

**SPECIFICATIONS**  
**MODEL AB-250A GRAIN DRYER**

**TYPE:** Staged automatic, with automatically controlled fan-heater unit for high and low heat drying stages; dry and cool (three stages) or full heat (two stages).

**GRAIN COLUMNS:** Two 14" thickness grain columns, with perforated panels for uniform air flow.

**FAN:** Heavy duty axial fan with air volume, horsepower, and static pressure matched to dryer size; automatically controlled, with full overload protection, single or three phase.

**HEATER:** High capacity heater, with Star-Fire burner, full electric ignition, and thermostat control of high and low fire drying temperatures; available for liquid propane (with vaporizer), or natural gas.

**AUGERS:** Top leveling auger and bottom discharge auger, automatically controlled; with power circuits provided for loading and take-away conveyors, with overload protectors for each motor. Bottom auger drive available with three different discharge rates, from 2530 BPH to 1130 BPH.

**AUTO CONTROL:** Automatic control of all functions - loading, drying, cooling, unloading; automatic reset timer; full safety control circuits; automatic shutdown on wet grain outage or excessive temperature; moisture check thermostat control circuit; unload delay control for alternate use of dry grain conveyor; hour meter; cycle counter.

**DRYER CIRCUIT MONITOR:** Equipped with new 8-channel detector system to identify cause of safety shut-down.

Total Holding Capacity Grain Columns	250 bushels by volume. 10 feet length, 2 columns, 14" thickness.
Dimensions	
Less Transport: Length Width	17" (fan front to rear of loading and unloading hopper). 7'-11-1/2" (overall width).
Height	12'-8-1/8" (Base to top of loading hopper with cover installed).
With Transport: Length Width Height	19'-14" (hitch to rear of loading and unloading hoppers). 7'-11-4" (overall width). 13'-4 1/4" (overall height, loading hopper cover removed).
Fan Heater	1 Fan, 10-16 HP each, 1750 RPM, 36" diameter. 1 Heater, 4,600,000 BTU/Hour maximum capacity.
Top Loading Auger	8" diameter, 3 HP, combination belt & chain drive, 1785 BPH
Bottom Auger:	8" dia., 10" discharge tube, combination belt and chain drive.
Max. Discharge Rate	5 HP, 2530 BPH
Standard Discharge Rate	3 HP, 1900 BPH
Min. Discharge Rate	3 HP, 1130 BPH
Electrical Load:	
Max. Running Amps.	
Single Phase, 230 V.	130A. (one fan, top auger and 7 1/2 HP aux. loading conveyor).
Three Phase, 220 V.	76 A. (one fan, top auger, and 10 HP aux. loading conveyor).
Drying Capacity:	
Dry and Cool, 25 to 15%	200 BPH
Dry and Cool, 20 to 15%	260 BPH
Full Heat, 25 to 15%	265 BPH
Full Heat, 20 to 15%	375 BPH
Dry and Cool, 25 to 15%	170 BPH
Dry and Cool, 20 to 15%	218 BPH
Full Heat, 25 to 15%	228 BPH
Full Heat, 20 to 15%	295 BPH
	Capacities based upon wet bushels of shelled corn, excluding load and unload time.
	Capacities based upon wet bushels of shelled corn and operation with maximum discharge rate and maximum loading rate