

**POWERFUL BUT GENTLE MOISTURE REMOVAL
NOW SIZED FOR ANY OPERATION**

Model	DVX 307	DVX 410	DVX 512	DVX 616
Air / fan sections	2	2	3	3
Number of fans	2	4	6	6
CFM maximum	9,000	18,000	27,000	32,000
Estimated water removal @130°	150 lbs / hr	332 lbs / hr	500 lbs / hr	800 lbs / hr
Estimated capacity (refers to soybeans) ambient*	315 lbs / min	600 lbs / min	900 lbs / min	1,440 lbs / min
Estimated power required @480 Volt 3 Phase	60 A**	65 A	70 A	70 A

Specifications for Automated Models

*Temperature and humidity can cause capacity variation

**240 Volt 3 Phase

Mesh size

- Stainless steel 8 mesh (standard corn and soybeans)
- 6 – 60 mesh available

Oliver Fluidized Bed Dryers process from 315 lbs / min all the way up to 1,440 lbs / min, removing as much as 800 lbs of moisture an hour. Incoming air can be ambient, heated, cooled and / or conditioned. (Temperature and humidity of incoming air affects the performance you will observe. For instance, air heated to 110°F will remove more than 7 times as much water as ambient air at 50°F.)



Oliver DVX 307



**DRYING SOLUTIONS THAT REDUCE CLUMPING
AND IMPROVE FLOWABILITY**

Oliver *Fluidized Bed Dryers* remove the moisture to keep your seed treating and packaging process in motion.

Make the most of treatments with the technology that speeds your process and makes seeds look, move and perform the way they should. Oliver Fluidized Bed Dryers prevent product clumping, simplify cleanup and improve finished appearance while cutting dry time to a fraction.

Available in fully automated versions, the Fluidized Bed Dryer helps you accelerate your process and get full value from the latest seed processing applications.

- Improve coating and treatment effectiveness and appearance
- Maintain flow throughout the process
- Minimize cleanup, eliminate clumping
- Significantly improve the treating and packaging process
- Add value and performance
- Longest warranty in the industry — 3 years



Oliver DVX 512

Model	DVX 307	DVX 410	DVX 512	DVX 616
Height with dust hood	82"	90"	94"	105"
Width with electrical panel	66"	60"	70"	110"
Length	117"	144"	174"	260"
Deck size	36" x 84"	48" x 120"	60" x 144"	72" x 207"
Weight	2,850 lbs	4,000 lbs	5,600 lbs	7,600 lbs

REDUCE MOISTURE, ENHANCE TREATMENT

The Oliver Fluidized Bed Dryer is designed to improve the consistency, appearance and benefits of seed treatments. Using a combination of air in motion through a vibrating, tilted table, seed flow is converted to a "fluidized" suspension, making gentle, uniform drying possible. Product flows smoothly across the dryer in a continuous, uninterrupted stream, supported by a gentle column of ambient or enhanced air.

By precisely controlling seed flow, air speed and temperature, the operator can uniformly dry seeds straight out of the seed treater. The Fluidized Bed Dryer seals the treatment and locks in performance.

MAXIMIZED SEED VALUE AND PERFORMANCE

Air suspension drying enhances the effectiveness of each treatment investment and opens the door to new ones. Gentle agitation prevents erosion of surface treatments and leaves a clean, polished rich color appearance throughout the processed seed batch.



Oliver DVX 307
installed with custom-built catwalk

IMPROVED PRODUCT FLOW

Shorten your batch processing time and boost plant throughput. Effectively dried seed eliminates clumping in containers and adhesion to the processors, conveyors and packaging equipment, therefore reducing cleanup time.



Treated only



Dried seed

AUTOMATED CONVENIENCE AND REPEATABILITY

Optional automated operation provides instant, centralized operator setup, recall and control via touchscreen and joystick over all parameters: product flow rate (and table dwell time), air volume, air temperature and product humidity.

- Centralized touchscreen control.
- Memorized setup for instantaneous startup and minimal product loss.
- Multiple preset, preloaded routines.
- Adjustments can be retained in the memory, such as seed type, size, chemical formulation, capacity and cleanout at the end of the seed lot.
- Allen-Bradley™ electronics for integration with plant automation.

LEGENDARY OLIVER RELIABILITY

For over 80 years, Oliver has maintained a constant improvement policy on the equipment we patented. We have 15 years of experience in Fluidized Bed Dryers alone, and this is the first fully automated unit available anywhere. Many of the machines we manufactured in the 1930s are still in use today. Allen-Bradley electronics are supported worldwide by Rockwell Tech Support.

From our sole manufacturing plant and headquarters in Colorado, Oliver has built a worldwide reputation for outstanding hardware and dedicated, responsive service.

For more information, please contact us directly at 888.254.7813

