



Technical Specification

C Series Granulators



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C Series Granulators

Application:

For heavy extruder purgings, sheet and pipe scrap. The C Series Granulators are ideal for pipe, purgings, x-ray film, sheets, post consumer baled bottles, film, and fibers. The C Series features a standard 3-knife twin high-shear rotor.

Features:

Model	Throat Size	Cutting Circle Diameter	Throughput	Approximate Weight
C1000	20 1/2" x 40" (520 x 1000 mm)	18" (460 mm)	3000 lbs./hr. (1363 kg)	14,000 lbs. (6360 kg)
C1400	20 1/2" x 56" (520 x 1400 mm)	18" (460 mm)	3500 lbs./hr. (1600 kg)	17,000 lbs. (7730 kg)

Benefits:

- Heavy-duty construction allows granulator to handle heavier loads.
- The rotor knives are bolted to the rotor with high-strength alloy steel bolts.
- Reinforced, heavy-duty screen cradle.
- Optimum cutting efficiency with Twinshear knife configuration.
- Dual flywheels reduce drive horsepower requirement.
- 3-Chevron-positioned rotor knives scissor cut against the bed knives to provide optimum cutting efficiency, with low power consumption.
- housed, heavy-duty, spherical roller bearings
- The hopper has sound-absorbent materials to minimize airborne and structural noise.
- Open-wing rotor produces high quality granulate.
- Rotating end rings to prevent frictional heat and to prevent dirt migrating into the bearings.
- Heavy duty overall construction: main frame, rotor, downstroke shield, steel plate bedknife blocks & belts. Larger, spherical roller bearings and heavy-duty flywheel sheave.
- Power operated jack screws tilt the hopper and drop the screen cradle for ease of maintenance and clean-out.

Specifications (Consult Factory for Special Options):

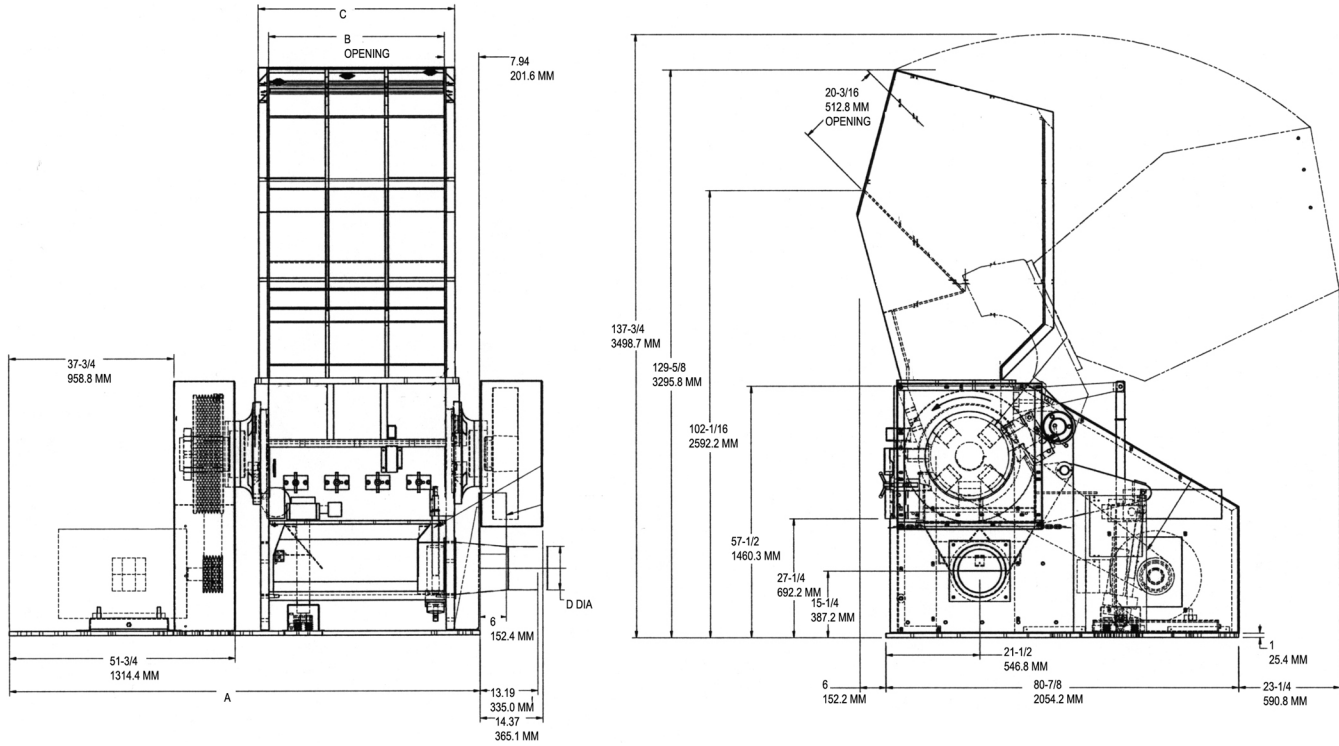
	C1000		C1400	
	Standard	Std. Option	Standard	Std. Option
Infeed	Conveyor feed	Sheet feed, Side feed, Conveyor and sheet feed, Conveyor and pipe feed	Conveyor feed	Conveyor and sheet feed, Conveyor and pipe feed, Sheet feed, Side feed
Cutting Chamber	2-bed knife, Twinshear	(raised) bed knife	2-bed knife, Twinshear	(raised) bed knife
Rotor	3-knife Twinshear	5 knife Twinshear 3 knife offset	3-knife Twinshear	5 knife Twinshear 3 knife offset
Rotor Knives	HCHC Highshear	HCHC, keen edge, 55°, steep angle	HCHC Highshear	HCHC, keen edge, 55°, steep angle
Bed Knives	HCHC, 2-edge		HCHC, 2-edge	
Screen	3/8" dia., swing down	3/16" to 3" diameter	3/8" dia., swing down	3/16" to 3" diameter
Base	Airveyor		Airveyor	
Discharge	8" Airveyor chute	10" Airveyor chute	12" Airveyor chute	10" Airveyor chute
Motor	100 HP, 1800 RPM, TEFC, 3/60/230/460	125 HP, 150 HP, 200 HP, 250 HP, TEFC	150 HP, 1800 RPM, TEFC, 3/60/230/460	100 HP, 125 HP, 200 HP, 250 HP, TEFC
Drive Parts	V-belt, dual flywheels		V-belt, dual flywheels	
Electrical Components	NEMA 12 with safety interlocks		NEMA 12 with safety interlocks	
Controls	Customer supplied	NEMA 12	Customer supplied	NEMA 12
Labels	Safety labels/English	French/Spanish	Safety labels/English	French/Spanish
Accessories		Blower, separator		Blower, separator

— See Page 2 For C Series Drawings —



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Cumberland C Series Granulators



Dimensions

Model	A	B	C	D
1000	107 3/4" (2736.9 mm)	40 1/8" (1019.2 mm)	44 7/8" (1139.8 mm)	10" (254.0 mm)
1400	123 3/4" (3143.3 mm)	56 1/8" (1425.6 mm)	60 7/8" (1546.2 mm)	12" (304.8 mm)