

# INTERNATIONAL GRAIN DRYING



**TOTAL VALUE. TOTAL SYSTEMS.™**

# METRIC

# GRAIN DRYERS

With over 36 years of experience in the agricultural equipment manufacturing business, GSI has all the resources and expertise necessary to meet your specific needs.

GSI offers the most technologically advanced and reliable dryers on the market today. We also offer the widest selection of dryer models, suitable for a wide variety of applications.

All GSI dryers feature easy-to-use and state-of-the-art controls, heavy-duty galvanized steel construction, and industrial grade electrical components. GSI dryers can help solve even the most complex grain conditioning problems.



## HIGH EFFICIENCY

GSI's fan and heater unit includes all of the industry-leading features you expect from the best.

The high efficiency one-piece fan and heater unit provides optimal heated air flow for all dryer applications and utilizes only low-speed and low-noise fans. All units feature fiberglass reinforced polypropylene fans with a very low starting load, high air flow across a wide static pressure range, precise balance and quiet operation.

Ten different fan configurations are available. An electronic ignition system monitors the burner and a view window provides easy observation. The Optimizer Blue Burn System is standard on all LP models and assures energy efficient operation.

Other value-added features include an easy to adjust vaporizer, a large service access door, and oil filled gas gauges.



## WHY BUY A DRYER?

Grain dryers would be unnecessary if harvesting could be done when the grain was at the optimal moisture level for long term storage. But because so many factors influence harvest times, grain dryers give growers the flexibility to harvest when necessary and to dry grain to the ideal levels for storage. This significantly minimizes risk of loss and adds tremendous value to an operation.

- Start harvest earlier to minimize potentially significant field losses from grain shatter and lodged crops.
- Condition grain early, before adverse weather conditions appear and avoid catastrophic crop losses that could occur by waiting for the grain to dry in the field.
- Prevent elevator shrinkage charges applied to grain delivered above requested moisture limits. By avoiding these charges, customers can add more dollars to their bottom line.
- Deliver grain closer to the moisture level desired by the elevator and avoid dockage charges.
- Gain greater marketing flexibility by storing properly conditioned grain for long periods of time without deterioration.
- Eliminate harvest bottlenecks by conditioning grain at a pace that compliments today's high-capacity combines.

This manual provides an in-depth understanding of what sets GSI grain dryers apart from the competition and will serve as an invaluable tool to explain the features, advantages, and benefits that make GSI dryers an outstanding value proposition for customers.



# X-STREAM™

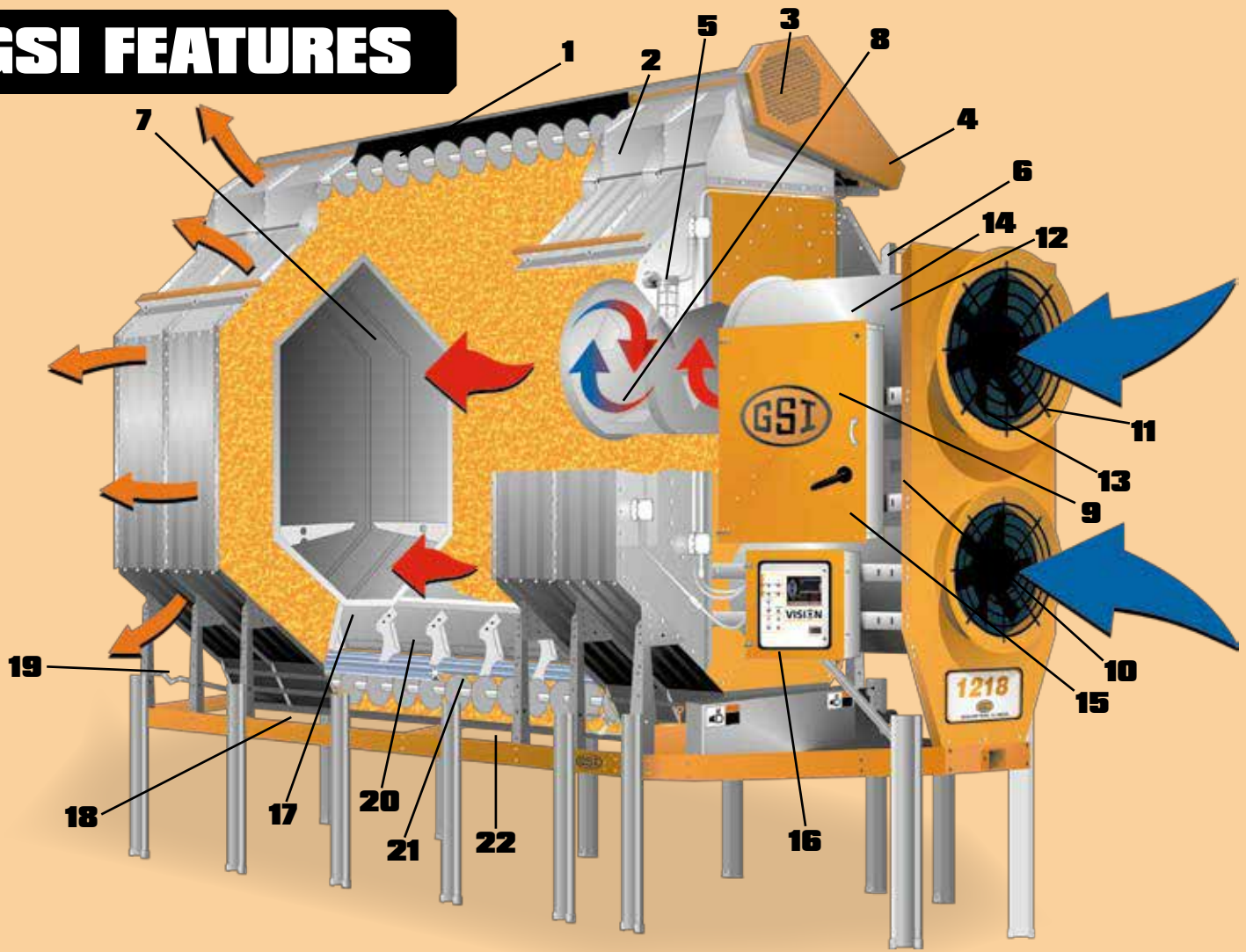
Carrying on GSI's proud history of innovation in grain drying, the new X-Stream dryer features fans and heaters mounted in a staggered fashion on opposite ends of the dryer. Traditional dryers feature fans and heaters mounted on the same end of the dryer. As a result, the drying temperature of the grain varies based on which column it is in during the drying process.

