

MIXED FLOW

GRAIN DRYERS

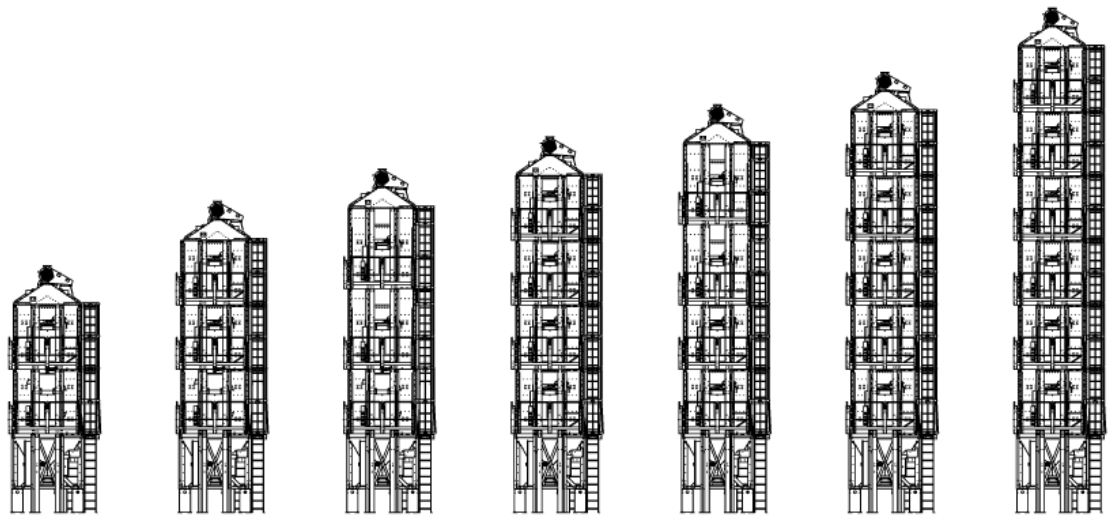
MAKE MORE

When it Matters Most



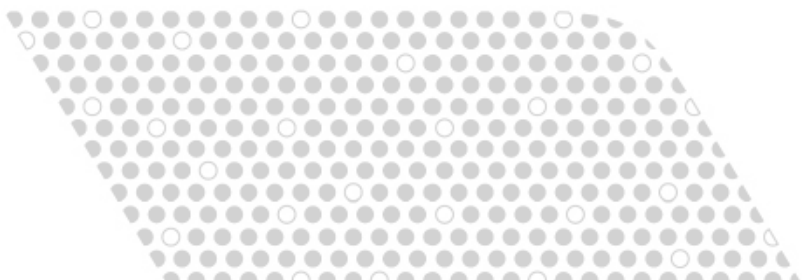
Take control.

MODEL OVERVIEW



TIERS	8 TIER	12 TIER	14 TIER	16 TIER	18 TIER	20 TIER	24 TIER
GRAIN COLUMN HOLDING CAPACITY RANGE [BU.]	736 - 1,478	1,104 - 2,217	1,288 - 2,586	1,472 - 2,956	1,656 - 3,325	1,840 - 3,695	1,840 - 4,440
APPROX. DRYING CAPACITY [FULL HEAT 20%-15%]*	1,060 – 1,930 BPH	1,580 – 2,900 BPH	1,890 – 3,260 BPH	2,130 – 3,890 BPH	2,380 – 4,230 BPH	2,630 – 4,830 BPH	3,220 – 5,710 BPH
DRYING MODES	Dry/Cool, All Heat, Continuous Flow	Dry/Cool, All Heat, Continuous Flow	Dry/Cool, All Heat, Continuous Flow	Dry/Cool, All Heat, Continuous Flow	Dry/Cool, All Heat, Continuous Flow	Dry/Cool, All Heat, Continuous Flow	Dry/Cool, All Heat, Continuous Flow

★ - Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.





MIXED *FLOW*

GRAIN DRYERS

With no screens to clean, Mixed Flow Grain Dryers reduce downtime while maintaining capacity.

Mixed Flow Dryers utilize centrifugal fans for high efficiency drying.

Lower airflow rates maximize grain quality and improve fuel efficiency.

Independently controlled modules allow for multi-zone temperature as well as the ability to run full heat or dry/cool modes.

Modular design grows with your operation.

Available in LP and natural gas.

CENTRIFUGAL FAN

Double wheel, dual inlet centrifugal fans with aluminum blades are whisper quiet.

