

**CW-1824, CW-1836 AND CW-1848**

Model CW-1836

# ADAPTABLE 3-WAY CHAMBER FOR MULTIPLE APPLICATIONS

CW Series Granulators utilize an innovative, adaptable cutting chamber to provide exceptional and dedicated size reduction on blow molding, injection and extrusion parts.

These quiet, heavy-duty granulators feature exchangeable back plates that modify the feed from open tangential to conventional straight-drop, accommodating virtually everything from large bulky parts to heavy-wall profiles to sprues and runners. The result is increased throughput and a more consistent and uniform regrind.

## DESIGN FLEXIBILITY OPTIMIZES REGRIND

Conair's CW Series is a robust, heavy-duty central granulator for reclaim of all types of plastic parts.

In addition to the uniquely adaptable cutter housing, the CW Series offers a swing-open screen cradle for the industry's fastest rotor access and lowest in-feed height in its class.

A three-blade slant-knife open rotor provides scissor-cutting action for fast, efficient processing. An optional five-blade open rotor is available for more demanding applications.

CW Series also offer custom hoppers for front, side, rear and roll feed to accommodate most every type of feed system and an electric ball screw hopper lift. CW options include: wear resistance packages, 2nd flywheel for added inertia, blower systems, high level/ high amp alarms, larger horsepower motors, base sound enclosure and incline conveyors.

### ■ **Swing-open screen and bin**

Conair's innovative CW cutting chamber features a swing-open removable screen, cradle and granule catch bin. Rotor access is straight-in versus from underneath, greatly simplifying clean out and blade maintenance.

### ■ **Optional bed knife positions**

Two, three or four 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.

### ■ **Automatic rotor safety lock**

The CW rotor automatically locks in place when the hopper is raised. This safety feature, which also has a manual release, protects the operator during blade maintenance by holding the rotor firmly in place.

### ■ **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 fines.

### ■ **Extended screen life**

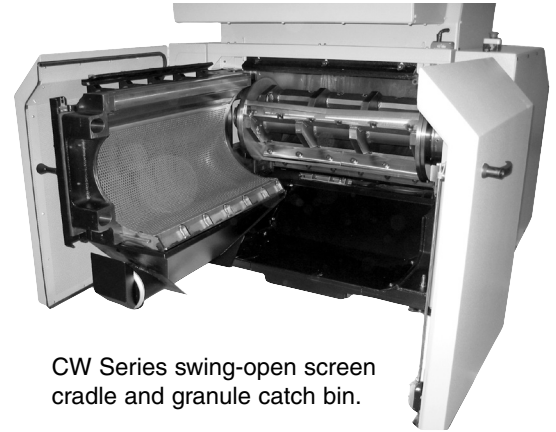
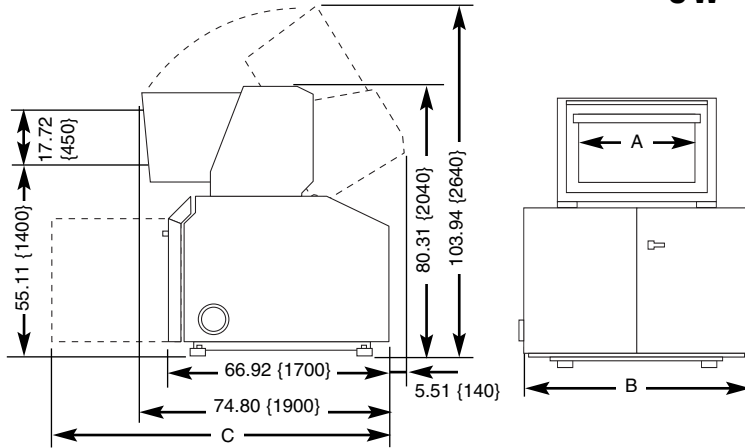
Convenient lift-out screens are reversible for extended life.



**SPECIFICATIONS**

**CW-1824, CW-1836 AND CW-1848**

Note: Dimensions shown in inches and (mm)

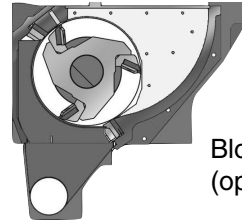


CW Series swing-open screen cradle and granule catch bin.

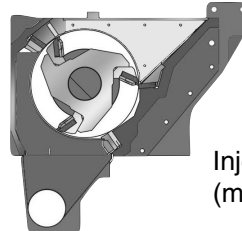
MODELS	CW-1824	CW-1836	CW-1848
<b>Performance characteristics</b>			
Throughput* lb/hr {kg/hr}	1350 {612}	2000 {907}	2800 {1270}
Cutter chamber opening in. {mm}	18 x 24 {450 x 600}	18 x 36 {450 x 900}	18 x 48 {450 x 1200}
Cutting circle in. {mm}	17.7 {450}	17.7 {450}	17.7 {450}
Rotor speed rpm	420	420	420
Standard motor power Hp {kW}†	25 {19}	40 {30}	40 {30}
Drive type	Belt drive		
Hopper type	Front hand feed		
Vacuum discharge	Rear		
Screen mesh sizes	1/4, 5/16, 3/8, 1/2, 5/8, 1 in. {6, 8, 10, 12, 17, 25 mm}		
Rotor type	Herringbone 3-blade open (optional 5-blade open)		
<b>Knives</b>			
Number of rotating knives	6	6	6
Number of bed knives	2 (optional 3-4)	2 (optional 3-4)	2 (optional 3-4)
<b>Dimensions inches {mm}</b>			
A - Feed hopper opening - width	23.62 {600}	35.43 {900}	47.24 {1200}
B - Width	56.69 {1440}	68.50 {1740}	80.31 {2040}
C - Overall depth with door open	98.42 {2500}	102.36 {2600}	114.17 {2900}
<b>Weight lb {kg}</b>			
Installed	5400 {2450}	6500 {2950}	8100 {3675}
Shipping	5900 {2675}	7000 {3175}	8750 {3970}
<b>Voltages</b> Total amps based on standard motor ‡			
208V/3 phase/60 Hz	69	118	118
230V/3 phase/60 Hz	62	106	106
460V/3 phase/60 Hz	31	53	53
575V/3 phase/60 Hz	25	43	43
<b>Noise level</b>			
With full sound enclosure	80 - 85 dbA		
<b>MOTOR OPTIONS</b>			
●=standard ○=optional			
25 Hp {19 kW}	●	n/a	n/a
40 Hp {30 kW}	○	●	●
50 Hp {37 kW}	○	○	○
75 Hp {56 kW}	n/a	○	○
100 Hp {75 kW}	n/a	○	○

**CW Cutter Housing Configurations**

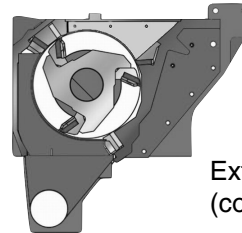
(shown with optional bed knife positions)



Blow Molding (open tangential)



Injection Molding (modified tangential)



Extrusion (conventional restricted)

**SPECIFICATION NOTES:**

\* Throughput is based on a 1/2 inch {12.7 mm} screen. Throughput rates are provided as a capacity guideline only. Throughput will vary according to the selected screen size, the shape, thickness and properties of the material to be cut. 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.  
 ‡ Refer to the motor nameplate for exact FLA and motor specifications.  
 § 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.