By mounting the fans and heaters on opposite ends of the dryer and staggering each fan, the X-Stream delivers more uniform heat throughout the entire dryer, regardless of column location. As grain passes through the X-Stream, it is exposed to more consistent levels of heat. The result is a higher quality grain that is more evenly dried at a lower cost.

The X-Stream dryer is available in stack dryers in lengths from 20 through 26 feet, plus longer two fan single module dryers. GSI strongly recommends adding optional grain inverters to the (stack) X-Stream dryer for greater performance improvement.



# GSI FEATURES

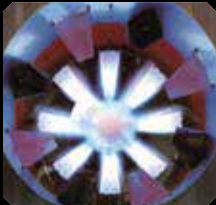


**LARGEST GRAIN HOLDING CAPACITY** allows for higher bushels per hour to consistently achieve maximum drying. Long retention times result in better grain quality.

**EXCLUSIVE ON/OFF FIRE** offers a wider range of plenum temperature control.



**"STAR-FIRE BURNERS"** provide optimal heat delivery efficiency and a lower cost of operation. LP units feature patented "Blue Burn" optimizer.



**AIR MIXERS** mixing vanes eliminate "hot spots" and create a uniform plenum temperature.



**ADJUSTABLE FLOW GATES** allow customized control of grain volume in each column for improved quality and more even drying.



**BELT-DRIVEN 50hz fans** are belt driven to 1750 rpm to ensure maximum airflow.

**OPTIMIZED AIRFLOW TO 80 CFM PER BUSHEL** sized to match the basket to achieve consistent airflow on all models.

**HIGH/LOW CYCLING** Helps to maintain a uniform plenum temperature.



14" wide columns hold the maximum amount of grain while minimizing the difference from the inside to the outside of the column.

Each plenum chamber also has an air mixing chamber to thoroughly mix the air and heat, and to shield the grain columns from direct contact with the burner infra red waves.

Multiple heat zones in two-fan dryers and larger models put the hottest air on the highest moisture grain.



**1** Level auger with DuraEdge® flighting mounted on oil-impregnated wood hanger bearings adds to long life and dependability.

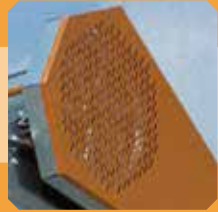


**12** Exclusive High/Low or On/Off burner operation allows operation even at high ambient temperatures.

**2** Perforated low profile wet bin improves preheating by allowing heated airflow through the wettest grain.



**13** Low speed, high performance composite fan blades move air with less noise and their low start up load allows longer motor life.



**3** Perforated cover allows for easy viewing of the auger drive pulley and verification of operation.



**14** Galvanized fan housing minimizes rust and corrosion to extend life.

**4** Turnbuckle belt tightener allows for simple installation and maintenance.



**15** Non-service rated safety disconnect circuit breaker integrated into door handle for safe, economical installation and maintenance while reducing installation costs.



**5** Work light doubles as a shutdown indicator.



**16** Computerized dryer controls are user-friendly.

**6** Ladders with toe clearance ensure easy and safe climbing.



**17** Large 15" doors give easy access to unload auger.



**7** 14" grain columns allow maximum capacity and also help promote even and efficient drying.



**18** Column access doors provide fast unloading and easy access to meter rolls.

**8** Air mixing chambers thoroughly mix heat and air before it enters the drying chamber.



**19** Auger clean-out doors allow easy maintenance of dryer.



**9** Industrial grade IEC rated contactors, breakers and overloads insure durability and quality while the provided Load and Unload Auxillary contactors help reduce installation costs.



**20** Adjustable flow gates regulate grain flow, eliminate column plugging, and allow manual column emptying into bottom auger.

**10** Air pressure switch checks for air pressure in plenum to verify airflow for safety.



**21** Full-length, aluminum 7" meter rolls with over-the-top operation ensure gentle, accurate grain flow and low horsepower.



**11** Highly effective air straighteners create maximum airflow and even temperatures.



**22** Heavy 8" auger with 1/4" DuraEdge® flighting for fast unloading and longer life.

### REAR DISCHARGE AUTO-SHUTDOWN

A 2' discharge extension with manual grain sampler is standard equipment. An automatic discharge shutdown operates off of a hinged lid switch at the rear discharge. It is activated when grain overfills the discharge auger and forces the lid to open.



### THREE-PIECE SIDEWALL SCREENS

GSI's three-piece sidewall panels allow the top angle section alone, the top angle and side sections, or all of the exterior screens including the bottom angle section to optionally be stainless steel. This allows for economical protection against rust and corrosion where needed based on the size of the dryer and the type of usage it will experience. All fastening hardware are also stainless steel to eliminate future corrosion.



### CLEAN-OUT MADE EASY

Large plenum clean-out doors make for easy access to the unload auger and metering rolls.

Inside metering and unload auger access panels lift out of the way without tools to better accommodate service and maintenance needs.

Sealing strips prevent air pressure and heat loss into the unload chamber.



### ACCESS LADDERS

GSI ladders feature heavy-duty construction and slip-resistant patterns to give extra grip in wet conditions. Our attention to detail and quality design gives GSI a solid foothold in the grain drying business.



### 8" DURA-EDGE® AUGER FLIGHTING

All augers feature the new DURA-EDGE® 8" diameter flighting with 1/4" ribbon. The DURA-EDGE® flighting has an outside edge that is 30% thicker than regular flighting. This contributes to the product's long life and dependability.



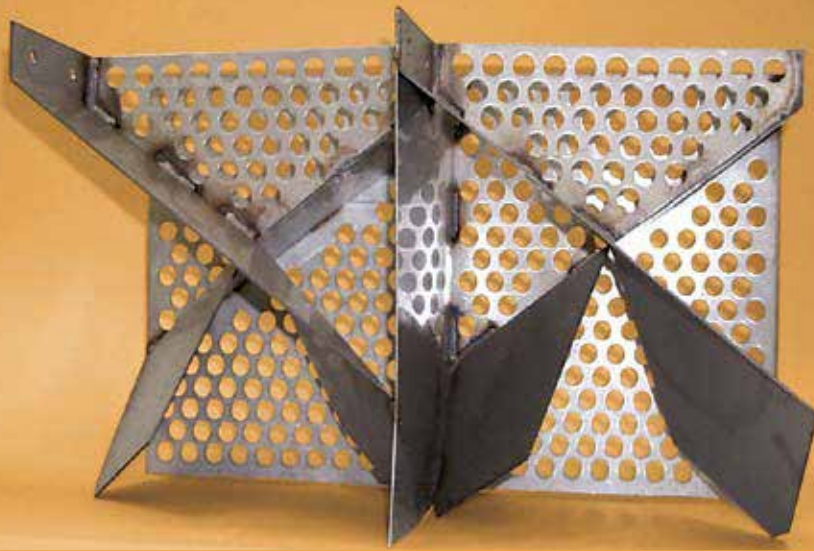
### LOW PROFILE, FOLD-UP WET BIN

The 14'6" low profile overall height permits easy set-up into existing installations and allows the GSI dryer to fit in places others can't.