HIGH EFFICIENCY BURNER

Provides even heat distribution and maximum airflow to the dryer's plenum. Features include easy-to-adjust vaporizer, large service access door, burner view window and oil-filled gas pressure gauges.

Standard on/off Fire offers a wider range of plenum temp control down to five degrees above ambient temperature for wheat and other temperature sensitive grains.



MAXIMIZE GRAIN QUALITY

Lower airflow rates in Mixed Flow Dryers dry grain slowly to preserve quality. The Mixed Flow drying sections introduce drying air throughout the grain column for even drying.

OPTIMIZED AIRFLOW

Airflow is sized to match the drying section to achieve consistent airflow and capacity. Additional benefits include high air flow across a wide static pressure range, quiet operation, and reduced energy cost.

EVEN HEAT AND GRAIN QUALITY

High/Low fire cycling helps maintain a uniform plenum temperature. Each plenum chamber also has an air-mixing chamber to thoroughly mix the air and heat.



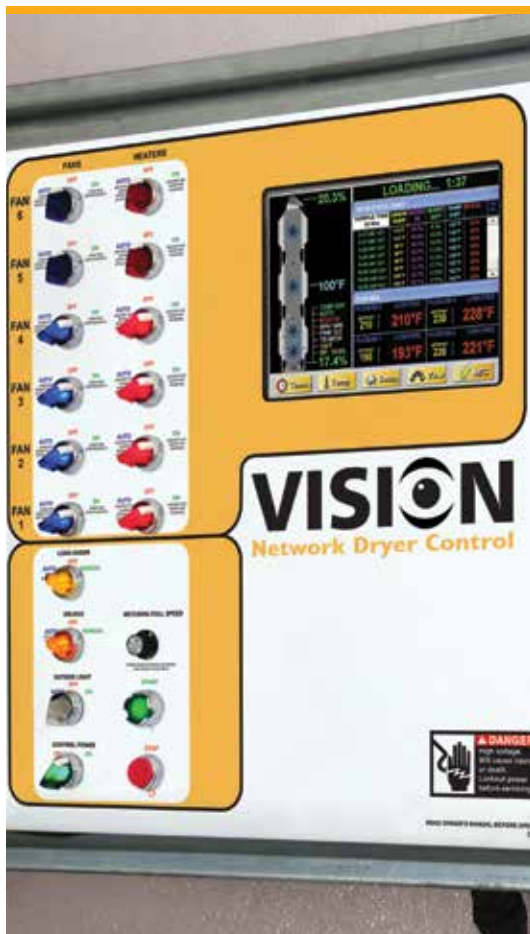
STANDARD DRAG CONVEYOR UNLOAD

7" metering rolls on each side of dryer move grain to a drag discharge conveyor to unload smoothly and gently from your dryer to your handling system. When grain quality is poor or debris is present, adjustable flow gates allow custom control of grain volume in each column for consistent drying.



STATIC MOISTURE SAMPLER

Sample grain when the grain is static and not flowing through the unload. A reading is taken once per minute and the dryer automatically adjusts to provide optimal results.



VISION NETWORK DRYER CONTROL

Take the guesswork out of operating your GSI dryer. Simply input the incoming moisture of the grain, desired outgoing moisture and grain type and press start. Vision Auto-Start will manage and control the pre-drying of the grain and stage the operation of the dryer.

With a quick glance, you can see the status of the augers, fans and heaters on an easy-to-read touchscreen. On-screen temp and moisture-based controls let you manage plenum and grain temperatures easily.

FEATURES:

- 10.4" TFT color touch screen
- 32-Bit microprocessor control
- Standard with 13 different language capabilities, including English, Spanish, French, German, Russian, Polish, Portuguese, Dutch, Danish, Bulgarian, Czech, Hungarian and Romanian
- Plenum temperature manager
- Shut-downs logged with time and date
- Safety disconnect and low voltage safety circuit

GSI CONNECT™

With GSI Connect you can monitor and manage your dryer from the combine, truck, or even in bed.

-  **MONITOR REMOTELY** See the status, adjust set points, change unload speeds, monitor performance, and more from anywhere.
-  **REDUCE DOWNTIME** Get alerted to errors or stoppages to quickly address potential issues.
-  **OPTIMIZE PERFORMANCE** Save time and money with remote diagnostics to keep your dryer its best.
-  **MAXIMIZE PROFIT** Take control this harvest and get more from what you worked hard to produce.



