

## Single Vacuum Hopper Loader

*Decreases manual handling and improves efficiency.*

Comet's CAL-UG small central loading system is designed to convey plastic resins and powders, over long distances, from a storage bin or gaylord to two to four separate plastic processing machines or hoppers. The CHR-U central vacuum receivers are compact and offer easy access to all components. The heavy-duty powder coating, industrial duty components and rugged design will stand up to even the harshest operating environments.

### Single Vacuum Hopper Loader Features

- Two stage cyclone and filter technology with large dust collection bin for easy maintenance.
- Stainless steel hopper receiver to ensure no material contamination.
- The controller has independent mixing and shutoff output function.
- Motor load indicator and standard vacuum breaking valve for quick material discharge.
- Air blow-down allows dust removal via a cyclone dust separator.
- Vacuum pump includes safety filter, relief valve and motor control all mounted on industrial frame with leveling feet.
- Cloth vacuum filter with stainless mesh backing.
- Back-up on E-Prom in case of power failure.
- Setting function for regrind mix ratio via an optional CPV-U.
- Audible and visual alarms.

### Options

- Air accumulator provides contamination-free processing for recycled material or for contaminants in the resin (for CAL-5HP-UG and above).
- Two types of filters for powder: bag for 30% powder conveying or plate for 100% powder conveying.
- Set regrind mix ratio function via an optional CPV-U and couple with a quick mixing valve to enhance the mixing effect.
- Buzzer alarm.



CAL-5HP-UG



Vacuum Breaking Valve



CHR-24U



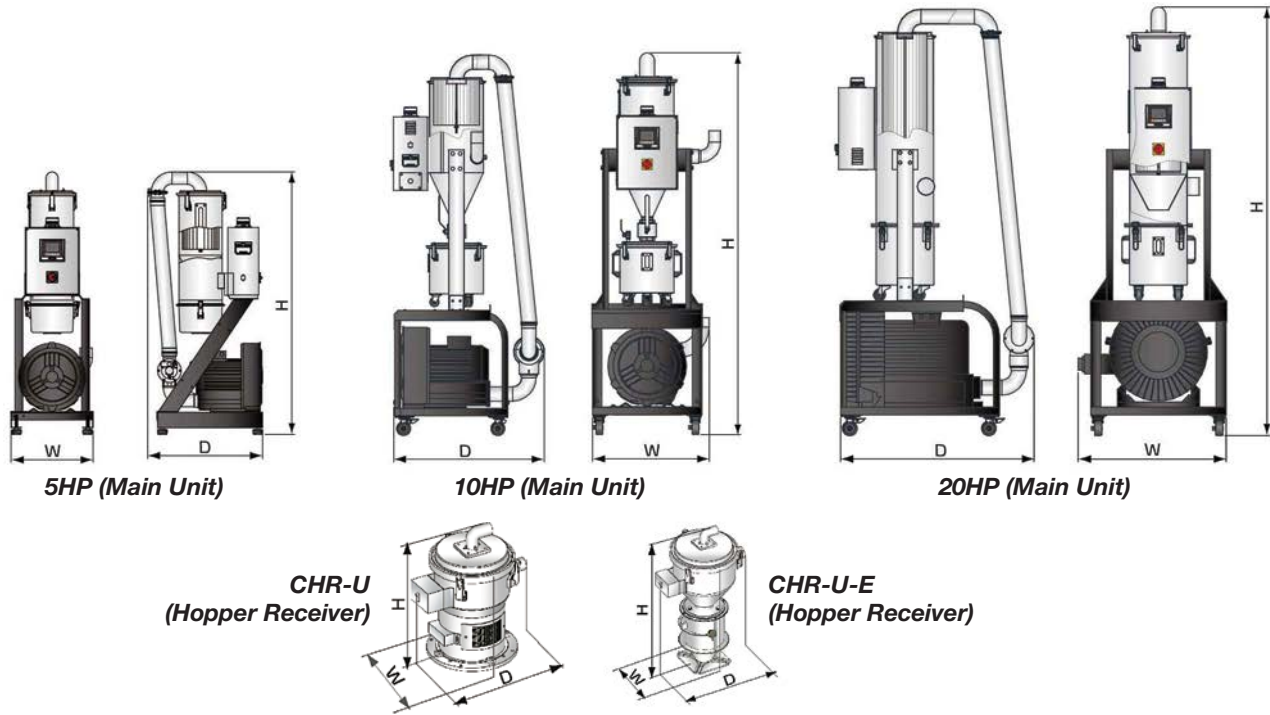
CHR-6U-E



Cyclone Dust Separator



Air Accumulator

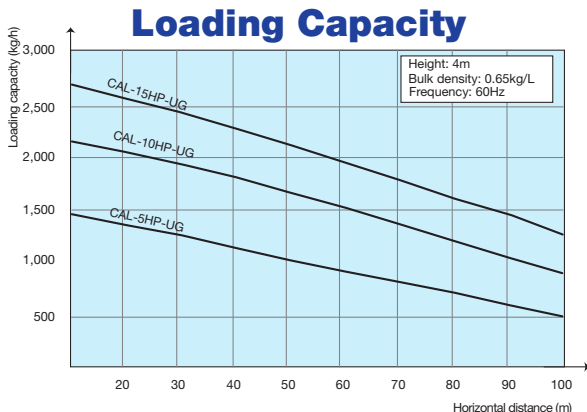


## Specifications

Model	MAIN UNIT				Loading Capacity	Conveying Pipe Dia (inch)	Air Suction Pipe Dia. (inch)	RECOMMENDED HOPPER RECEIVER								
	Motor Power (kW) 50/60Hz	Dimensions H x W x D		Weight				Applicable Model	Hopper Capacity		Dimensions H x W x D		Weight			
		mm	inch						kg	lb	L	Gal	mm	inch	kg	lb
CAL-5HP-UG	3.75 / 4.2	1380 x 470 x 600	54 x 18.5 x 24	74	163	1100	2400	2	2	CHR-24U x 1	24	6.4	690 x 315 x 400	27 x 12 x 16	9	20
CAL-5HP-UG-D	3.4 / 3.8	1380 x 670 x 600	54 x 26 x 24	76	168	1480	3260			CHR-24U-E x 1			1120 x 360 x 400	44 x 14 x 16	13	29
CAL-10HP-UG	7.5 / 8.6	2015 x 620 x 795	79 x 24 x 31	160	353	1600 / 2250	3527 / 4957	2	2.5	CHR-36U x 1	36	9.5	930 x 315 x 400	37 x 12 x 16	11	24
CAL-10HP-UG-D		2015 x 790 x 795	79 x 31 x 31	162	357					CHR-48U x 1			48	12.7	975 x 350 x 485	38 x 14 x 19
CAL-20HP-UG-D	13 / 18.7	2200 x 745 x 1000	87 x 29 x 39	236	520	2700	5950	2.5	3	CHR-48U x 1	48	12.7	975 x 350 x 485	38 x 14 x 19	15	33

- Notes:**
1. D indicates dual stage blower.
  2. CHR-U = vacuum hopper receiver.
  3. CHR-U-E = photosensor hopper with glass tube.
  4. Conveying capacity test condition:  
Bulk density of plastic material: 5.5lb/gal (0.65kg/L)  
Dia.: 0.12~0.2 in (3~5 mm)  
Vertical conveying height: 13.1 ft (4m)  
Horizontal conveying distance: 16.4 ft (5m)
  5. Power supply: 3Ø, 230/400/460/575V, 50/60Hz

We reserve the right to change specifications without prior notice.



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