The wet bin is perforated to enable pre-heating of the grain to increase capacity and reduce operating costs.



# OPTIONAL FEATURES



## PATENTED GRAIN INVERTERS

Promote more even drying, higher test weights, and also help reduce operating costs by up to 25%.

Be sure to maximize the efficiency of every GSI stack dryer by including the optional Grain Inverters.

While grain exchangers move grain from the inside of the grain column to the outside of the column, the new and patented GSI Grain Inverters put a new twist on this process.

GSI's Grain Inverters move all grain, except the outer two inches, within the column to eliminate over-dried grain and to maximize drying efficiency and grain quality. These patented Grain Inverters redirect the warmest grain from the inside of the column to be next to the wettest grain left at the outside of the column where it is dried by the captured heat which would have otherwise escaped the dryer. (See diagram to right for visual illustration.)

This process maintains optimal grain temperature, thus maximizing grain quality while using less fuel and significantly reducing operating costs.

A convenient clean-out door also provides easy access for quick maintenance.

## KERNEL TEMPERATURE

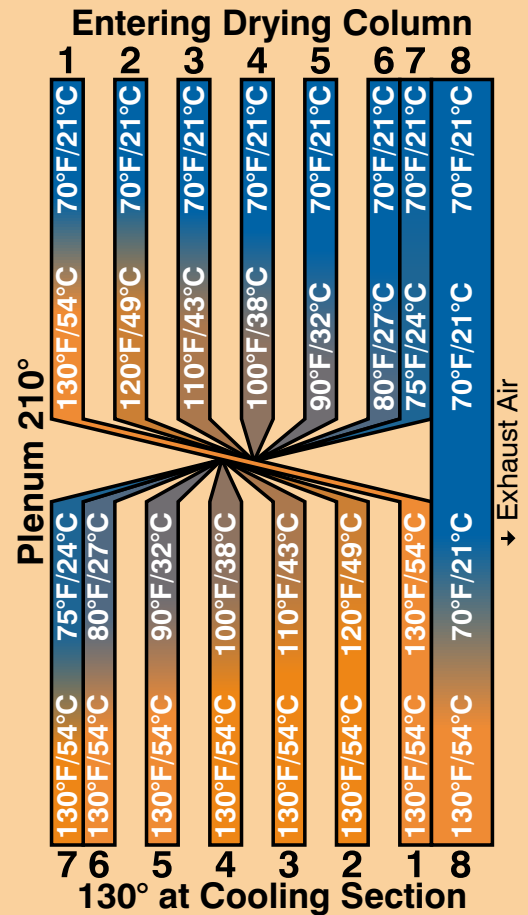
|                                 |  |
|---------------------------------|--|
| <b>Under 100°F/ 38°C</b>        | = Seed   |
| <b>100°F/38°C to 120°F/49°C</b> | = Human Food Grade<br>- Full Nutrition and Taste                           |
| <b>120°F/49°C to 140°F/60°C</b> | = Animal Food Grade<br>- Full Nutrition                                    |
| <b>140°F/60°C to 160°F/71°C</b> | = Range where moderate damage<br>and test weight loss starts               |
| <b>160°F/71°C &amp; above</b>   | = Severe damage including physical<br>breakage and severe test weight loss |

## NOISE SUPPRESSOR

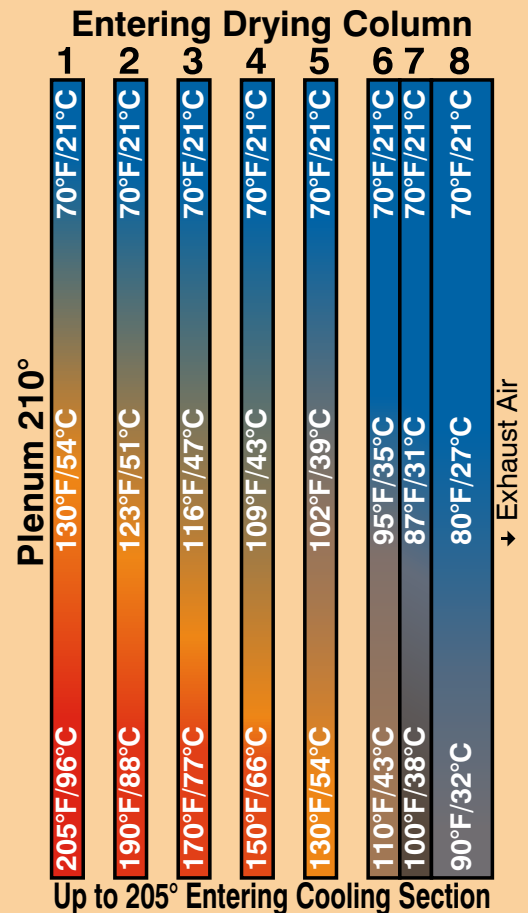
Optional noise abatement kit features perforated, galvanized construction. Noise-absorbing insulation reduces noise levels to levels equal to or lower than that of centrifugal fans, allowing quiet operation in sound-sensitive areas.



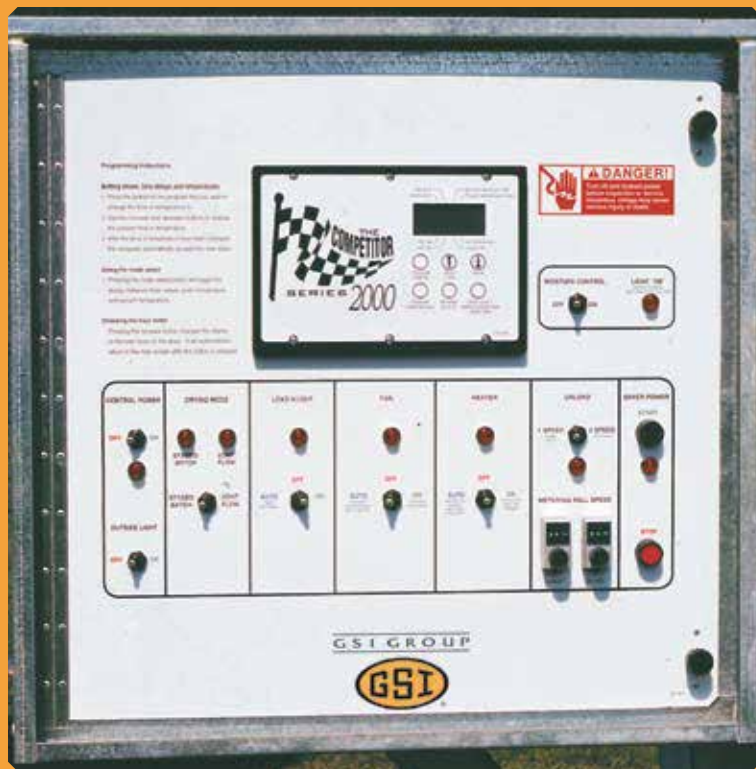
## DRYING WITH THE GSI GRAIN INVERTERS.