1600 SERIES

	1608	1612	1614	1616	1618	1620	1624
DRYING CAPACITY (BPH), SHELLED CORN ¹							
DRY AND COOL 30% TO 15%	340	470	700	750	800	910	1,180
DRY AND COOL 25% TO 15%	440	730	900	960	1,030	1,160	1,500
DRY AND COOL 20% TO 15%	710	1,180	1,450	1,550	1,670	1,890	2,440
FULL HEAT 30% TO 15% ²	590	890	1,060	1,190	1,340	1,470	1,800
FULL HEAT 25% TO 15% ²	710	1,060	1,270	1,430	1,600	1,770	2,170
FULL HEAT 20% TO 15% ²	1,060	1,580	1,890	2,130	2,380	2,630	3,220
TOTAL HOLDING CAP. (AUGER FILL)	1,037	1,405	1,589	1,773	1,957	2,141	2,911
TOTAL HOLDING CAP. (GRAVITY FILL)	1,048	1,416	1,600	1,784	1,968	2,152	2,922
GRAIN COLUMN HOLDING CAP. (BU.)	736	1,104	1,288	1,472	1,656	1,840	2,208
TOP AUGER (LOADING)	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP
DISCHARGE CONVEYOR (UNLOADING)	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP
METER ROLL DRIVE	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP
INSTALLED LENGTH	27'9"	27'9"	27'9"	27'9"	27'9"	27'9"	27'9"
INSTALLED WIDTH	9'2"	9'2"	9'2"	9'2"	9'2"	9'2"	9'2"
INSTALLED HEIGHT (AUGER)	31'5"	39'5"	43'5"	47'5"	51'5"	55'5"	63'5"
INSTALLED HEIGHT (GRAVITY FILL)	32'3"	40'3"	44'3"	48'3"	52'3"	56'3"	64'3"
HEATERS (MAX BTU) (mmBTU)	10.5	15	19.5	18	22.5	22.5	27
CENTRIFUGAL FANS	{2} 15 HP★	{3} 15 HP★	{2} 30 HP	{4} 15 HP★	{2} 30 HP	{5} 15 HP★	{6} 15 HP★
			{1} 15 HP		{2} 15 HP		
FULL LOAD AMPS (FAN(S), LOAD AUGER, DISCHARGE CONVEYOR) ³							
SINGLE PHASE, 220 V.	184	247	N/A	311	N/A	375	429
THREE PHASE, 208 V.	119	161	244	203	286	244	265
THREE PHASE, 230 V.	115	153	232	193	272	232	246
THREE PHASE, 460 V.	55	74	111	92	130	111	128
THREE PHASE, 575 V.	44	59	89	74	104	89	120

¹ Capacities listed are wet bushels, for mature unfrozen #2 yellow shelled dent corn at listed moisture content and are estimates based on drying principles, field results and computer simulation. Variance may occur due to grain's physiological factors (kernel size, chemical composition, variety, maturity), excessive fines, adverse weather conditions, etc.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Full Load Amps: Fan(s) & Dryer Load & Unload motor name plate amperages + 5 for control & VFD load.

★ Available in single phase.

