

Reliable. Accurate. Efficient.

Hi-Cap | Separator



\*Machine pictured included configurable options

**Oliver**<sup>TM</sup>  
Innovate. Build. Repeat.



# Hi-Cap | Separator

## Hi-Cap separator features:

### Operating control

- ▶ Simple and highly effective adjustments
- ▶ Intuitive manual controls
- ▶ Adjustable dual-axis tilt for enhanced quality and capacity
- ▶ Multi-fan system with independent fan dampening control
- ▶ Gauges for side tile, end raise, feed flow, air flow pressure, and eccentric speed\*

### Ease of use

- ▶ All adjustments can be made safely while in operation
- ▶ Separate air system for operation is not required
- ▶ Dust control with an optional full or partial dust hood with exhaust air adjustments
- ▶ Variable Frequency Drive control for easy adjustments of deck eccentric speed
- ▶ High side material bypass gates for process optimization

### Reliability

- ▶ Nearly a century of experience in gravity table engineering and manufacturing
- ▶ Low maintenance for reduced downtime
- ▶ Post-purchase training and machine service packages available
- ▶ Spare parts available to order

### Performance

- ▶ Separates product efficiently
- ▶ Rectangular deck design allows for maximum product separation time
- ▶ Wide range of deck eccentric speed to optimize separation performance
- ▶ Efficient air zone control from initial stratification through final discharge
- ▶ Decks are designed and built to your product specifications with custom overcover and undercover

### Configurations

- ▶ UL/CUL electrical cabinets are available for efficient machine installation and wiring
- ▶ Square-to-round discharge hopper transition for gentle product handling and hookups and easier hookups\*
- ▶ Aspirating feeder removes fine particles and keeps air clean\*
- ▶ Counterbalanced for smooth operation\*, durable coated overcover material, machine setting indicators\*, VFD, Accu-Flo feed gate, discharge options, full or partial dust hood, stainless steel available for food grade products, and other custom configurations available

\*Standard on Master Series.



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# Specifications

Machine model ▶	51	81	161	241
Height	69" (175.3cm)	69" (175.3 cm)	70" (177.8 cm)	72" (182.9 cm)
Width	49" (124.6 cm)	56" (142.2 cm)	62" (157.5 cm)	68" (172.7 cm)
Length	77" (195.6 cm)	90.5" (230 cm)	108.5" (276 cm)	136.5" (347 cm)
Weight	960 lbs (435 kg)	1,200 lbs (544 kg)	1,300 lbs (589 kg)	1,700 lbs (771 kg)
Deck area	26" x 59" (66 cm x 150 cm)	33" x 70" (83 cm x 178 cm)	39" X 88" (99 cm X 224 cm)	45" x 116" (114 cm x 295 cm)
<b>With dust hood</b>				
Height	75" (190.5 cm)	76" (193 cm)	78" (198.1 cm)	80" (203.2 cm)
Width	47" (119.4 cm)	54" (137 cm)	60" (152.4 cm)	66" (167.6 cm)
Length	77" (195.6 cm)	90.5" (226.7 cm)	108.5" (276 cm)	136.5" (346.7 cm)
Weight	1,250 lbs (556 kg)	1,500 lbs (680 kg)	1,700 lbs (771 kg)	2,200 lbs (997 kg)
Amp draw @480/3/60	10 amps	13 amps	18 amps	23 amps
Amp draw @240/3/60	20 amps	26 amps	36 amps	46 amps
Fan Zones	3	4	6	7
Fan control	Manual air gate	Manual air gate	Manual air gate	Manual air gate
Warranty	1 year	1 year	1 year	1 year

# Capacity

Machine model ▶	Density	51		81		161		241	
		lb./hr.	CFM	lb./hr.	CFM	lb./hr.	CFM	lb./hr.	CFM
Brassica	35	600	3,000	1,100	3,500	1,700	4,500	2,150	6,000
Corn	56	3,400	8,500	5,800	10,000	9,600	12,500	14,300	18,000
Garbanzo Beans	63	2,500	8,500	4,300	10,000	7,100s	12,500	10,500	18,000
Fescue	18	600	2,500	900	3,600	1,500	4,800	2,200	5,000
Peas	60	8,500	3,000	5,000	10,000	8,300	12,500	12,400	18,000
Soybeans	60	2,500	8,500	4,300	10,000	7,100	12,500	10,500	18,000
Sunflower	32	1,100	5,500	2,700	7,500	4,500	8,800	6,700	10,000
Wheat	60	2,500	5,500	4,300	7,500	7,100	8,800	10,500	10,000

Capacities are based on the following assumptions:

1. Machine feed rate
2. Light fraction to be removed is assumed to be 5% or less of total incoming products
3. Vary depending upon the bulk density of the product
4. These capacities are estimates only and products can be tested and confirmed at the Oliver laboratory
5. Capacities may change based on particle size and range

For more product capacities, please contact us.

What else can your Oliver do? Find out at [olivermanufacturing.com](http://olivermanufacturing.com).





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