

# HI-CAP GRAVITY SEPARATOR

*Reliable. Accurate. Efficient.*



- Machine Pictured includes Configurable Options



The most iconic gravity separator in the world, Oliver's legendary Hi-Cap Gravity Separator is designed and constructed to deliver decades of reliable and predictable service. The Hi-Cap series separates continuous flow of granular products. Multiple fan zones allow for efficient control of product flow. Decks are designed and built to optimally perform for your specific product. This series is designed for quicker installation, smoother service, easier operation and increased longevity. Add value to your product with the all-time leader in customer satisfaction.

# Oliver<sup>TM</sup>

Processing for a more productive planet.

# HI-CAP GRAVITY 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
- Indicator gauges for side tilt and end raise, feed flow, air flow pressure, and eccentric speed\*



### Ease of Use

- All adjustments can be made safely while machine is in operation
  - Side tilt • End raise • Air flow • Product feed rate • Eccentric speed
- 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 (VFD) control for easy adjustment of deck eccentric speed\*
- High side material bypass gates for process optimization



### Reliability

- Oliver has 90 years' experience in gravity table engineering and manufacturing
- Low maintenance for reduced down time
- Post-purchase training and machine service packages available
- Spare parts are available upon order



### Performance

- Separates products 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, Customizations and Other Options

- UL and CUL electrical cabinets are available for efficient machine installation and wiring
- Square-to-round discharge hopper transition for gentle product handling 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**

# HI-CAP GRAVITY SEPARATOR

## Specifications

MACHINE MODEL	241	161	81	51
Height	72" (182 cm)	70" (178 cm)	69" (175 cm)	69" (175 cm)
Width	68" (172 cm)	62" (157 cm)	56" (142 cm)	49" (124 cm)
Length	136" (345 cm)	108" (274 cm)	90" (229 cm)	77" (196 cm)
Weight	1,700 lbs. (771 kg)	1,300 lbs. (589 kg)	1,200 lbs. (544 kg)	960 lbs. (435 kg)
Deck Area	45" x 116" (114cm x 295cm)	39" X 88" (99cm x 223cm)	33" X 70" (83cm x 178cm)	26" X 58" (66cm x 147cm)
WITH DUST HOOD*				
Height	80" (203 cm)	78" (198 cm)	76" (193 cm)	75" (190 cm)
Width	66" (167 cm)	60" (127 cm)	54" (137 cm)	47" (119 cm)
Length	136" (345 cm)	108" (274 cm)	90" (228 cm)	77" (195 cm)
Weight	2,200 lbs. (997 kg)	1,700 lbs. (771 kg)	1,500 lbs. (680 kg)	1,250 lbs. (566 kg)
Amp draw @ 480/3/60	23	18	13	10
Amp draw @ 240/3/60	46	36	26	20
Fan zones	7	5	4	3
Fan control	manual air gate	manual air gate	manual air gate	manual air gate
Warranty	1 year	1 year	1 year	1 year

## Capacities

MACHINE MODEL	241			161		81		51	
Products	Bulk Density (lbs/bu)	Rate Capacity (lbs/hr)	CFM	Rate Capacity (lbs/hr)	CFM	Rate Capacity (lbs/hr)	CFM	Rate Capacity (lbs/hr)	CFM
Corn	56	14,300	18,000	9,600	12,500	5,800	10,000	3,400	8,500
Soybeans	60	10,500	18,000	7,100	12,500	4,300	10,000	2,500	8,500
Peas	60	12,400	18,000	8,300	12,500	5,000	10,000	3,000	8,500
Wheat	60	10,500	10,000	7,100	8,800	4,300	7,500	2,500	5,500
Garbanzo Beans	63	10,500	18,000	7,100	12,500	4,300	10,000	2,500	8,500
Sunflower	32	7,600	8,500	5,100	6,250	3,100	4,500	1,800	2,800
Fescue	18	2,500	5,000	1,700	4,000	1,100	3,000	600	2,500
Brassica	35	4,200	6,000	2,900	4,500	1,800	3,500	1,100	3,000

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

\*For more product capacities please contact us.



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**Contact Your Oliver Sales Representative Today!**

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