

**CGW-1418, CGW-1424 AND CGW-1436 MODELS****ADAPTABLE  
2-WAY CHAMBER  
FOR MULTIPLE  
APPLICATIONS**

Model CGW-1424

Versatile, rugged CGW Series Granulators are designed for central or machine-side recycling of tough, injection molded parts; bulky blow-molded containers; film; sheet; and extruded parts and scrap.

These heavy-duty granulators feature exchangeable back plates that modify the cutting chamber from super tangential feed to restricted tangential feed, allowing you to process virtually any kind of scrap.

Easy adjustment of the gap between rotor and fixed bed knives ensures a constant cutting circle, resulting in increased throughputs and high-quality, uniform regrind.

**WIDE OPEN ACCESS FOR QUICK AND EASY CLEANING AND BLADE MAINTENANCE**

The robust CGW Series offers a swing-open screen cradle for the industry's fastest rotor access.

At throughputs ranging from 450 to 1,000 pounds per hour, you can process batch-fed sprues and runners; bulky, thin-walled parts; sheet and film; profiles; smaller pipes; and hard-to-grab molded parts, such as pails, housings, drums and automotive moldings.

Hopper styles include hand feed, hand/sheet feed, sheet/profile feed and conveyor feed.

CGW options include: wear resistance packages, 2nd flywheel for added inertia, blower systems for evacuation from the granulate bin, high level/high amp alarms, larger horsepower motors, base sound enclosure and incline conveyors with and without a metal detector, electric ball screw hopper lift, roll feeds and pre-adjustable knife fixtures.

- **Direct and easy access to machine core**

Conair's innovative CGW cutting chamber features a swing-open removable screen, cradle and granule discharge bin for wide open access. Rotor access is straight-in versus from underneath, greatly simplifying clean out and blade maintenance saving you time and money.

- **High-quality regrind**

The standard two or optional three bed knives tailor the number and position of cuts to the type of part, optimizing the process and assuring the highest quality and level of production.

- **Constant cutting circle**

Rotor knives adjust outward to the stationary bed knives to maintain an unchanging gap between the knives and screen, eliminating screen clogging, minimizing heat buildup and reducing dust and fines even with the toughest applications.

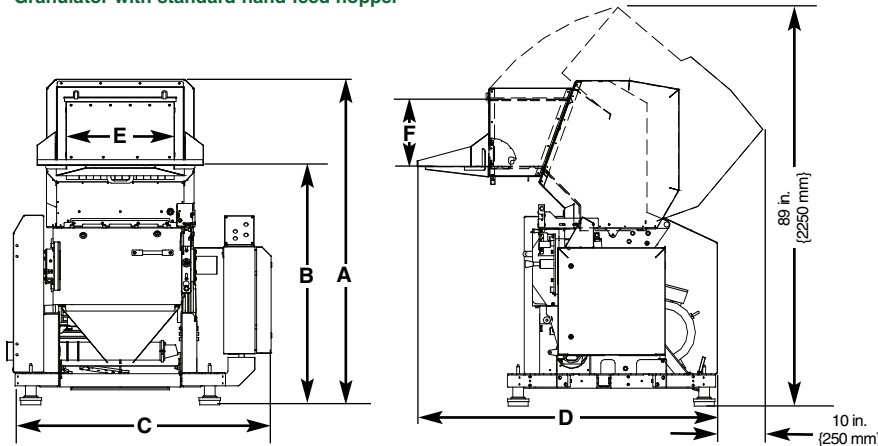
- **Quiet operation**

CGW granulators have hinged feed trays; double-wall, sound-proofed hoppers; and optional integral sound enclosures to reduce noise during granulation.



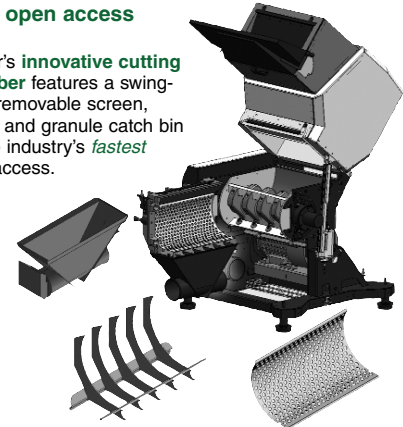
# CGW-1418, CGW-1424 AND CGW-1436

Granulator with standard hand feed hopper



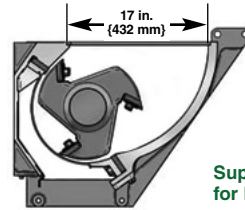
### Wide open access

Conair's **innovative cutting chamber** features a swing-open removable screen, cradle and granule catch bin for the industry's **fastest** rotor access.