2400 SERIES

	2408	2412	2414	2416	2418	2420	2424
DRYING CAPACITY (BPH), SHELLLED CORN ¹							
DRY AND COOL 30% TO 15%	490	810	960	1,070	1,120	1,300	1,580
DRY AND COOL 25% TO 15%	630	1,040	1,230	1,360	1,440	1,660	2,030
DRY AND COOL 20% TO 15%	1,020	1,690	2,000	2,220	2,340	2,700	3,300
FULL HEAT 30% TO 15% ²	850	1,270	1,460	1,730	1,880	2,110	2,480
FULL HEAT 25% TO 15% ²	1,020	1,520	1,750	2,080	2,260	2,530	2,980
FULL HEAT 20% TO 15% ²	1,510	2,260	2,610	3,090	3,360	3,770	4,440
TOTAL HOLDING CAP. (AUGER FILL)	1,564	2,116	2,392	2,668	3,043	3,453	4,013
TOTAL HOLDING CAP. (GRAVITY FILL)	1,611	2,163	2,439	2,715	2,991	3,267	4,060
GRAIN COLUMN HOLDING CAP. (BU.)	1,104	1,656	1,932	2,208	2,484	2,760	3,312
TOP AUGER (LOADING)	10 HP	10 HP	10 HP	10 HP	10 HP	10 HP	10 HP
DISCHARGE CONVEYOR (UNLOADING)	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP
METER ROLL DRIVE	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP
INSTALLED LENGTH	35'9"	35'9"	35'9"	35'9"	35'9"	35'9"	35'9"
INSTALLED WIDTH	9'2"	9'2"	9'2"	9'2"	9'2"	9'2"	9'2"
INSTALLED HEIGHT (AUGER)	31'5"	39'5"	43'5"	47'5"	51'5"	55'5"	63'5"
INSTALLED HEIGHT (GRAVITY FILL)	35'0"	43'0"	47'0"	51'0"	55'0"	59'0"	67'0"
HEATERS (MAX BTU) (mmBTU)	12.75	19.5	23.5	27	31	33.8	40.6
CENTRIFUGAL FANS	(2) 30 HP	(3) 30 HP	(2) 40 HP	(4) 30 HP	(2) 40 HP	(5) 30 HP	(6) 40 HP
			(1) 30 HP		(2) 30 HP		
FULL LOAD AMPS (FAN(S), LOAD AUGER, DISCHARGE CONVEYOR) ³							
SINGLE PHASE, 220 V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
THREE PHASE, 208 V.	216	300	355	383	438	466	480
THREE PHASE, 230 V.	206	285	338	364	416	443	455
THREE PHASE, 460 V.	99	137	162	174	199	212	232
THREE PHASE, 575 V.	79	109	130	140	160	170	183

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³ Full Load Amps: Fan(s) & Dryer Load & Unload motor name plate amperages + 5 for control & VFD load.

3200 SERIES

	3208	3212	3214	3216	3218	3220	3224
DRYING CAPACITY (BPH), SHELLD CORN ¹							
DRY AND COOL 30% TO 15%	620	1,040	1,220	1,330	1,410	1,670	2,050
DRY AND COOL 25% TO 15%	800	1,330	1,560	1,710	1,800	2,130	2,620
DRY AND COOL 20% TO 15%	1,300	2,160	2,530	2,770	2,929	3,460	4,250
FULL HEAT 30% TO 15% ²	1,080	1,620	1,830	2,170	2,370	2,700	3,200
FULL HEAT 25% TO 15% ²	1,300	1,950	2,190	2,610	2,840	3,250	3,830
FULL HEAT 20% TO 15% ²	1,930	2,900	3,260	3,890	4,230	4,830	5,710
TOTAL HOLDING CAP. (AUGER FILL)	2,092	2,828	3,196	3,564	3,932	4,300	5,156
TOTAL HOLDING CAP. (GRAVITY FILL)	2,198	2,934	3,302	3,670	4,038	4,406	5,262
GRAIN COLUMN HOLDING CAP. (BU.)	1,478	2,217	2,586	2,956	3,325	3,695	4,440
TOP AUGER (LOADING)	15 HP	15 HP	15 HP	15 HP	15 HP	15 HP	15 HP
DISCHARGE CONVEYOR (UNLOADING)	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP
METER ROLL DRIVE	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP	.75 HP
INSTALLED LENGTH	43'9"	43'9"	43'9"	43'9"	43'9"	43'9"	43'9"
INSTALLED WIDTH	9'2"	9'2"	9'2"	9'2"	9'2"	9'2"	9'2"
INSTALLED HEIGHT (AUGER)	31'5"	39'5"	43'5"	47'5"	51'5"	55'5"	63'5"
INSTALLED HEIGHT (GRAVITY FILL)	37'10"	45'10"	49'10"	53'10"	57'10"	61'10"	69'10"
HEATERS [MAX BTU] [mmBTU]	14.75	23.5	26.5	35	38	43.8	52.5
CENTRIFUGAL FANS	(2) 40 HP	(3) 40 HP	(2) 50HP	(4) 40 HP	(2) 50 HP	(5) 40 HP	(6) 40 HP
			(1) 40 HP		(2) 40 HP		
FULL LOAD AMPS (FAN(S), LOAD AUGER, DISCHARGE CONVEYOR) ³							
SINGLE PHASE, 220 V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
THREE PHASE, 208 V.	286	397	452	508	563	619	654
THREE PHASE, 230 V.	272	377	430	483	535	588	645
THREE PHASE, 460 V.	130	180	206	231	256	281	327
THREE PHASE, 575 V.	104	144	165	185	205	225	271

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