

Corn Chart

Bin Size & Air Flow						
Bin Size	Fan H.P.	Drying Rate Multiplier*		CFM for 1 Fan	Static Pressure for 1 Fan	
		For More Fans				
		2 Fans	3 Fans			
18	5	1.2	NA	6,600	3.5	
	7.5	1.2	NA	7,100	3.9	
21	5	1.2	NA	8,100	3	
	7.5	1.2	NA	9,100	3.6	
	10	1.2	NA	9,200	3.6	
	13	1.2	NA	10,600	4.5	
24	7.5	1.3	NA	10,200	2.8	
	10	1.2	NA	11,000	3.2	
	10C	1.5	NA	11,300	3.3	
	13	1.3	NA	12,000	3.6	
	15C	1.4	NA	13,100	4.1	
	20C	NA	NA	15,500	5.3	
27	7.5	1.4	NA	10,900	2.2	
	10C	1.6	NA	12,000	2.5	
	10	1.3	NA	12,200	2.6	
	13	1.4	NA	13,100	2.9	
	15C	1.5	NA	14,100	3.2	
	20C	1.5	NA	16,600	4.2	
	30C	1.3	NA	19,200	5.2	
	30	7.5	1.6	NA	11,400	1.7
		10C	1.7	NA	12,500	2
		10	1.5	NA	12,900	2.1
13		1.5	NA	13,900	2.3	
15C		1.6	NA	14,900	2.6	
20C		1.6	NA	17,600	3.3	
30C		1.6	NA	20,300	4.1	
33		10C	1.7	NA	12,800	1.6
	10	1.6	NA	13,200	1.6	
	13	1.6	NA	14,600	1.9	
	15C	1.6	NA	15,400	2	
	20C	1.6	NA	18,400	2.6	
	30C	1.6	NA	21,200	3.3	
36	10C	1.8	NA	13,100	1.3	
	10	1.7	NA	13,500	1.3	
	13	1.7	NA	15,000	1.5	
	15C	1.7	NA	15,800	1.6	
	20C	1.7	NA	18,900	2.1	
	30C	1.7	NA	21,800	2.6	
42	10	1.8	2.4	13,800	0.9	
	13	1.8	2.3	15,600	1.1	
	15	1.8	2.4	16,400	1.1	
	20C	1.8	2.4	19,500	1.4	
	30C	1.8	2.4	22,600	1.8	
	40C	1.8	2.4	26,400	2.2	
	48	10	1.9	2.7	13,900	0.6
13		1.8	2.5	16,000	0.8	
15C		1.9	2.6	16,700	0.8	
20C		1.9	2.6	19,900	1	
30C		1.8	2.5	23,100	1.2	
40C		1.9	2.6	26,800	1.5	
50C		1.8	2.4	31,600	1.9	

Corn Drying Capacity (BU/24 hrs.) & Recommended Number of Augers									
Drying Capacity (BU/24 hrs.) and Recommended Number of Stirring Augers Heat Rise Above Ambient Temperature									
25°	Augers	50°	Augers	75°	Augers	100°	Augers	125°	Augers
360	1	750	1	1100	2	1480	2	1850	3
490	1	810	1	1180	2	1590	2	1990	3
450	1	920	2	1350	2	1810	3	2270	3
500	1	1030	2	1520	2	2030	3	2560	3
510	1	1040	2	1530	2	2060	3	2580	3
580	1	1200	2	1770	3	2370	3	2980	3
560	1	1160	2	1700	3	2280	3	2860	4
610	1	1250	2	1830	3	2460	3	3090	4
620	1	1280	2	1880	3	2530	3	3170	4
660	1	1360	2	2000	3	2680	3	3370	4
720	1	1490	2	2180	3	2930	4	3680	4
850	2	1760	3	2580	3	3460	4	4350	4
600	1	1240	2	1820	3	2440	3	3060	4
660	1	1360	2	2000	3	2680	3	3370	4
670	1	1380	2	2030	3	2730	3	3430	4
720	1	1490	2	2180	3	2930	4	3680	4
780	2	1600	2	2350	3	3150	4	3960	4
910	2	1880	3	2770	3	3720	4	4660	4
1060	2	2180	3	3200	4	4290	4	5390	4
630	1	1290	2	1900	3	2550	3	3200	4
690	2	1420	2	2080	3	2790	4	3510	4
710	1	1460	2	2150	3	2880	4	3620	4
760	2	1580	2	2320	3	3110	4	3900	4
820	2	1690	3	2480	3	3330	4	4180	4
970	2	2000	3	2940	4	3930	4	4940	4
1120	2	2300	3	3390	4	4540	4	5700	4
700	1	1450	2	2130	3	2860	4	3590	4
730	1	1500	2	2200	3	2950	4	3710	4
800	2	1660	2	2430	3	3260	4	4100	4
850	2	1750	3	2570	3	3440	4	4330	4
1010	2	2090	3	3070	4	4110	4	5170	4
1170	2	2400	3	3530	4	4740	4	5950	4
720	1	1490	2	2180	3	2930	4	3680	6
740	1	1530	2	2250	3	3020	4	3790	6
830	2	1700	3	2500	3	3350	6	4210	6
870	2	1790	3	2630	4	3530	6	4440	6
1040	2	2140	3	3150	6	4220	6	5310	6
1200	2	2470	3	3630	6	4870	6	6120	6
760	2	1560	2	2300	3	3080	6	3880	6
860	2	1770	3	2600	3	3490	6	4380	6
900	2	1860	3	2730	4	3670	6	4610	6
1070	2	2210	3	3250	6	4360	6	5480	6
1240	2	2560	3	3770	6	5050	6	6350	6
1450	3	2990	4	4400	6	5900	6	7410	6
760	2	1580	2	2320	3	3110	6	3900	6
880	2	1810	3	2670	6	3580	6	4490	6
920	2	1890	3	2790	6	3730	6	4690	6
1100	2	2260	3	3320	6	4450	6	5590	6
1270	3	2620	6	3850	6	5160	6	6490	6
1470	3	3040	6	4470	6	5990	6	7530	6
1740	3	3580	6	5270	6	7060	6	8800	6

*All multiple fans are in parallel. Multiply drying rates x .66 for 10 point removal. Multiply drying rates x 1.61 for 4 point removal. All multiple fan static pressures (where multipliers are shown) fall within acceptable performance guidelines.

This chart is based on ambient air temperature of 80° F, 60% relative humidity. This chart is designed as a guide only. Fan performance will vary considerably from one manufacturer to another and other factors can change the approximate bushels per day. Choose from Stir-Ator models with two or three augers to fit bins from 18 feet to 48 feet. Each model gives you all the exclusive Stir-Ator features that can turn a simple bin into a wet-holding tank, dryer, and storage bin - all in one unit.