## DRYING WITHOUT THE GSI GRAIN INVERTERS.



# COMPETITOR CONTROLS



## SERIES 2000 CONTROLS

GSI single fan dryers are extremely efficient and easy to operate. They feature microprocessor based controls with computer assisted operation, as well as automated load and unload capabilities. A Safety Disconnect and Load and Unload Auxiliary Contactors and Overloads are standard. This greatly reduces installation costs compared to dryers that neglect these features.

Easily accessible computer switches with indicator lights offer a quick reference point for all operational functions of the dryer. The highly flexible settings offer choices between Continuous Flow or Staged Batch operation with a simple flip of a switch. All dryer times and temperatures (including grain and plenum temperatures, batch timers, level auger delay, out of grain timer, unload clean-out delay, and moisture control set point) are easily programmed and monitored through a six character LCD display on the main panel.

Series 2000 computer controls also eliminate moving parts in the control box, such as troublesome timers, mechanical relays, thermostats and time delays. This helps reduce set-up time and increase efficiency.



## CALC-U-DRI

Calc-U-Dri allows GSI continuous flow dryers to adjust meter roll speed for fluctuating grain moisture. It is an optional feature on all single fan continuous flow dryers. Because the Calc-U-Dri sampling auger is powered with a simple belt drive off the rear auger, it requires no auxiliary power.

Calc-U-Dri is also simple to use. Just set the potentiometer on the Calc-U-Dri to the same setting as the dryer itself. Then, "dial in" the desired moisture level for grain at output. It really is that easy.

As grain moisture rises above the desired moisture level, the metering rolls slow down to allow the grain to dry more thoroughly. If the grain moisture falls below the desired moisture level, the metering rolls will speed up to reduce the drying time.

The Calc-U-Dri also features a built-in printer that makes for easy record-keeping of all critical dryer operations.



## ELECTRICAL CONTROL FEATURES

- Exclusive MET (nationally recognized testing lab) approved controls.
- Built to UL 508a specifications: Nationally recognized (US & Canada) CSA electrical compliant. The only NRTL certified controls in the industry.
- IEC Branch Breakers: IEC controls are higher quality, rated for more cycles and meet domestic and international electric codes. All dryers have branch breakers for each motor.
- IEC Motor Overloads: IEC overloads allow a wide range of adjustment to accommodate variances in incoming voltage.
- Auxiliary Auger IEC Contactors/Overloads\*: Load and unload auxiliary motor branch circuits are standard. If load and unload HP are specified at the time of order, GSI will install the properly sized breaker, contactor, and overload for customer's application.

- Entelec Terminals: Color-coded Entelec terminals are used for all computer control circuits connections. This makes for easy installation, diagnosis and service.
- Safety Disconnect\*: For safely disconnecting power from main panel for servicing dryer controls. Also provides an easy connection point for incoming electric supply.
- Work Light and Shutdown Indicator: The light on the outside of the dryer doubles as a shutdown indicator.

\*Provides significant cost savings over dryers that neglect these features.



# VISION NETWORK DRYER CONTROLS



# VISION

## Network Dryer Control

### VISION CONTROL

The GSI Vision dryer control system features a wide array of settings that offers unparalleled options and control. Boasting a large color screen with easy-to-use touch screen controls, the Vision can be remote-mounted, via a simple seven wire harness, up to 1000 feet away from the dryer.

Because safety and dependability are paramount for all GSI products, the Vision system features a low voltage safety circuit and a safety disconnect on every dryer. Each safety is monitored individually and its status displayed on-screen.

With no moving parts – timers, time delays, thermostats, etc. – the Vision system is less prone to wear-and-tear that leads to costly repairs and downtime.

Plenum and grain temperatures can be modified on-screen using temperature and moisture based controls. Switch from High/Low to On/Off fire modes with a simple flip of a switch.

The Vision also puts help at your fingertips when you need it most. Owner's Manuals are available on-demand and on-screen at the control box.

GSI Vision allows users to track the dryer's history. All shut downs are logged with time and date information. This data can be saved to a flash memory card (via USB) for use on a home computer.

### MOISTURE CONTROL

Every GSI Vision dryer is equipped with three different styles of moisture control. Users select the mode that best fits their needs in a particular situation.

- 1 Temperature Based 2 Speed with optional 5 Speed Mode:** This temperature based control uses grain temperature to determine the final moisture content. As grain moisture increases or decreases from the desired moisture set point, the metering rolls speed up or slow down an amount pre-determined by the user in order for the dryer to bring the moisture level back to the desired setting. The optional 5 Speed Mode includes automatic speed averaging. When moisture changes significantly, all 5 speeds will change accordingly to bring the operation back into synch with the output moisture.
- 2 Moisture Based Infinite Speed:** This is a moisture-based system that extracts data from three different points in the dryer: the moisture of the incoming grain, the temperature of the grain in the middle of the dryer, and the grain moisture upon exiting the dryer. All three measurements are factored to determine final moisture. Simply enter the desired moisture set point for finished grain and the Vision's moisture control will speed up or slow down the metering rolls to maintain moisture at the desired setting. This setting makes very slow and calculated adjustments to the grain and is most effective when the moisture of the incoming grain does not vary much and is within a narrow range, i.e. one or two points.
- 3 Moisture Based 5 Speed:** This moisture control method makes very quick meter roll changes and uses only the rear (exiting grain) sensor for adjustments. This setting works best when the moisture of the incoming grain varies quite a bit and has a wider degree of variance, i.e. three or more points.

### ELECTRICAL CONTROL FEATURES

- Exclusive MET (nationally recognized testing lab) approved controls.
  - Built to UL 508a specifications: Nationally recognized (US & Canada) CSA electrical compliant.
  - IEC Branch Breakers: IEC controls are higher quality, rated for more cycles, and meet domestic and international electric codes. All dryers have branch breakers for each motor.
  - IEC Motor Overloads: IEC overloads allow a wide range of adjustment to accommodate variances in incoming voltage.
  - Auxiliary Auger IEC Contactors/Overloads\*: Load and unload auxiliary motor branch circuits are standard. If load and unload HP are specified at time of order, GSI will install properly sized breaker, contactor, and overload for customer's application.
  - Entelec Terminals: Color-coded Entelec terminals are used for all computer control circuits connections, making for easy installation, diagnosis and service.
  - Safety Disconnect\*: For safely disconnecting power from main panel for servicing dryer controls. Also provides an easy connection point for incoming electric supply.
  - Work Light and Shutdown Indicator: The light on the outside of the dryer doubles as a shutdown indicator.
- \*Provides significant cost savings over dryers that neglect these features.

