

# MAXI-CAP DESTONERS

# Oliver™

Processing for a more productive planet.

## HIGHEST CAPACITY REMOVAL OF HEAVY IMPURITIES FROM BULK PRODUCT

Separate high capacities of lighter harvest desirables (seed, grain, precious metals, plastics or minerals ½" in diameter or less) from heavy contaminants (such as glass, dirt, stones and metal) with outstanding efficiency. Add value and minimize process losses and equipment damage on a variety of products with the most precise destoner on the market: Oliver's legendary *Maxi-Cap*.

- Active counterbalance for smooth operation
- Hydraulic control over air and side- and end-raise adjustments
- Multiple fans for better fluidization and stratification
- Longest warranty in the industry — 3 years
- Aspirating feeder
- Fast service and tech support turnaround from our USA plant



Model	305	605	905	1205
Height	96" (244 cm)	96" (244 cm)	96" (244 cm)	96" (244 cm)
Width	54" (137 cm)	90" (229 cm)	126" (320 cm)	162" (412 cm)
Length	92" (234 cm)	92" (234 cm)	92" (234 cm)	92" (234 cm)
Weight	1,700 lbs (771 kg)	3,200 lbs (1,451 kg)	4,800 lbs (2,177 kg)	6,300 lbs (2,857 kg)
Shipping tare	2,000 lbs (907 kg)	3,500 lbs (1,588 kg)	5,000 lbs (2,267 kg)	6,600 lbs (2,993 kg)

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Machine specifications	305	605	905	1205
Power requirements @ 480v	11 Amps	20 Amps	25 Amps	31 Amps
Fan motor horsepower	5 hp	10 hp	15 hp	20 hp
Deck motor horsepower	1 hp	1.5 hp	1.5 hp	1.5 hp
Hydraulic pump	5 hp	5 hp	5 hp	5 hp

## Fans

- Multiple fan air supply
- Air volume and distribution individually adjustable for airflow on certain models
- Patented fan design for optimal particle concentration

## Safety

- 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
- Iso-Flex overcover

## Operations

Control parameters	<ul style="list-style-type: none"> <li>• Air gates for air volume and distribution</li> <li>• Eccentric motion speed</li> </ul> (All safely adjustable during operation)	<ul style="list-style-type: none"> <li>• Product feed rate</li> <li>• Deck tilt</li> </ul>
Separation range	<ul style="list-style-type: none"> <li>• &lt;5% by weight</li> </ul>	
Dust control	<ul style="list-style-type: none"> <li>• Aspirating feeder</li> <li>• Optional full or partial dust hood enclosures</li> </ul>	<ul style="list-style-type: none"> <li>• Built-in feed and exhaust air adjustments</li> </ul>
Discharge hopper configuration	<ul style="list-style-type: none"> <li>• Standard — single spout for light materials</li> <li>• Standard — second discharge hopper for heavy materials</li> </ul>	
Maintenance	<ul style="list-style-type: none"> <li>• Recommended lubrication interval — 12 months or 2,000 hours of operation</li> </ul>	
Warranty	<ul style="list-style-type: none"> <li>• 3 years — longest in the industry</li> </ul>	

## Performance — capacity, air flow requirements

Materials	305	605	905	1205
Extra large particle (3/8" – 1/2")	5,500 lbs/hr	11,000 lbs/hr	14,250 lbs/hr	22,000 lbs/hr
Wood chips	3,000 CFM	6,000 CFM	9,000 CFM	12,000 CFM
Large particle (1/4" – 3/8")	15,000 lbs/hr	30,000 lbs/hr	45,000 lbs/hr	60,000 lbs/hr
Beans, corn, peas, coffee, almonds	4,200 CFM	10,000 CFM	17,000 CFM	25,000 CFM
Medium particle (1/8" – 1/4")	10,000 lbs/hr	20,000 lbs/hr	30,000 lbs/hr	40,000 lbs/hr
Wheat, oats, corn	3,000 CFM	7,000 CFM	12,000 CFM	17,000 CFM
Smaller wood chips (1/8" or smaller)	4,500 lbs/hr	9,000 lbs/hr	13,000 lbs/hr	18,000 lbs/hr
	2,000 CFM	4,500 CFM	8,200 CFM	12,000 CFM
Small particle (1/16" – 1/8")	5,000 lbs/hr	10,000 lbs/hr	15,000 lbs/hr	20,000 lbs/hr
Alfalfa, millet, sesame	2,000 CFM	4,500 CFM	8,200 CFM	12,000 CFM

\*Cereal grain capacities vary with size and density. Large weight variations, from 30 lb/Bu to 60 lb/Bu, and size variation greater than 2:1 depending on commodity make linear volume quantification difficult.

\*Sunflowers, oilseed and confectionery typically experience variations in weight from 15 – 40 lb/Bu and size from 1/4" up to 3/4", making accurate capacity predictions difficult.

\*Wood chips are lighter than seed, with larger size ranges. Volumetric capacities meet or exceed those of seed and grain, tonnage is usually one-third or less.

\*Dirt, stones and minerals are heavier than all, typically 75 – 150 lb/Bu (60 – 120 lb/CuFt). Sizes are generally small but can be as large as beans or corn. Capacities should be determined on individual experience and application.

## Options include

- All stainless steel contact points for food applications
- Dust hoods
- Automated pneumatic stone trap discharge gates
- Vibratory or Accu-Flo pneumatic feeder
- Worldwide motor voltages
- Coated, stainless steel, Iso-Flex or Tonne-Cap overcovers
- Installation-ready, single-point connection electrical panels
- Variable frequency drive of fans