




EFFICIENT IN - BIN DRYING SYSTEM



In-Bin Grain Drying System

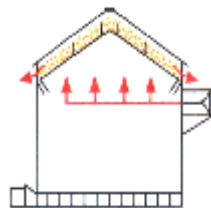
-  In-Bin Grain Drying System blends proven drying technology with innovative Lambton features for optimum drying performance and uniformity
- Available with bins 21', 24', 30', or 36' diameters and up to 11 tiers (rings) tall
- Handle most types of grains
Possible Grain drying capacity: over 1,000 bushels per hour
- All-galvanized STEEL construction for low maintenance and durability




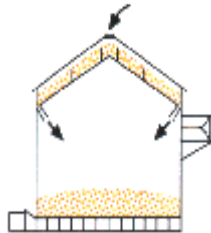
AFD Digital Controller

The AFD Digital Control center offers control of dry time, cool time and grain temperature (Moisture). Also indicates when drying chamber and storage area are filled.

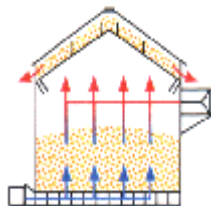
How The System Works



1. **Wet grain** is loaded into the  overhead drying chamber. Dryer unit in upper sidewall forces moisture from grain up and out of bin through Roof Vent System.



2. **After drying** to pre-determined moisture level, grain is released to storage/cooling area below. Drying chamber is then refilled with wet grain.



3. **Cooling fan** operates continuously to cool dried grain. Lambton's Ultra Dry System also recycles exhaust heat from the cooling grain below through wet grain above in drying chamber. Thus improving dryer efficiency.

BUILDING ON EXPERIENCE



**MANUAL BATCH
DRYING RATES (SHELLED CORN)**

Fan & Heater	Plenum temp. (Fahrenheit)	Moisture content %	21' - 1 fan 700 BU/CAP BU/HR	Batch Time Hours	24' - 1 fan 1000 BU/CAP BU/HR	Batch Time Hours	30' - 1 fan 1500 BU/CAP BU/HR	Batch Time Hours	30' - 2 fan 1500 BU/CAP BU/HR	Batch Time Hour	36' - 1 fan 2100 BU/CAP BU/HR	Batch Time Hours	36' - 2 fan 2100 BU/CAP BU/HR	Batch Time Hours
38" 15HP	140	20%	356	2.1	398	2.5	469	3.3	733	2.0	520	4.1	840	2.6
		25%	225	3.3	262	3.8	282	5.1	460	3.4	329	6.5	532	4.0
		30%	140	5.2	160	6.0	183	8.2	285	5.3	205	10.1	336	6.5
38" 15HP	160	20%	425	1.8	488	2.1	544	2.7	877	2.0	621	3.4	1003	2.1
		25%	269	2.7	314	3.2	340	4.5	561	2.8	393	5.4	635	3.4
		30%	167	4.4	190	5.0	217	6.9	344	4.4	248	8.7	398	5.4
38" 15HP	180	20%	546	1.5	600	1.7	683	2.5	999	1.5	695	3.5	1288	1.6
		25%	356	2.2	376	2.7	408	3.7	695	2.2	438	5.1	815	2.7
		30%	285	3.5	237	4.1	255	5.9	445	3.6	275	8.2	505	4.2
44" 15HP	140	20%			486	2.0	565	2.6			650	3.3	1020	2.1
		25%			311	3.2	367	4.1			410	5.2	645	3.3
		30%			200	5.0	232	6.6			255	8.4	400	5.3
44" 15HP	160	20%			588	1.7	663	2.3			776	2.8	1220	1.7
		25%			376	2.7	433	3.4			493	4.4	772	2.7
		30%			237	4.2	277	5.5			306	7.1	480	4.5
44" 15HP	180	20%			735	1.5	866	2.0			891	2.6	1560	1.5
		25%			452	2.0	547	2.8			560	4.0	990	2.2
		30%			281	3.4	330	4.5			350	6.6	620	3.5
44" 30HP	140	20%					550	2.9			710	2.9		
		25%					380	4.0			460	4.8		
		30%					240	6.2			280	7.0		
44" 30HP	160	20%					670	2.4			850	2.8		
		25%					430	3.5			538	4.1		
		30%					285	5.3			340	6.6		
44" 30HP	180	20%					790	1.9			1090	2.1		
		25%					535	2.8			690	3.2		
		30%					348	4.3			480	4.5		

*Note: Above Capacities are to be used as a Guide only based on 50°F ambient temperature & 65% relative humidity. Variables in conditions will effect capacity.

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