



AGI

MIXED FLOW DRYER



AGI MIXED FLOW DRYER

The AGI grain dryer utilizes a mixed flow design which has enabled it to be one of the most efficient dryers on the market. The dryer's screenless operation and computerized moisture control deliver consistently higher quality grain and heavier test weights per bushel, translating into maximum return on investment.

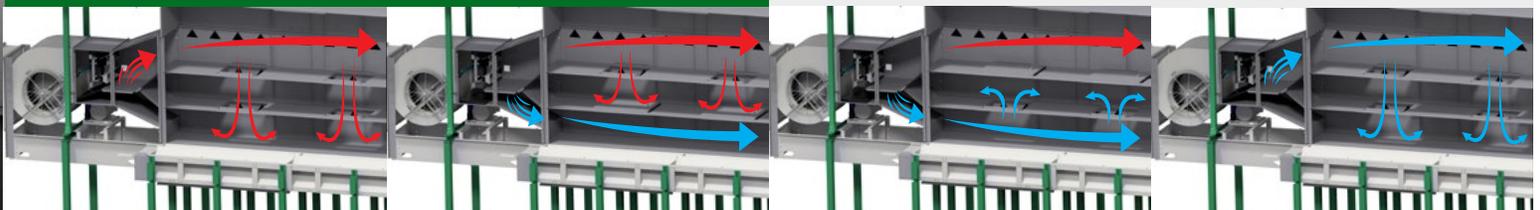
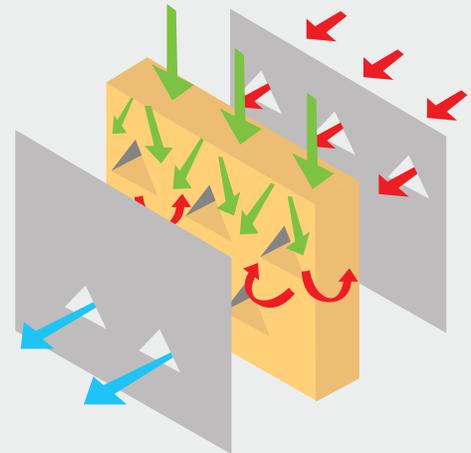
Each dryer section is factory tested and thoroughly inspected before shipping. We also provide hands-on technical service dryer training to our dealers to ensure you get the most out of your AGI dryer.

MIXED FLOW DRYING PROCESS FEATURES

- Maintains the highest grain quality
- Allows for easy air and grain mixing throughout the drying process
- Consistent kernel to kernel moisture across the grain column
- Long retention time allows the grain to dry slowly, resulting in higher test weights
- Quiet centrifugal fans

FLEXIBLE OPERATION CAPABILITY

- Allows dryer to run in all heat or heat and cool modes on single burner dryers
- For multiple burner dryers:
 - Individual temperature settings for each burner adds unrivaled flexibility
 - Multiple options for drying include all heat, heat and cool, steeping or sweating



ALL HEAT

HEAT & COOL ONE TIER

HEAT & COOL TWO TIER

ALL COOL

ADDITIONAL FEATURES

- No screens to clean or get plugged, so airflow is maintained throughout drying season
- Suitable for most crops from corn to canola
- Up to 30% more fuel efficient than conventional screen dryers
- Heavy gauge G-90 galvanized material for longevity
- Optional drag conveyors available

BLOWER AND UNLOAD VFDs (VARIABLE FREQUENCY DRIVES)

- Blower VFDs provide additional control of airflow to suit the crop and drying conditions
 - Standard for single-phase applications
 - Optional for three-phase applications
- Unload VFDs can be used to fine-tune the unload speed to minimize grain damage
 - Standard with drag unloads
 - Optional with auger unloads

PRE-CLEANER SYSTEM*

- Remove beeswings, fines, and chaff before grain enters the dryer
- No need to increase overall dryer height or upgrade filling equipment
- Integrated touchscreen controls allow adjustment to blower speed while drying
- Retrofitted for existing dryers
- Flexible discharge options; can configure pipe as needed
- System includes:
 - Aspirator gravity fill
 - 3 HP aspirator blower with VFD and controls
 - Cyclone separator and piping
 - Full roof catwalk
 - Additional blower access platform for 24' and 32' dryers

