



**MIXED FLOW**

**GRAIN DRYERS**

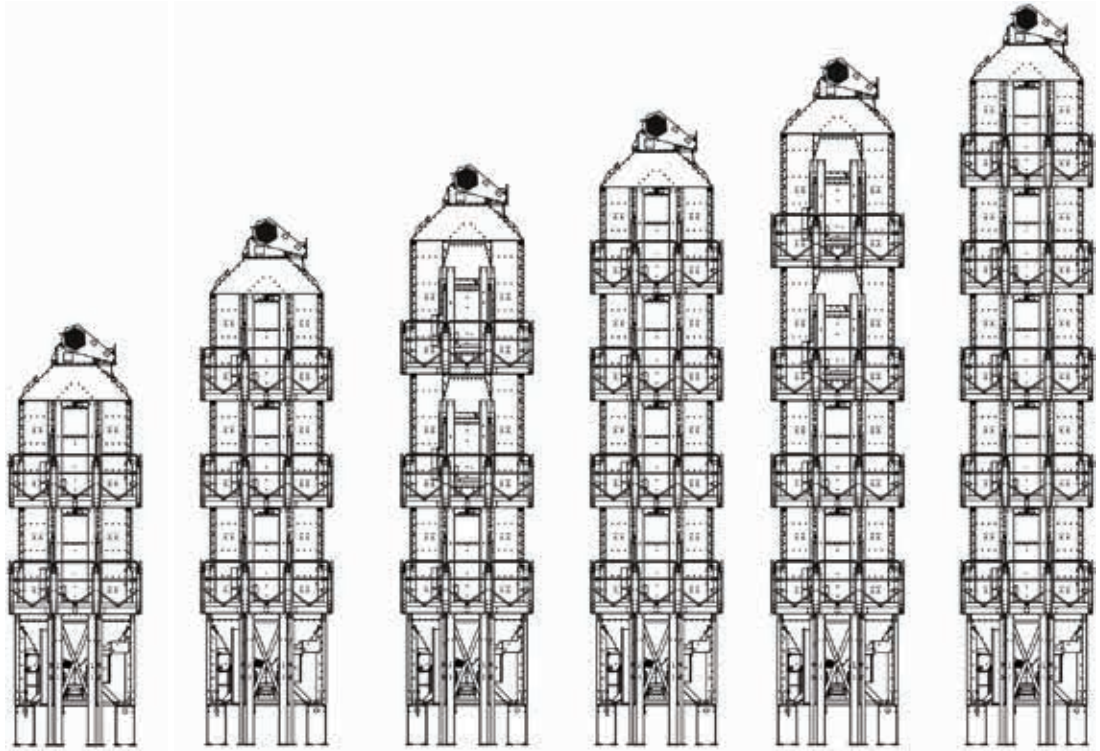
**MAKE MORE**

**When it Matters Most**



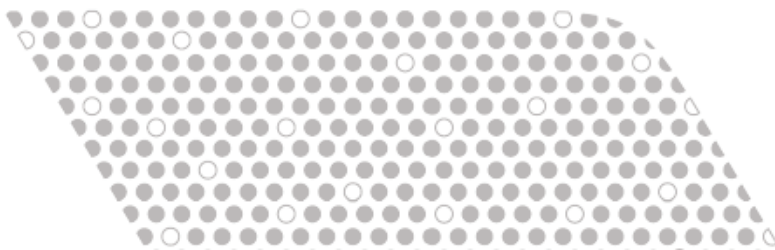
**Take control.**

# MODEL OVERVIEW



TIERS	8 TIER	12 TIER	14 TIER	16 TIER	18 TIER	20 TIER
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
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
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

★ - 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.



## **SLOW DRY TIMES**

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.

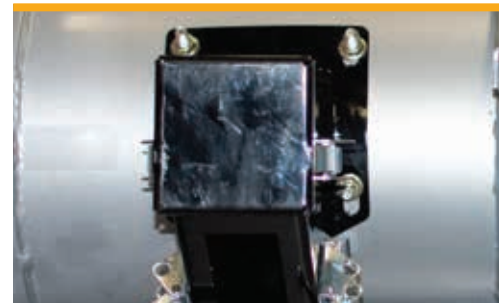
## **EVEN HEAT AND GRAIN QUALITY**

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.



