCG x Hook 6° Plate.138 x Kerf.174
Shipping Weight	975 lb
Shipping Dimensions	48" wide x 48" deep x 64" tall

Material Thickness	Cyclone 600 Width Capacity for Common Blade Diameters					
	14" Blade	16" Blade	18" Blade	500mm Blade	22" Blade	24" Blade
0.5	6.97	10.38	13.23	15.42	18.27	20.62
0.75	6.04	9.77	12.76	15.02	17.93	20.32
1	4.89	9.10	12.25	14.59	17.57	20.00
1.25	3.32	8.35	11.70	14.13	17.19	19.67
1.5		7.49	11.10	13.64	16.79	19.32
1.75		6.49	10.44	13.11	16.36	18.95
2		5.25	9.72	12.54	15.90	18.55
2.25		3.56	8.91	11.92	15.42	18.14
2.5			7.98	11.24	14.90	17.70
2.75			6.90	10.50	14.35	17.24
3			5.58	9.68	13.75	16.74
3.25			3.78	8.75	13.11	16.22
3.5				7.68	12.42	15.67
3.75				6.40	11.67	15.08
4				4.75	10.84	14.45
4.25				1.99	9.92	13.77
4.5					8.88	13.03
4.75					7.68	12.24
5					6.20	11.37
5.25					4.20	10.40
5.5						9.30
5.75						8.03
6						6.49

## *Custom Modifications*

Call RazorGage for custom modifications to suit your specific application.  
515-232-3188