*Optional



CONTROL SYSTEMS

COMMANDER

- PLC based dryer control system developed by AGI
- Easy-to-use touch screen navigation with clear graphics
- Tracking and graphing capabilities to show drying progress
- Alarm and troubleshooting assistance
- Self-diagnostic capabilities for quick troubleshooting
- Quick visual reference of alarm history helps minimize repair time

DRYER MASTER®

- Dryer Master® embedded in software for moisture control
- Dual moisture sensors available for most models

REMOTE MONITORING & MANAGEMENT*

- Monitor moisture and temperature within the dryer from any device
- Tablet, smart phone, laptop
- Ability to connect via cellular or internet data
- Receive alarms and callouts via text, or e-mail

*Optional

EXHAUST TEMPERATURE MONITORS*

- Sensors are spaced out along the exhaust ducts to monitor exhaust temperatures
- Can indicate hot spots in the dryer
- If a sensor detects a hot spot, it will turn the dryer off
- Easily retrofitted to existing dryers
- Installed during assembly for new dryers

*Optional



K SERIES

The K Series grain dryer features a basic operating system making it user friendly and the compact size is a great solution for smaller farm operations.

FEATURES

- Easy to use touch screen interface
- Dryer setup, alarm, and bushel counter
- Single wet / dry transport relays
- Wet / dry configurable timers
- Alarms are tracked in alarm log
- Single sensor moisture manager system
- High and low moisture limit settings
- Standard gravity fill roof
- Leveling auger available as an option
- Cooling floor available if required



DRYER MODEL	NUMBER OF TIERS	HOLDING CAPACITY (BU)	CORN					WHEAT		CANOLA	RICE	NUMBER OF BLOWERS AND HP	AMPS 230V 3 PHASE	MAX BURNER OUTPUT (MMBTU/HR)	MAX UNLOAD CAPACITY (BPH)	FILL HEIGHT GRAVITY FILL (FT)	TOTAL LENGTH (FT)
			ALL HEAT 210°F (22%-17%)	ALL HEAT 210°F (25% - 17%)	ALL HEAT 210°F (27% -17%)	DRY & COOL 210°F (20% - 15%)	DRY & COOL 210°F (25%-15%)	ALL HEAT 170°F (5 PTS)	DRY & COOL 170°F (5 PTS)	ALL HEAT 160°F (15% - 10%)	ALL HEAT 120°F (4 PTS)						
16' DRYERS																	
K600	4	578	515	341	274	334	226	416	349	222	399	1 x 15 hp	90*	6	982	19.2	27
K700	5	674	568	375	302	417	268	448	398	267	439	1 x 15 hp	90*	6	982	21.2	24
K800	6	770	740	488	393	589	361	573	524	348	569	1 x 20 hp	70	6	982	23.2	24
K900	7	866	860	567	457	720	372	668	623	404	662	1 x 25 hp	85	6	982	25.2	24