# VISION NETWORK DRYER CONTROLS

## "DEFINING THE FUTURE OF NETWORK DRYER CONTROLS"

Welcome to a new era in network dryer controls.

The GSI Vision dryer control system provides users with unmatched options and control for the very best results. The first and only dryer on the market that software updates are downloadable from the web and transferred to the dryer from a USB Flash Drive.

### MOISTURE CONTROL FEATURES

- Every GSI Vision dryer is equipped with three different styles of moisture control, allowing greater flexibility for a variety of needs and settings.
- Integrated into main control of dryer
- Graphing and time stamping
- Software updates are always available by download from the GSI web site and all that is needed to do the update is a simple Flash Memory Card or any USB based removable drive

### VISION CONTROL FEATURES

- 10.4" TFT Diagonal color screen (Touch Screen Control)
- No moving parts (timers, time delays, thermostats)
- 32 Bit Microprocessor Control
- Each Safety monitored individually and its status displayed on screen
- All shut-downs logged with time and date
- Remote mounted control box requires just a simple seven wire harness
- Load and Unload Auxiliary Contactors and Overloads on every dryer
- Safety Disconnect on every dryer
- Low voltage safety circuit
- USB Flash Drive to transfer data to personal computer
- Optional printer

**DRYER STARTED**

**DRYER STATUS CHART**

| SAMPLE TIME  | GRAIN TEMP | MOIST IN | MOIST OUT | TEMP OUT | M.R.O. | OFF |
|--------------|------------|----------|-----------|----------|--------|-----|
| 10:49AM 1/31 | 100°F      | 24.9%    | 16.5%     | 32°F     | 0 %    | ▲   |
| 10:51AM 1/31 | 100°F      | 24.9%    | 16.5%     | 32°F     | 0 %    |     |
| 10:53AM 1/31 | 100°F      | 24.9%    | 16.5%     | 32°F     | 0 %    |     |
| 10:55AM 1/31 | 100°F      | 24.9%    | 16.5%     | 32°F     | 0 %    |     |
| 10:56AM 1/31 | 100°F      | 24.9%    | 16.5%     | 32°F     | 0 %    |     |
| 10:57AM 1/31 | 100°F      | 24.9%    | 16.5%     | 32°F     | 0 %    |     |
| 12:24PM 1/31 | 100°F      | 19.1%    | 16.5%     | 32°F     | 0 %    |     |
| 1:43PM 1/31  | 120°F      | 21.7%    | 16.5%     | 32°F     | 0 %    | ▼   |

**PLENUM(S)**

SETPOINT **180 °F**

**53 °F**

HIGH FIRE

121°F

SP 100°F

Timers Temp Setup View MIC

### TIMERS CONFIGURATION SCREEN

SELECT TIMER TO MODIFY

**Load Startup Delay**

**Load Timer** Reload Value 000 Minutes 00 Seconds

Sets the minimum time delay between dryer calling for grain and the start of the load motor.

[Default = 2 Minute]  
[Range is 15 Seconds to 10 Minutes]

**Out of Grain Timer**

**Out of Grain Timer** Reload Value 000 Minutes 00 Seconds

Value for previous load operation was 10 Minutes and 12 Seconds.

Sets maximum time allowed for dryer to fill.

[Default = 8 Minutes]  
[Range is 0 to 30 Minutes]

**Fan Startup Delay**

**Fan Delay** Reload Value 000 Minutes 00 Seconds

Sets the minimum time delay between the start of each fan.

[Default = 3 Seconds]  
[Range is 1 to 15 Seconds]

**Unload Cleanout Delay**

**Unload Delay** Reload Value 000 Minutes 00 Seconds

Sets the amount of time unload auger(s) run after unload system is turned off.

[Default = 1 Minute]  
[Range is 0 to 10 Minutes]

