

## Self-Contained Hopper Loaders

**Corrosion-free, stainless steel hoppers designed to prevent material contamination**

Comet's CAL-U Series self-contained hopper loaders are used to transfer pellets and regrind from a single source (usually a gaylord) to a single destination (usually a blender, drying hopper or machine throat) in facilities that do not have centralized conveying systems. The cost-efficient, stainless steel hopper ensures no material contamination and the soundproofed motor cover reduces motor noise. The detachable control panel allows the operator the convenience of remote operation.

### Standard Features

- Adjustable positioning of material hopper and base.
- Compact, rapidly rotating and high-efficient carbon brush motor runs at a high speed to generate high-pressure air.
- Wire-controller is convenient to use with automatic cleaning function.
- Extremely reliable reed switch on CAL-U or photosensor switch on CAL-U-E for material level detection.
- Quick release, hinged hopper lid ensures quick cleanup time and easy maintenance.
- CAL-6U and above models can select an air accumulator to enhance purging and reduce manual clean time.
- Detachable hand-held control panel for added convenience.
- User-friendly microprocessor control with fully programmable functions and easy-to-read digital display to show operating status.
- Motor soft-start function reduces excess current during initial power-up with brush alarm and run time indicator.
- Regrind mix ratio via an optional proportioning valve.
- Cloth mesh filter.

### Options

- Reinforced auto cleaning air accumulator (CAL-6U/12U).
- Quick mix valve to works with Comet's CPV-U proportioning valve to enhance mixing.



