

# MAXI-CAP GRAVITY SEPARATORS

## UNEXCELLED COST EFFICIENCY ON THE HIGHEST VOLUME SEPARATION INSTALLATIONS

Separate the highest capacities of similar-sized materials (seed, grain, precious metals, plastics, stone or sand, ½" in diameter or less) from variations and impurities, by density with outstanding efficiency. Add value to a variety of products with the most copied gravity separator worldwide, and all-time leader in customer satisfaction and longevity. Oliver's legendary Maxi-Cap Gravity Separator is designed and constructed to deliver decades of reliable and predictable service.



- Maximum capacity
- Low maintenance
- Separates greater quantities faster and more efficiently
- Longest warranty in the industry: 3 years
- Fast service and tech support turnaround from our USA plant

# Oliver

Processing for a more productive planet.

Model	2400	3000	3600	4800
Height	92" (234 cm)	96" (244 cm)	96" (244 cm)	102" (259 cm)
Width	100" (254 cm)	108" (274 cm)	112" (284 cm)	124" (315 cm)
Length	134" (340 cm)	135" (343 cm)	158" (401 cm)	194" (493 cm)
Deck Size	48" x 120" (122 x 305 cm)	60" x 120" (152 x 305 cm)	60" x 144" (152 x 366 cm)	72" x 180" (183 x 457 cm)
Weight	5,000 lbs (2,268 kg)	5,400 lbs (2,450 kg)	5,800 lbs (2,631 kg)	7,600 lbs (3,448 kg)
Shipping Tare	6,400 lbs (2,903 kg)	6,800 lbs (3,085 kg)	7,200 lbs (3,266 kg)	9,000 lbs (4,082 kg)

<b>Machine Specifications</b>	<b>2400</b>	<b>3000</b>	<b>3600</b>	<b>4800</b>
Power Requirements @ 480V	26 Amps	26 Amps	33 Amps	46 Amps
Fan Motor Power	15 hp (11.2 kW)	15 hp (11.2 kW)	20 hp (15 kW)	25 hp (19 kW)
Deck Motor Power	1.5 hp (1.1 kW)			
Blender Drive Motor Horsepower	1 hp (.75 kW)			
Hydraulic Pump	0.5 hp (.37 kW)			
Fans:	Multiple fan air supply Individually adjustable for air volume, distribution, speed and airflow Patented fan design for optimal particle concentration			
Safety:	Wiring protection Fully enclosed rotating assemblies OSHA Compliant Machine Guarding OSHA Compliant Catwalks with Handrails			
Screen Options:	Carbon Steel, coated steel and coated mesh Tonne-Cap Stainless Steel available for edible products Ise-Flex Overcover			

## Operations

Control Parameters:	Hydraulically controlled air volume control gates, deck side tilt, end raise (slope) High side material bypass gates for process optimization Electronically controlled eccentric speed Product feed rate (All safely and easily adjustable during operation)
Separation Range:	<5 %, by weight Machine available in 2 configurations depending on light or heavy material configurations. "A" for Heavy "B" for light, reduced fan speed different deck configuration
Dust Control:	Aspirating Feeder Optional Full or Partial Dust Hood with built-in feed and exhaust air adjustments
Discharge Hopper Configuration:	Standard: Three spout Optional: 2-, 4-, or 5-spout hoppers
Maintenance:	Recommended lubrication interval: 12 months or 2,000 hours of operation
Warranty:	3 Years – longest in the industry

## Performance Capacity, Air Flow Requirements

<b>Agricultural Material</b>	<b>2400</b>	<b>3000</b>	<b>3600</b>	<b>4800</b>
Coffee, Green Beans (1/4"-3/8")	15,000 lbs/hr 16,000 CFM	18,000 lbs/hr 18,000 CFM	27,000 lbs/hr 22,000 CFM	40,000 lbs/hr 28,000 CFM
Large Particle (1/4"-3/8") Beans, Corn, Peas, Almonds (10 Mesh Deck)	15,000 lbs/hr 16,000 CFM	22,000 lbs/hr 18,000 CFM	30,000 lbs/hr 22,000 CFM	42,000 lbs/hr 28,000 CFM
Med. Particle (1/8"-1/4") Wheat, Oats, Popcorn (16 Mesh)	12,000 lbs/hr 10,000 CFM	16,000 lbs/hr 12,000 CFM	24,000 lbs/hr 15,000 CFM	33,000 lbs/hr 20,000 CFM
Small Particle (1/16"-1/8") Alfalfa, Millet, Sesame (30 Mesh)	5,000 lbs/hr 6,000 CFM	7,000 lbs/hr 7,000 CFM	10,000 lbs/hr 10,000 CFM	12,000 lbs/hr 14,000 CFM

\*Cereal Grains are a class of their own. Weight varies from 60 lb/Bu to 30 lb/Bu. Size variation is greater than 2:1 depending on commodity. Capacities vary with size and density.

\*Sunflowers, Oilseed and Confectionary, are also a special class. Weights from 40-15 lb/Bu and sizes from 3/4" down to 1/4". Capacity based on experience.

## Options include:

- Platinum Package (Power Hydraulics, Process Automation and all controls Memory Recall)
- Variable Frequency Drive of Fans
- Coated, Stainless Steel, Ise-Flex, or Tonne-Cap Over covers
- Full or Partial Dust hoods
- Installation-Ready Single point Connection Electrical panels
- Worldwide motor voltages
- Vibratory or Accu-Flo Pneumatic feeders
- All Stainless Steel contact points for food applications
- Custom Discharge Hoppers
- Custom Catwalks
- Custom Control Location
- Available as right or left hand configuration

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