Exit

### Modifying Timer Setpoint

SELECT TIMER TO MODIFY

Modifying Timer Setpoint

000 : 00

7 8 9 DEFAULT 7 8 9

4 5 6 ACCEPT 4 5 6

1 2 3 CANCEL 1 2 3

0 DELETE CANCEL 0 DELETE

Exit

### ADVANCED MOISTURE CONTROL

12:48 PM Wednesday Mar 01, 2006  
VER: P3.00

GRAIN TEMPERATURE / MOISTURE

IN 0.0

OUT 0.0

IN OUT CRTR MAN

NON RESISTOR

UNLOAD STATUS

Bushel/Hour: 0  
Total Bushels: 0

Printer Mode

Next

Timers Temp Setup View MIC



printer is an optional feature

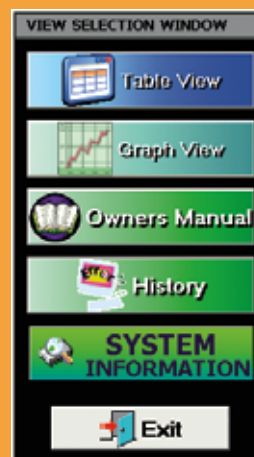
### CONTROL SETUP



### SETUP CONFIGURATION SCREEN



### VIEW SELECTION SCREEN



On-Screen Owner's Manual



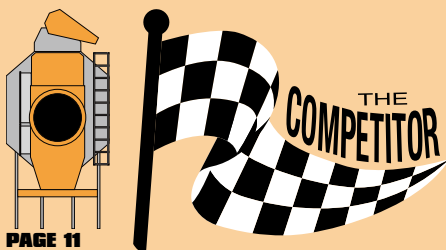
Shutdown Help File



# SPECIFICATIONS COMPETITOR 100 SERIES DRYER

|   | 108   | 112   | 114   | 116   | 118   | 120   | 122   | 126   |
|---|---|---|---|---|---|---|---|---|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup> (Metric Tonnes/Hour)</b> |   |   |   |   |   |   |   |   |
| Dry and Cool 25% to 15%   | 4.19  | 5.59  | 6.6   | 7.11  | 8.13  | 9.14  | 9.91  | 11.56   |
| Dry and Cool 20% to 15%   | 5.59  | 7.37  | 8.64  | 9.4   | 10.92   | 12.07   | 13.21   | 15.37   |
| Full Heat 30% to 15% <sup>2</sup>                                     | 4.83  | 6.48  | 7.62  | 8.13  | 9.65  | 10.54   | 11.68   | 13.72   |
| Full Heat 25% to 15% <sup>2</sup>                                     | 6.6   | 8.76  | 10.29   | 11.18   | 12.83   | 14.22   | 15.49   | 18.16   |
| Full Heat 20% to 15% <sup>2</sup>                                     | 10.67                                       | 14.22                                       | 16.51   | 18.03   | 20.7  | 22.99   | 25.15   | 29.34   |
| <b>Grain Columns</b>  |   |   |   |   |   |   |   |   |
|   | 35.56 cm<br>x 2.438 m<br>Long               | 35.56 cm<br>x 3.658 m<br>Long               | 35.56 cm<br>x 4.267 m<br>Long                 | 35.56 cm<br>x 4.877 m<br>Long                 | 35.56 cm<br>x 5.486 m<br>Long                 | 35.56 cm<br>x 6.096 m<br>Long                 | 35.56 cm<br>x 6.705 m<br>Long                 | 35.56 cm<br>x 7.925 m<br>Long                 |
| Total Holding Capacity (Metric Tonnes)                                | 6.05  | 8.31  | 9.68  | 11.07   | 12.45   | 13.82   | 15.22   | 17.98   |
| Grain Column Holding Capacity (Metric Tonnes)                         | 5.08  | 7.16  | 8.36  | 9.55  | 10.74   | 11.94   | 13.13   | 15.52   |
| <b>Top Auger (Loading)</b>  |   |   |   |   |   |   |   |   |
|   | "20.32 cm<br>1.491 kw"                      | "20.32 cm<br>1.491 kw"                      | "20.32 cm<br>2.237 kw"                        | "20.32 cm<br>3.728 kw"                        | "20.32 cm<br>3.728 kw"                        | "20.32 cm<br>5.593 kw"                        | "20.32 cm<br>5.593 kw"                        | "20.32 cm<br>7.457 kw"                        |
| Capacity (Metric Tonnes/Hour)   | 96.52                                       | 96.52                                       | 96.52   | 96.52   | 96.52   | 96.52   | 96.52   | 96.52   |
| <b>Bottom Auger (Unloading)</b>                                       |   |   |   |   |   |   |   |   |
|   | 20.32 cm<br>x 25.4 cm<br>Tube @<br>1.119 kw | 20.32 cm<br>x 25.4 cm<br>Tube @<br>1.119 kw | "20.32 cm<br>x 25.4 cm<br>Tube @<br>2.237 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>3.728 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>3.728 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>5.593 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>5.593 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>7.457 kw" |
| <b>Meter Roll Drive</b>   |   |   |   |   |   |   |   |   |
|   | SCR, .25<br>kW                              | SCR, .25<br>kW                              | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                |
| Maximum Capacity (Metric Tonnes/Hour)                                 | 28.58                                       | 42.67                                       | 49.79   | 56.9  | 64.01   | 71.12   | 78.24   | 92.46   |
| <b>Transport Length (Hitch to Discharge Auger)</b>                    |   |   |   |   |   |   |   |   |
|   | 5.232 m                                     | 6.451 m                                     | 7.061 m                                       | 7.671 m                                       | 8.280 m                                       | 8.89 m  | 9.5 m   | 10.719 m                                      |
| Transport Width   | 2.438 m                                     | 2.438 m                                     | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       |
| Transport Height <sup>3</sup>   | "4.089 m<br>(3.581 m)"                      | "4.089 m<br>(3.581 m)"                      | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        |
| <b>Transport Weight, approximate (Less Transport Kit)</b>             |   |   |   |   |   |   |   |   |
|   | 2268 kg                                     | 2858 kg                                     | 3175 kg                                       | 3402 kg                                       | 3629 kg                                       | 3946 kg                                       | 4082 kg                                       | 4990 kg                                       |
| <b>Installed Length</b>   |   |   |   |   |   |   |   |   |
|   | 4.623 m                                     | 5.842 m                                     | 6.451 m                                       | 7.061 m                                       | 7.671 m                                       | 8.280 m                                       | 8.89 m  | 10.11 m                                       |
| <b>Installed Width</b>  |   |   |   |   |   |   |   |   |
|   | 2.438 m                                     | 2.438 m                                     | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       |
| <b>Installed Height<sup>4</sup> (Excluding Foundation Supports)</b>   |   |   |   |   |   |   |   |   |
|   | 4.420 m                                     | 4.420 m                                     | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       |
| <b>Fans (Belt Drive)</b>  |   |   |   |   |   |   |   |   |
|   | "11.185 kw<br>.914 m"                       | "11.185 kw<br>.914 m"                       | "11.185 kw<br>1.016 m"                        | "11.185 kw<br>1.016 m"                        | "14.914 kw<br>1.067 m"                        | "18.642 kw<br>1.067 m"                        | "22.371 kw<br>1.067 m"                        | "29.828 kw<br>1.067 m"                        |
| <b>Heaters (Max BTU)</b>  |   |   |   |   |   |   |   |   |
|   | "3.5 Mil<br>btu/hr"                         | "4.5 Mil.<br>Btu/hr"                        | "5.75 Mil.<br>btu/hr"                         | "5.75 Mil.<br>Btu/hr"                         | "6.75 Mil<br>btu/hr"                          | "7.5 Mil.<br>Btu/hr"                          | "8.75 Mil.<br>Btu/hr"                         | "10.25 Mil.<br>Btu/hr"                        |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |   |   |   |   |   |   |   |   |
| Three Phase, 380 Volt   | 31 amps                                     | 31 amps                                     | 33.8 amps                                     | 41.2 amps                                     | 48.2 amps                                     | 64.4 amps                                     | 71.4 amps                                     | 89 amps                                       |

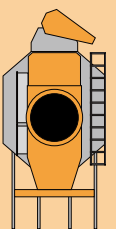
- <sup>1</sup> Capacities are wet bushels at input moisture content.
- <sup>2</sup> Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.
- <sup>3</sup> Shortest possible height in ( ).
- <sup>4</sup> Height with wet bin. Deduct 18" in height for standard top.
- <sup>5</sup> Maximum running load less auxiliary auger motors.