*Only available for single phase power

Imperial Measurement

DRYER MODEL	NUMBER OF TIERS	HOLDING CAPACITY (BU)	CORN					WHEAT		CANOLA	RICE	NUMBER OF BLOWERS AND HP	AMPS 230V 3 PHASE	MAX BURNER OUTPUT MMBTU/HR	MAX UNLOAD CAPACITY (BPH)	FILL HEIGHT GRAVITY FILL (FT)	TOTAL LENGTH (FT)
			ALL HEAT 210°F (22%-17%)	ALL HEAT 210°F (25% - 17%)	ALL HEAT 210°F (27% -17%)	DRY & COOL 210°F (20% - 15%)	DRY & COOL 210°F (25%-15%)	ALL HEAT 170°F (18-13%)	DRY & COOL 170°F (18-13%)	ALL HEAT 160°F (15%-10%)	ALL HEAT 120°F (16-12%)						
16' DRYERS																	
D1660	4	578	515	341	274	334	226	416	349	222	399	1 x 15 hp	60	6	982	19.2	27
D1670	5	674	631	417	336	463	298	498	442	297	488	1 x 20 HP	70	6	982	21.2	24
D1680	6	770	740	488	393	589	361	573	524	348	569	1 x 20 HP	70	6	982	23.2	24
D1690	7	866	860	567	457	720	372	668	623	404	662	1 x 25 HP	85	6	982	25.2	24
D16106	8	962	981	648	522	851	443	804	686	461	767	2 x 15 HP	110	12	1527	27.2	27
D16120	10	1155	1196	804	635	1028	567	995	891	588	966	2 x 20 HP	130	12	1527	31.2	27
D16140	12	1347	1395	938	740	1199	662	1144	1054	689	1128	2 x 20 HP	130	12	1527	35.2	27
D16160	14	1539	1594	1071	846	1370	756	1396	1311	813	1343	1 x 15 HP 2 x 20 HP	175	18	2250	39.2	27
24' DRYERS																	
D24108	6	1155	1109	731	589	883	541	870	795	521	856	2 x 15 HP	110	12	1473	25.9	35
D24150	8	1443	1474	973	784	1279	665	1145	975	693	1133	2 x 20 HP	130	12	1473	27.9	35
D24180	10	1732	1687	1108	891	1398	797	1338	1195	793	1313	2 x 25 HP	165	15	2291	33.9	35
D24210	12	2020	2092	1406	1110	1799	992	1717	1580	1034	1692	3 x 20 HP	190	18	2291	37.9	35
D24240	14	2309	2391	1595	1269	2061	1142	1911	1795	1141	1880	1 x 20 HP 2 x 25 HP	220	21	3382	41.9	35
D24260	16	2597	2689	1808	1427	2312	1275	2288	2174	1376	2250	4 x 20 HP	245	24	3382	45.9	35
D24330	20	3174	3287	2206	1745	2826	1559	2859	2761	1717	2668	5 x 20 HP	300	30	4527	53.9	35
D24380	24	3750	3883	2610	2061	3339	1842	3429	3171	2058	3232	6 x 20 HP	355	36	4527	61.9	35
32' DRYERS																	
D32260	12	2693	2647	1874	1399	2398	1275	2041	1876	1359	1957	3 x 30 HP	270	25.5	4364	40.6	43
D32340	16	3463	3521	2410	1862	3083	1565	2721	2582	1807	2657	4 x 30 HP	350	34.5	4364	48.6	43
D32440	20	4232	4394	2945	2324	3768	2061	3400	3281	2258	3360	5 x 30 HP	430	43.5	6000	56.6	43
D32500	24	5001	5178	3481	2749	4453	2456	4080	3765	2704	4014	6 x 30 HP	510	52.5	6000	64.6	43

Product Disclaimer:

- Drying capacities represent AGI's best estimate of attainable wet bushel capacities based on a combination of actual field results and computer analysis
- Capacities will vary depending on outside temperature, humidity, initial grain temperature, crop maturity and variety, cleanliness of the grain, test weight, operating temperature, drying vs. cooling zones, etc
- Hot grain discharged from the dryer will dry an additional 1.5% - 2% when properly cooled
- Fill height listed is for a dryer with a 48" standard leg kit
- Average burner output MMBTU/hr is based on 155°F temperature rise. Ambient of 55°F and dryer operating temperature of 210°F
- Maximum discharge is based on maximum capacity of the metering rolls

