Fluidized Bed Dryer

*Machine pictured included configurable options

Oliver™

Innovate. **Build. Repeat.**

Fluidized Bed Dryer

Dryer features:

Heating options

- Electric
- Flame
- Propane
- Steam
- Water

Operating control

- VFD/HIM remote control functions
- Independent zone controls
- Machine-mounted operator console

Ease of use

- Variable Frequency Drive (VFD) control for easy adjustment of fan speed
- Separate air system for operation is not required
- Fluidization prevents erosion of the treated seed

Performance

- Fluidizes and dries treated seed and untreated product(s) evenly
- Decks are designed and built to product specification with custom overcover and undercover screen size determined for application need
- Efficient air zone control from initial stratification through final discharge
- Removes as much as 800 pounds of moisture per hour

Configurations

- UL and CUL electrical cabinets are available for efficient machine installation and wiring
- Custom scalp screen available to add an extra mode to prevent clumping at discharge
- Heated dryer package options available: steam, water, natural gas, propane, and electric

Treated vs. non-treated seed

Treated sunflower seeds

Treated corn

Treated soy beans

Treated wheat

Treated rice

Treated cucumber

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Specifications

Machine model ▸	FBD 307	FBD 410	FBD 512	FBD 616
Height	82” (209 cm)	84” (213 cm)	94” (239 cm)	105” (268 cm)
Width	68” (173 cm)	64” (163 cm)	76” (193 cm)	110” (279 cm)
Length	114” (290 cm)	154” (391 cm)	196” (498 cm)	260” (660 cm)
Weight	2,850 lbs (1,293 kg)	4,000 lbs (1,814 kg)	5,600 lbs (2540 kg)	7,600 lbs (3,447 kg)
Deck size	36” x 84” (91 cm x 213 cm)	48” x 120” (122 cm x 305 cm)	60” x 144” (152 cm x 366 cm)	72” x 207” (183 cm x 526 cm)
Air/fan zone	2	2	3	3
CFM maximum	9,000 (255 m^3/m)	18,000 (510 m^3/m)	27,000 (765 m^3/m)	32,000 (906 m^3/m)
Estimated water removal	150 lbs/hr (68 kg/hr)	332 lbs/hr (151 kg/hr)	500 lbs/hr (227 kg/hr)	800 lbs/hr (363 kg/hr)
Estimated capacity (soy) ambient*	315 lbs/min (143 kg/min)	600 lbs/min (272 kg/min)	900 lbs/min (408 kg/min)	1,440 lbs/min (653 kg/min)
Estimated power @ 480V 3 Phase	40A	45A	70A	110A
Warranty	1 year	1 year	1 year	1 year

Oliver FBD 410 Dryer

* Temperature and humidity can cause capacity variation

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