# SPECIFICATIONS 1100 SERIES DRYER

|   | 1108  | 1112  | 1114  | 1116  | 1118  | 1120  | 1122  | 1126  |
|---|---|---|---|---|---|---|---|---|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup></b> (Metric Tonnes/Hour) |   |   |   |   |   |   |   |   |
| Dry and Cool 25% to 15%   | 4.19  | 5.59  | 6.6   | 7.11  | 8.13  | 9.14  | 9.91  | 11.56   |
| Dry and Cool 20% to 15%   | 5.59  | 7.37  | 8.64  | 9.4   | 10.92   | 12.07   | 13.21   | 15.37   |
| Full Heat 30% to 15% <sup>2</sup>                                     | 4.83  | 6.48  | 7.62  | 8.13  | 9.65  | 10.54   | 11.68   | 13.72   |
| Full Heat 25% to 15% <sup>2</sup>                                     | 6.6   | 8.76  | 10.29   | 11.18   | 12.83   | 14.22   | 15.49   | 18.16   |
| Full Heat 20% to 15% <sup>2</sup>                                     | 10.67                                       | 14.22                                       | 16.51   | 18.03   | 20.7  | 22.99   | 25.15   | 29.34   |
| <b>Grain Columns</b>  |   |   |   |   |   |   |   |   |
|   | 35.56 cm<br>x 2.438 m<br>Long               | 35.56 cm<br>x 3.658 m<br>Long               | 35.56 cm<br>x 4.267 m<br>Long                 | 35.56 cm<br>x 4.877 m<br>Long                 | 35.56 cm<br>x 5.486 m<br>Long                 | 35.56 cm<br>x 6.096 m<br>Long                 | 35.56 cm<br>x 6.705 m<br>Long                 | 35.56 cm<br>x 7.925 m<br>Long                 |
| Total Holding Capacity (Metric Tonnes)                                | 6.05  | 8.31  | 9.68  | 11.07   | 12.45   | 13.82   | 15.22   | 17.98   |
| Grain Column Holding Capacity (Metric Tonnes)                         | 5.08  | 7.16  | 8.36  | 9.55  | 10.74   | 11.94   | 13.13   | 15.52   |
| <b>Top Auger (Loading)</b>  |   |   |   |   |   |   |   |   |
|   | "20.32 cm<br>1.491 kw"                      | "20.32 cm<br>1.491 kw"                      | "20.32 cm<br>2.237 kw"                        | "20.32 cm<br>3.728 kw"                        | "20.32 cm<br>3.728 kw"                        | "20.32 cm<br>5.593 kw"                        | "20.32 cm<br>5.593 kw"                        | "20.32 cm<br>7.457 kw"                        |
| Capacity (Metric Tonnes/Hour)   | 96.52                                       | 96.52                                       | 96.52   | 96.52   | 96.52   | 96.52   | 96.52   | 96.52   |
| <b>Bottom Auger (Unloading)</b>                                       |   |   |   |   |   |   |   |   |
|   | 20.32 cm<br>x 25.4 cm<br>Tube @<br>1.119 kw | 20.32 cm<br>x 25.4 cm<br>Tube @<br>1.119 kw | "20.32 cm<br>x 25.4 cm<br>Tube @<br>2.237 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>3.728 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>3.728 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>5.593 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>5.593 kw" | "20.32 cm<br>x 25.4 cm<br>Tube @<br>7.457 kw" |
| <b>Meter Roll Drive</b>   |   |   |   |   |   |   |   |   |
|   | SCR, .25<br>kW                              | SCR, .25<br>kW                              | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                | SCR, .25<br>kW                                |
| Maximum Capacity (Metric Tonnes/Hour)                                 | 28.58                                       | 42.67                                       | 49.79   | 56.9  | 64.01   | 71.12   | 78.24   | 92.46   |
| <b>Transport Length (Hitch to Discharge Auger)</b>                    |   |   |   |   |   |   |   |   |
|   | 5.232 m                                     | 6.451 m                                     | 7.061 m                                       | 7.671 m                                       | 8.280 m                                       | 8.89 m  | 9.5 m   | 10.719 m                                      |
| Transport Width   | 2.438 m                                     | 2.438 m                                     | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       |
| Transport Height <sup>3</sup>   | "4.089 m<br>(3.581 m)"                      | "4.089 m<br>(3.581 m)"                      | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        | "4.089 m<br>(3.581 m)"                        |
| <b>Transport Weight, approximate (Less Transport Kit)</b>             |   |   |   |   |   |   |   |   |
|   | 2268 kg                                     | 2858 kg                                     | 3175 kg                                       | 3402 kg                                       | 3629 kg                                       | 3946 kg                                       | 4082 kg                                       | 4990 kg                                       |
| <b>Installed Length</b>   |   |   |   |   |   |   |   |   |
|   | 4.623 m                                     | 5.842 m                                     | 6.451 m                                       | 7.061 m                                       | 7.671 m                                       | 8.280 m                                       | 8.89 m  | 10.11 m                                       |
| <b>Installed Width</b>  |   |   |   |   |   |   |   |   |
|   | 2.438 m                                     | 2.438 m                                     | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       | 2.438 m                                       |
| <b>Installed Height<sup>4</sup> (Excluding Foundation Supports)</b>   |   |   |   |   |   |   |   |   |
|   | 4.420 m                                     | 4.420 m                                     | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       | 4.420 m                                       |
| <b>Fans (Belt Drive)</b>  |   |   |   |   |   |   |   |   |
|   | "11.185 kw<br>.914 m"                       | "11.185 kw<br>.914 m"                       | "11.185 kw<br>1.016 m"                        | "11.185 kw<br>1.016 m"                        | "14.914 kw<br>1.067 m"                        | "18.642 kw<br>1.067 m"                        | "22.371 kw<br>1.067 m"                        | "29.828 kw<br>1.067 m"                        |
| <b>Heaters (Max BTU)</b>  |   |   |   |   |   |   |   |   |
|   | "3.5 Mil<br>btu/hr"                         | "4.5 Mil.<br>Btu/hr"                        | "5.75 Mil.<br>btu/hr"                         | "5.75 Mil.<br>Btu/hr"                         | "6.75 Mil<br>btu/hr"                          | "7.5 Mil.<br>Btu/hr"                          | "8.75 Mil.<br>Btu/hr"                         | "10.25 Mil.<br>Btu/hr"                        |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |   |   |   |   |   |   |   |   |
| Three Phase, 380 Volt   | 31 amps                                     | 31 amps                                     | 33.8 amps                                     | 41.2 amps                                     | 48.2 amps                                     | 64.4 amps                                     | 71.4 amps                                     | 89 amps                                       |

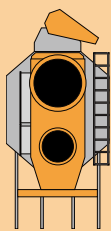
- <sup>1</sup> Capacities are wet bushels at input moisture content.
- <sup>2</sup> Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.
- <sup>3</sup> Shortest possible height in ( ).
- <sup>4</sup> Height with wet bin. Deduct 18" in height for standard top.
- <sup>5</sup> Maximum running load less auxiliary auger motors.



