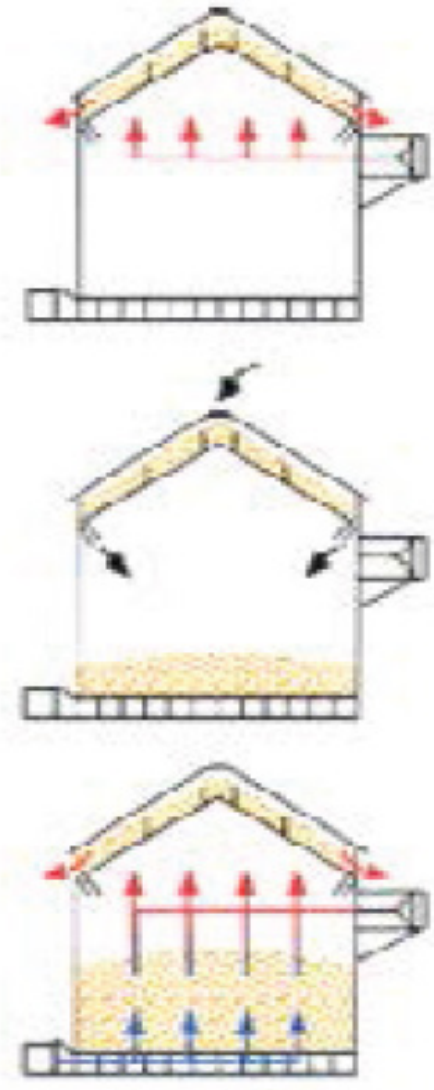
IN-BIN GRAIN DRYING SYSTEM

- In-Bin Grain Drying System blends proven drying technology with innovative Lambton features for optimum drying performance and uniformity
- Available with bins sizes 21', 24', 30' or 36' and up to 11 tiers (rings) tall
- It can handle most types of grain with potential grain drying capacity over 1,000 bushels per hour
- It comes in all galvanized steel construction for low maintenance and durability



HOW THE SYSTEM WORKS

- Wet grain is loaded into the ultra dry overhead drying chamber. The drying unit has to force moisture from grain up and out of the bin through the Roof Vent System
- Grain is released to storage/cooling area after drying to a pre-determined moisture level. Drying chamber is then refilled with wet grain.
- The Cooling fan operates continuously to cool the dried grain. Lambton's Ultra Dry System recycles the heat from the cooling grain, thus improving dryer efficiency

MANUAL BATCH DRYING RATES

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 Hour	30'-2 fan 1500 BU/ CAP BU/ HR	Batch Time Hour	36'-1fan 2100 BU/ CAP BU/ HR	Batch Time Hour	36' - 2 fan 2100 BU/ CAP BU/ HR	Batch Time Hour
38" 15HP	140	20%	356	2.1	398	2.5	469	3.3	733	2	520	4.1	840	2.6
		25%	225	3.3	262	3.8	282	5.1	460	3.4	329	6.5	532	4
		30%	140	5.2	160	6	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	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	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	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	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			891	2.6	1560	1.5
		25%			452	2	547	2.8			560	4	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			460	4.8		
		30%					240	6.2			280	7		
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		

Bin Diameter	Batch Cap. Max Bu	# of Rings	Max Storage Bu	lb.	kg	Eave Height	Peak Height
21	730	5	3600	9710	4414	18' 6"	26'
	730	6	4670	10058	4572	22' 3"	29' 6"
	730	7	5720	10885	4948	25' 10"	33' 5"
	730	8	6780	11232	5106	29' 6"	37'
	730	9	7840	12287	5585	33' 2"	40' 8"
	730	10	8900	13249	6022	36' 10"	44' 4"
24	1000	5	4790	11638	5290	18' 6"	26' 8"
	1000	6	6130	12035	5471	22' 3"	30' 3"
	1000	7	7520	13104	5957	25' 10"	33' 12"
	1000	8	8910	13626	6194	29' 6"	37' 8"
	1000	9	10290	14832	6742	33' 2"	41' 3"
	1000	10	11680	15558	7072	36' 10"	44' 11"
30	1500	5	7380	16976	7717	18' 6"	28' 6"
	1500	6	9540	17628	8013	22' 3"	32' 3"
	1500	7	11700	19074	8670	25' 10"	35' 10"
	1500	8	13870	19834	9016	29' 6"	39' 6"
	1500	9	16030	21356	9707	33' 2"	43' 2"
	1500	10	18200	22117	10053	36' 10"	46' 10"
36	2100	6	13760	25413	11551	18' 6"	30' 5"
	2100	7	16875	27260	12391	22' 3"	34'
	2100	8	19990	28152	12796	25' 10"	37' 9"
	2100	9	23100	30297	13771	29' 6"	41' 5"
	2100	10	26200	31684	14402	33' 2"	45'
	2100	11	29300	33996	15453	36' 10"	48' 8"

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