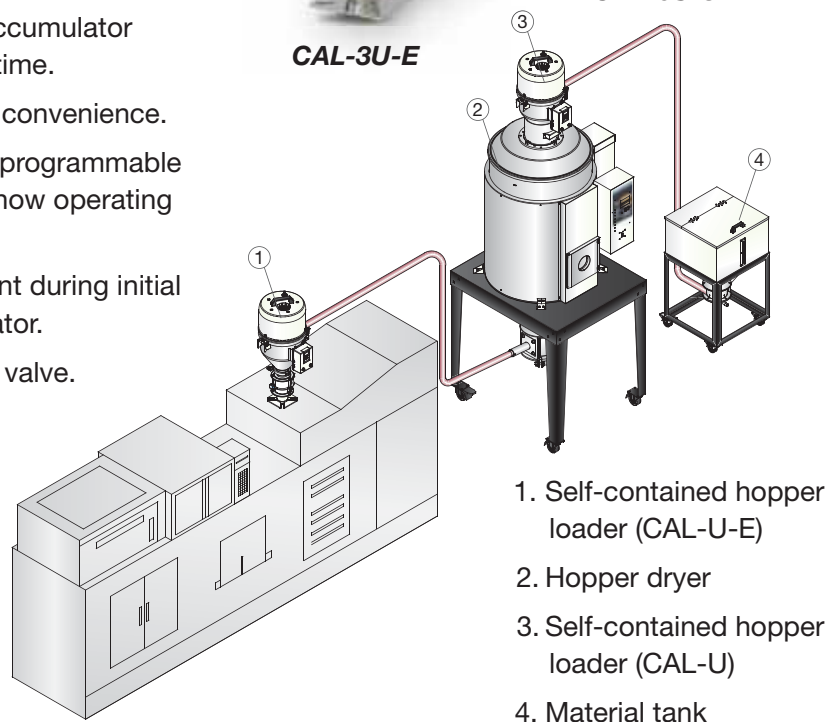
CAL-6U



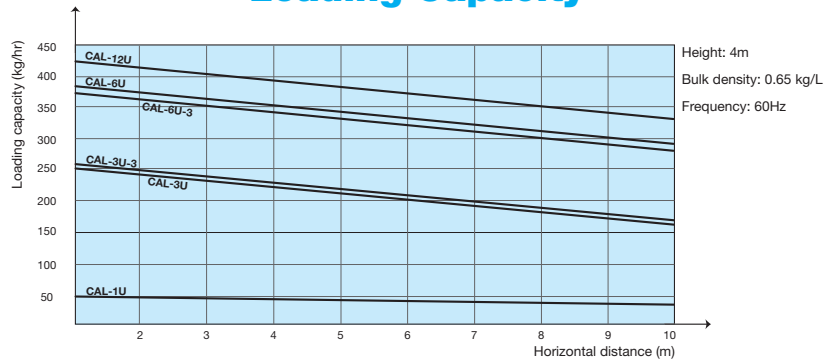
CAL-3U-E



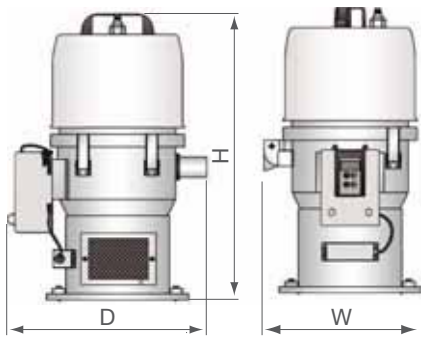
CAL-6U-3



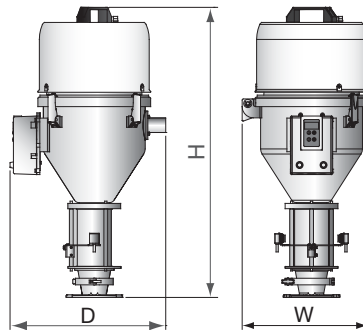
## Loading Capacity



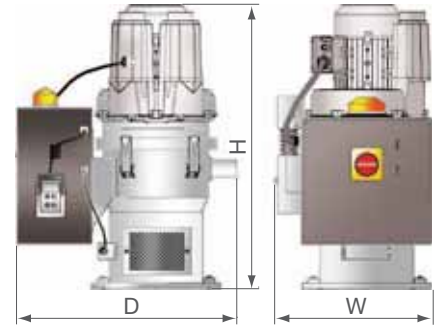
## Outline Drawings



CAL-U



CAL-U-E



CAL-U-3

## Specifications

Model	CAL-1U	CAL-3U	CAL-6U	CAL-12U	CAL-1U-E	CAL-3U-E	CAL-6U-E	CAL-12U-E	CAL-3U-3	CAL-6U-3
Blower Type	Carbon Brush								Inductive	
Motor Power (kW 50/60Hz)	0.46 / 0.55	1.15 / 1.32	1.15 / 1.32	1.15 / 1.32	0.46 / 0.55	1.15 / 1.32	1.15 / 1.32	1.15 / 1.32	0.37 / 0.42	0.75 / 0.85
Conveying Pipe Internal Dia. (in)	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
Conveying Capacity (kg/hr.)	30	200	300	400	30	200	300	400	200	300
Hopper Volume	1	3	6	12	1.5	3	6	12	3	6
Power Supply	1Ø, 115 / 230V, 50/60Hz								3Ø, 230 / 400 / 460 / 575V 50/60Hz	
Auto-Cleaning Function	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Air Accumulator	None	None	Optional	Optional	None	None	Optional	Optional	None	None

## Dimensions

Dimension	CAL-1U	CAL-3U	CAL-6U	CAL-12U	CAL-1U-E	CAL-3U-E	CAL-6U-E	CAL-12U-E	CAL-3U-3	CAL-6U-3
H (mm)	525	555	645	745	630	740	800	935	605	675
W (mm)	270	305	340	340	260	305	340	340	335	370
D (mm)	325	305	410	410	325	370	410	410	475	540
Weight (kg)	10	11	12	14	10	13	16	18	18	33

Note: Conveying Capacity Test Conditions:

1. Bulk density of Plastic material: 0.65kg/
2. Diameter: 3~5mm
3. Vertical conveying height: 4m
4. Horizontal conveying distance: 1m
5. Compressed air supply: 4~6 kgf/cm<sup>2</sup>

We reserve the right to change specifications without prior notice.



# COMET

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