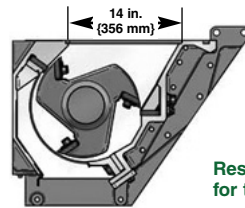
MODELS	CGW-1418	CGW-1424	CGW-1436
<b>Performance characteristics</b>			
Maximum throughput* lb/hr (kg/hr)	450 {204}	600 {272}	1000 {454}
Super tangential cutter chamber opening in. {mm}	17 x 18 {432 x 457}	17 x 24 {432 x 610}	17 X 36 {432 X 914}
Restricted tangential cutter chamber opening in. {mm}	14 x 18 {356 x 457}	14 x 24 {356 x 610}	14 X 36 {356 X 914}
Rotor speed rpm	525	525	525
Cutting circle in. {mm}	14 {356}	14 {356}	14 {356}
Motor power† Hp {kW}	10 {7.5}	15 {11.0}	15 {11.0}
Rotor type	3-blade open rotor (5-blade open rotor, optional)		
Screen hole sizes	1/8, 1/4, 5/16, 3/8, 1/2, 5/8 and 1 in. {4, 6, 8, 10, 12, 17 and 25 mm}		

### Cutting chamber configurations



**Super tangential for bulk waste**

Standard configuration includes two fixed knives. Typical applications are bulky parts and scrap.



**Restricted tangential for thicker-walled parts**

Three fixed knives are standard on restricted tangential chambers for increased throughputs. Typical applications are thick-walled, heavy-cross section parts and scrap.

<b>Knives</b>	
Number of rotating knives	3
Number of fixed knives	Super tangential 2 standard; Restricted tangential 3 standard

<b>Dimensions inches {mm}</b>	
A - Overall height	72 {1829}
B - Height to hopper infeed	53 {1346}
C - Width	51 {1295}
D - Depth	66 {1677}
E - Feed hopper opening - width	18 {457}
F - Feed hopper opening - height	14 {356}

<b>Weight lb {kg}</b>	
Installed	2094 {950}
Shipping	2315 {1050}

<b>Voltages</b> Total amps based on motor size	Total amps based on motor size				
	10 Hp	15 Hp	25 Hp	40 Hp	50 Hp
208V/3 phase/60 Hz	30.8	46.2	74.8	120.0§	150.0†
230V/3 phase/60 Hz	27.9	41.8	53.7	104.0	130.0
400V/3 phase/50 Hz	16.0	24.0	39.1	62.7	78.2
460V/3 phase/60 Hz	13.9	21.0	34.0	52.0	65.0
575V/3 phase/60 Hz	11.1	16.7	27.1	41.0	52.0

<b>Noise level§</b>	
With no soundproofing	90 to 95 dbA
With optional soundproofing	80 to 85 dbA

<b>Motor options</b>				
●=standard o=optional	CGW-1418	CGW-1424	CGW-1436	
10.0 Hp {7.5 kW}	●	N/A	N/A	
15.0 Hp {11.0 kW}	o	●	●	
25.0 Hp {18.7 kW}	o	o	o	
40.0 Hp {29.8 kW}	o	o	o	
50.0 Hp {37.3 kW}	o	o	o	

<b>Evacuation blower options</b>			
o=optional	CGW-1418	CGW-1424	CGW-1436
1.5 Hp {1.1 kW}	o	N/A	N/A
3.0 Hp {2.2 kW}	o	o	o
5.0 Hp {3.7 kW}	o	o	o

**SPECIFICATION NOTES:**

\* Throughputs are provided as a capacity guideline only. Throughput will vary according to the size, shape, thickness and properties of the material to be cut, as well as the desired size of the granulate. Consult Conair for a material test or help determining the correct granulator model for your application.

† The chart lists standard motor selections. Additional motor sizes are listed under Motor Options.

‡ Consult factory on availability.

§ Noise level will vary according to material type being processed and the granulator configuration. These ranges are based on tests using SPI standards. Specifications may change without notice. Check with a Conair representative for the most current information.