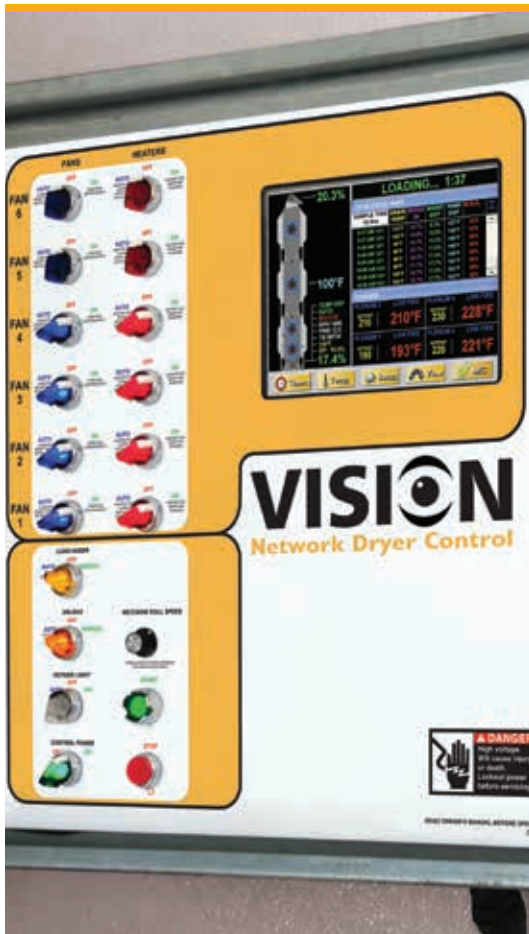
## **STANDARD DRAG CONVEYOR UNLOAD**

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

<sup>1</sup> 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.

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

<sup>3</sup> 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
<b>DRYING CAPACITY (BPH), SHELLED CORN <sup>1</sup></b>						
DRY AND COOL 30% TO 15%	490	810	960	1,070	1,120	1,300
DRY AND COOL 25% TO 15%	630	1,040	1,230	1,360	1,440	1,660
DRY AND COOL 20% TO 15%	1,020	1,690	2,000	2,220	2,340	2,700
FULL HEAT 30% TO 15% <sup>2</sup>	850	1,270	1,460	1,730	1,880	2,110
FULL HEAT 25% TO 15% <sup>2</sup>	1,020	1,520	1,750	2,080	2,260	2,530
FULL HEAT 20% TO 15% <sup>2</sup>	1,510	2,260	2,610	3,090	3,360	3,770
<b>TOTAL HOLDING CAP. (AUGER FILL)</b>						
TOTAL HOLDING CAP. (GRAVITY FILL)	1,564	2,116	2,392	2,668	2,944	3,220
GRAIN COLUMN HOLDING CAP. (BU.)	1,611	2,163	2,439	2,715	2,991	3,267
GRAIN COLUMN HOLDING CAP. (BU.)	1,104	1,656	1,932	2,208	2,484	2,760
TOP AUGER (LOADING)	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP
DISCHARGE CONVEYOR (UNLOADING)	10 HP	10 HP	10 HP	10 HP	10 HP	10 HP
METER ROLL DRIVE	(2) 1/3 HP	(2) 1/3 HP	(2) 1/3 HP	(2) 1/3 HP	(2) 1/3 HP	(2) 1/3 HP
INSTALLED LENGTH	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"
INSTALLED HEIGHT (AUGER)	31'5"	39'5"	43'5"	47'5"	51'5"	55'5"
INSTALLED HEIGHT (GRAVITY FILL)	35'0"	43'0"	47'0"	51'0"	55'0"	59'0"
<b>HEATERS [MAX BTU] [mmBTU]</b>						
HEATERS [MAX BTU] [mmBTU]	12.75	19.5	23.5	27	31	33.8
<b>CENTRIFUGAL FANS</b>						
CENTRIFUGAL FANS	(2) 30 HP	(3) 30 HP	(2) 40 HP	(4) 30 HP	(2) 40 HP	(5) 30 HP
			(1) 30 HP		(2) 30 HP	
<b>FULL LOAD AMPS (FAN(S), LOAD AUGER, DISCHARGE CONVEYOR) <sup>3</sup></b>						
SINGLE PHASE, 220 V.	N/A	N/A	N/A	N/A	N/A	N/A
THREE PHASE, 208 V.	216	300	355	383	438	466
THREE PHASE, 230 V.	206	285	338	364	416	443
THREE PHASE, 460 V.	99	137	162	174	199	212
THREE PHASE, 575 V.	79	109	130	140	160	170

<sup>1</sup> 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.

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

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

# 3200 SERIES

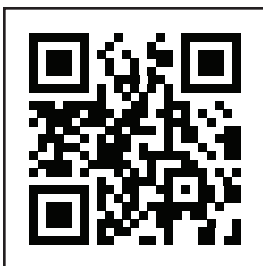
	3208	3212	3214	3216	3218	3220
<b>DRYING CAPACITY (BPH), SHELLED CORN <sup>1</sup></b>						
DRY AND COOL 30% TO 15%	620	1,040	1,220	1,330	1,410	1,670
DRY AND COOL 25% TO 15%	800	1,330	1,560	1,710	1,800	2,130
DRY AND COOL 20% TO 15%	1,300	2,160	2,530	2,770	2,929	3,460
FULL HEAT 30% TO 15% <sup>2</sup>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

<sup>1</sup> 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.

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

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

Visit [grainsystems.com](http://grainsystems.com)  
to learn more.



Contact your GSI Dealer for more information.

© 2024 Grain and Protein Technologies. All rights reserved. GSI reserves the right to change designs and specifications without notice.

GS-021 / FEBRUARY 2025

