

CLS-810, CLS-814, CLS-819 AND CLS-824

Model CLS-814

LOW SPEED ROTOR FOR HIGH-QUALITY REGRIND

Conair's CLS Series of meter fed, beside-the-press granulators combine rugged, dependable performance with consistent, high-quality regrind.

The CLS is designed for robot or conveyor fed sprues, runners and light duty parts. The small footprint and low infeed height make the CLS ideal for closed-loop robot/granulator systems and beside-the-press applications.

The low rotor speed provides better quality regrind, with reduced noise and flyback and less wear with abrasive materials.

UNIFORM SIZE PARTICLES, EFFICIENT PERFORMANCE

Conair's meter fed, beside-the-press CLS leads the way for high-quality size reduction. The resulting material bulk density approximates virgin for feeding the two in consistent ratios and with a minimum of fines for stable flow through vacuum receivers.

All CLS series granulators provide a constant cutting circle using adjustment free, disposable blades and are supplied with a tilt-back, top opening robot/conveyor feed hopper with gas-assist shock absorbers.

Additional conveniences include simple push-button controls, a TEFC motor and a solid rotor pulley for added inertia, a steel bin and a discharge vacuum tube.

CLS series options include sound-proofing and wear resistance packages, blower systems and high level sensors.

■ Better quality regrind

The slower rotor speed of the CLS provides a better quality, consistent sized regrind and at the same time decrease noise and flyback produced during operation. Low RPM also reduces angel hair and dust generation for cleaner output.

■ Increased throughput with third bed knife

The addition of an optional third bed knife in the cutter housing gains throughput efficiencies while reducing the aggressiveness of the cutter knives.

■ Economical disposable knives

Staggered rotor provides more cuts per revolution and a better 'bite' as compared to a single slant-knife, which makes it ideal for hard-to-cut parts. Replacement blades simply drop-in without adjustment and are far more economical than the costs for re-grinding a rotor.

■ Easy, no-tools access

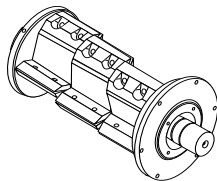
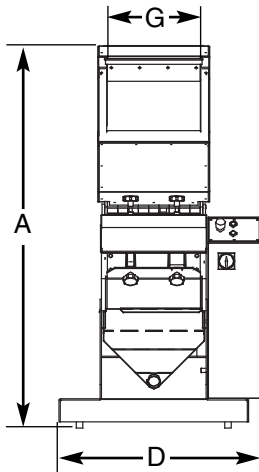
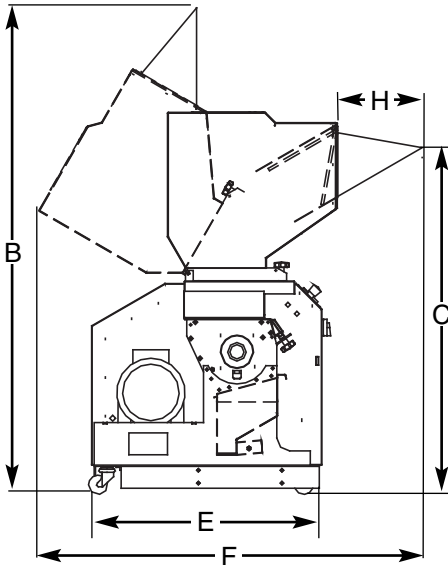
No-tools access to the cutting chamber, drop down screen cradle and reversible screen means you can perform a material/color changeover in five minutes or less. This also helps to eliminate the risk of rotor damage from a hardened tool.



SPECIFICATIONS

METER FEED GRANULATORS

CLS-810, CLS-814, CLS-819 AND CLS-824



STANDARD STAGGERED ROTOR with disposable, cassette knives

MODELS	CLS-810	CLS-814	CLS-819	CLS-824
Performance characteristics				
Throughput* lb/hr {kg/hr}	150 {70}	200 {90}	250 {115}	300 {135}
Cutter chamber opening in. {mm}	8.7 x 9.5 {220 x 240}	8.7 x 14.2 {220 x 360}	8.7 x 18.9 {220 x 480}	8.7 x 23.6 {220 x 600}
Cutting circle in. {mm}	7.88 {200}	7.88 {200}	7.88 {200}	7.88 {200}
Rotor speed rpm	312	312	312	312
Standard motor power Hp {kw}	5.0 {3.7}	7.5 {5.5}	7.5 {5.5}	7.5 {5.5}
Drive type	belt drive			
Hopper type	hand, robot, conveyor feed			
Vacuum discharge side	front†			
Screen mesh sizes	5/32, 3/16, 1/4, 5/16, 3/8, in. {4, 5, 6, 8, 10, mm}			
Rotor type	staggered rotor			
Knives				
Number of rotating knives (knives x segments)	3 X 2	3 X 3	3 X 4	3 X 5
Number of bed knives	2 (optional 3rd)	2 (optional 3rd)	2 (optional 3rd)	2 (optional 3rd)
Dimensions inches {mm}				
A - Height - hopper closed	58 {1480}	58 {1480}	58 {1480}	58 {1480}
B - Height - hopper open	73 {1856}	73 {1856}	73 {1856}	73 {1856}
C - Infeed height - floor to feed tray	53 {1342}	53 {1342}	53 {1342}	53 {1342}
D - Width	26 {670}	31 {790}	36 {910}	41 {1030}
E - Base depth	35 {890}	35 {890}	35 {890}	35 {890}
F - Overall depth	58 {1482}	58 {1482}	58 {1482}	58 {1482}
G - Feed hopper opening - width	9.5 {240}	14.0 {360}	19.0 {480}	24.0 {600}
H - Feed hopper opening - depth	8.6 {218}	8.6 {218}	8.6 {218}	8.6 {218}
Weight lb {kg}				
Installed	926 {420}	1014 {460}	1157 {525}	1257 {570}
Shipping	983 {446}	1058 {480}	1202 {545}	1301 {590}
Voltages Total amps based on standard motor				
208V/3 phase/60 Hz	17.5	NA	NA	NA
230V/3 phase/60 Hz	15.2	25	22	22
460V/3 phase/60 Hz	7.6	12	11	11
575V/3 phase/60 Hz	6.1	10	9	9
Noise level†‡				
Standard with hopper soundproofing	85-90 dbA			
Optional with hopper and base soundproofing	80-85 dbA			
Optional with no soundproofing	90-95 dbA			

SPECIFICATION NOTES:

* Throughput is based on a 5/16 inch {8 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.

† CLS granulators ordered with the optional base sound enclosure will have a rear discharge.

‡ 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.

OPTIONS

- Discharge: manual, vacuum (standard), blower
- Base sound enclosure
- Hardened cutter housing
- Third bed knife
- Nitro-carburized screen

MOTOR OPTIONS ●=standard ○=optional	CLS-810	CLS-814	CLS-819	CLS-824
	5 Hp {4.0 kW}	●	N/A	N/A
7.5 Hp {5.5 kW}	○	●	●	●