Metric Measurement

DRYER MODEL	NUMBER OF TIERS	HOLDING CAPACITY (MT)	CORN					WHEAT		CANOLA	RICE	NUMBER OF BLOWERS AND HP	AMPS 380V 3 PHASE	MAX BURNER OUTPUT MMBTU/HR	MAX UNLOAD CAPACITY (MT)	FILL HEIGHT GRAVITY FILL (M)	TOTAL LENGTH (M)
			ALL HEAT 98.8°C (22-17%)	ALL HEAT 98.8°C (25-17%)	ALL HEAT 98.8°C (27-17%)	DRY & COOL 98.8°C (20-15%)	DRY & COOL 98.8°C (25-15%)	ALL HEAT 76.6°C (18-13%)	DRY & COOL 76.6°C (18-13%)	ALL HEAT 71.1°C (15-10%)	ALL HEAT 48.9°C (16-12%)						
16' DRYERS																	
D1660	4	15	13.9	9.6	7.9	9.0	6.5	12.0	10.1	5.9	8.6	1 x 15 HP	45	6	25	5.9	8.2
D1670	5	17.1	17.1	11.7	9.7	12.5	8.6	14.4	12.8	7.9	10.5	1 x 25 HP	55	6	25.0	6.4	7.3
D1680	6	19.6	20.0	13.7	11.4	15.9	10.4	16.6	15.2	9.2	12.3	1 x 25 HP	55	6	25.0	7.0	7.3
D1690	7	22.0	23.3	16.0	13.2	19.4	10.7	19.3	18.0	10.7	14.3	1 x 30 HP	65	6	25.0	7.6	7.3
D16106	8	24.4	26.5	18.2	15.1	23.0	12.7	23.2	19.9	12.2	16.5	2 x 20 HP	85	12	38.8	8.2	8.2
D16120	10	29.3	32.3	22.6	18.4	27.7	16.3	28.8	25.8	15.6	20.8	2 x 25 HP	105	12	38.8	9.5	8.2
D16140	12	34.2	37.7	26.4	21.4	32.4	19.0	33.1	30.5	18.3	24.3	2 x 25 HP	105	12	38.8	10.7	8.2
D16160	14	39.1	43.1	30.1	24.5	37.0	21.7	40.4	38.0	21.6	29.0	1 x 20 HP 2 x 25 HP	140	18	57.5	11.9	8.2
24' DRYERS																	
D24108	6	29.3	30.0	20.6	17.0	23.8	15.6	25.2	23.0	13.8	18.5	2 x 20 HP	85	12	37.4	7.8	10.6
D24150	8	36.7	39.9	27.4	22.7	34.5	19.1	33.1	28.2	18.4	24.4	2 x 25 HP	105	12	37.4	8.5	10.6
D24180	10	44.0	45.6	31.2	25.8	37.7	22.9	38.7	34.6	21.1	28.3	2 x 30 HP	120	15	58.2	10.3	10.6
D24210	12	51.3	56.6	39.6	32.1	48.5	28.5	49.6	45.8	27.5	36.5	3 x 25 HP	150	18	58.2	11.5	10.6
D24240	14	58.7	64.7	44.9	36.7	55.6	32.8	55.3	52.0	30.3	40.5	1 x 25 HP 2 x 30 HP	165	21	85.9	12.7	10.6
D24260	16	66.0	72.7	50.8	41.3	62.4	36.7	66.2	63.0	36.6	48.5	4 x 25 HP	195	24	85.9	13.9	10.6
D24330	20	80.6	88.9	62.1	50.4	76.2	44.8	82.7	80.0	45.6	57.5	5 x 25 HP	240	30	115.6	16.4	10.6
D24380	24	95.3	105.0	73.4	59.6	90.1	53.0	99.2	91.8	54.7	69.7	6 x 25 HP	285	36	115.6	18.8	10.6
32' DRYERS																	
D32260	12	68.4	71.6	52.7	40.4	64.7	36.7	59.0	54.3	36.1	42.2	3 x 30 HP	175	25.5	114.6	12.3	13.1
D32340	16	88.0	95.2	67.8	53.8	83.2	45.0	78.7	74.8	48.0	57.3	4 x 30 HP	225	34.5	114.6	14.8	13.1
D32440	20	107.5	118.8	82.9	67.2	101.7	59.3	98.3	95.0	60.0	72.4	5 x 30 HP	275	43.5	170.0	17.2	13.1
D32500	24	127.1	140.1	97.9	79.5	120.1	70.6	118.0	109.0	71.8	86.5	6 x 30 HP	325	52.5	170.0	18.6	13.1

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AGI is a global leader in supplying farm and commercial customers with the manufacturing, planning, and engineering of full equipment solutions for grain, seed, fertilizer, feed, and food. AGI's expertise enables the storage, blending, mixing, conveying, conditioning, processing, and protection of agricultural products and inputs worldwide.

Your safety is our highest priority.

Please read and understand the operator's manual and safety decals before using. Use and maintain products properly, and do not modify. Keep guards in place when operating and follow all product manuals and safety decals. For all AGI products, if guards, safety decals, or manuals are damaged or missing, contact your AGI sales or dealer representative for replacements. Images and information contained in this brochure are presented for general information.

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