# SPECIFICATIONS 1200 SERIES DRYER

|   | 1214                       | 1216                       | 1218                       | 1220                       | 1222                       | 1226                       |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup> (Metric Tonnes/Hour)</b> |                            |                            |                            |                            |                            |                            |
| Dry and Cool 25% to 15%   | 6.35                       | 7.37                       | 8                          | 8.76                       | 10.03                      | 11.43                      |
| Dry and Cool 20% to 15%   | 10.16                      | 11.81                      | 12.83                      | 14.22                      | 16.26                      | 18.42                      |
| Full Heat 30% to 15% <sup>2</sup>                                     | 8.51                       | 9.65                       | 10.54                      | 11.07                      | 12.32                      | 13.84                      |
| Full Heat 25% to 15% <sup>2</sup>                                     | 10.54                      | 12.07                      | 13.21                      | 14.99                      | 16.51                      | 18.54                      |
| Full Heat 20% to 15% <sup>2</sup>                                     | 17.27                      | 19.43                      | 21.34                      | 24.13                      | 26.8                       | 29.97                      |
| <b>Grain Columns</b>  |                            |                            |                            |                            |                            |                            |
| Grain Columns   | 35.56 cm x<br>4.267 m Long | 35.56 cm x<br>4.877 m Long | 35.56 cm x<br>5.486 m Long | 35.56 cm x<br>6.096 m Long | 35.56 cm x<br>6.705 m Long | 35.56 cm x<br>7.925 m Long |
| Total Holding Capacity (Metric Tonnes)                                | 9.68                       | 11.07                      | 12.45                      | 13.82                      | 15.22                      | 17.98                      |
| Grain Column Holding Capacity (Metric Tonnes)                         | 8.36                       | 9.55                       | 10.74                      | 11.94                      | 13.13                      | 15.52                      |
| <b>Top Auger (Loading)</b>  |                            |                            |                            |                            |                            |                            |
| Capacity (Metric Tonnes/Hour)   | 96.52                      | 96.52                      | 96.52                      | 96.52                      | 96.52                      | 96.52                      |
| <b>Bottom Auger (Unloading)</b>                                       |                            |                            |                            |                            |                            |                            |
| Capacity (Metric Tonnes/Hour)   | 96.52                      | 96.52                      | 96.52                      | 96.52                      | 96.52                      | 96.52                      |
| <b>Meter Roll Drive</b>   |                            |                            |                            |                            |                            |                            |
| Maximum Capacity (Metric Tonnes/Hour)                                 | 49.79                      | 56.9                       | 64.01                      | 71.12                      | 78.24                      | 92.46                      |
| <b>Transport Length (Hitch to Discharge Auger)</b>                    |                            |                            |                            |                            |                            |                            |
| Transport Length  | 7.061 m                    | 7.671 m                    | 8.280 m                    | 8.89 m                     | 9.5 m                      | 10.719 m                   |
| <b>Transport Width</b>  |                            |                            |                            |                            |                            |                            |
| Transport Width   | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    |
| <b>Transport Height<sup>3</sup></b>                                   |                            |                            |                            |                            |                            |                            |
| Transport Height  | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     |
| <b>Transport Weight, approximate (Less Transport Kit)</b>             |                            |                            |                            |                            |                            |                            |
| Transport Weight  | 3447 kg                    | 3719 kg                    | 4082 kg                    | 4445 kg                    | 4762 kg                    | 5443.1 kg                  |
| <b>Installed Length</b>   |                            |                            |                            |                            |                            |                            |
| Installed Length  | 6.451 m                    | 7.061 m                    | 7.671 m                    | 8.280 m                    | 8.89 m                     | 10.11 m                    |
| <b>Installed Width</b>  |                            |                            |                            |                            |                            |                            |
| Installed Width   | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    |
| <b>Installed Height<sup>4</sup> (Excluding Foundation Supports)</b>   |                            |                            |                            |                            |                            |                            |
| Installed Height  | 4.420 m                    | 4.420 m                    | 4.420 m                    | 4.420 m                    | 4.420 m                    | 4.420 m                    |
| <b>Fans (Belt Drive) &amp; Heaters (Max BTU)</b>                      |                            |                            |                            |                            |                            |                            |
| <b>Fan 1</b>  |                            |                            |                            |                            |                            |                            |
| Fan 1   | "11.185 kW<br>.711 m"      | "11.185 kW<br>.711 m"      | "11.185 kW<br>.711 m"      | "11.185 kW<br>.711 m"      | "11.185 kW<br>.711 m"      | "11.185 kW<br>.711 m"      |
| <b>Fan 2</b>  |                            |                            |                            |                            |                            |                            |
| Fan 2   | "11.185 kW<br>.914 m"      | "11.185 kW<br>.914 m"      | "11.185 kW<br>.914 m"      | "11.185 kW<br>1.016 m"     | "14.914 kW<br>1.067 m"     | "18.642 kW<br>1.067 m"     |
| <b>Heater 1</b>   |                            |                            |                            |                            |                            |                            |
| Heater 1  | "3.00 Mil.<br>btu/hr"      | "3.00 Mil.<br>btu/hr"      | "3.00 Mil.<br>btu/hr"      | "3.00 Mil.<br>btu/hr"      | "3.00 Mil.<br>btu/hr"      | "3.00 Mil.<br>btu/hr"      |
| <b>Heater 2</b>   |                            |                            |                            |                            |                            |                            |
| Heater 2  | "4.50 Mil.<br>btu/hr"      | "4.50 Mil.<br>btu/hr"      | "4.50 Mil.<br>btu/hr"      | "5.50 Mil.<br>btu/hr"      | "6.75 Mil.<br>btu/hr"      | "7.50 Mil.<br>btu/hr"      |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |                            |                            |                            |                            |                            |                            |
| Three Phase, 380 Volt   | 66.2 amps                  | 66.2 amps                  | 66.2 amps                  | 75.4 amps                  | 82.4 amps                  | 95 amps                    |

- <sup>1</sup> Capacities are wet bushels at input moisture content.
- <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> Shortest possible height in ( ).
- <sup>4</sup> Height with wet bin. Deduct 18" in height for standard top.
- <sup>5</sup> Maximum running load less auxiliary auger motors.



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**DRYERS MODELS: 1220, 1222, 1226**



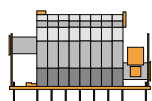
- Exclusive mixing chambers blend heated drying air for even drying
- Eliminates front-to-back moisture variation and heat loss, resulting in better grain quality and higher efficiency drying
- Field-tested and proven

# SPECIFICATIONS 1200S SERIES DRYER

|   | 1214S                       | 1218S                       | 1220S                       | 1222S                       | 1226S                        |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup> (Metric Tonnes/Hour)</b> |                             |                             |                             |                             |                              |
| Dry and Cool 25% to 15% Staged Batch                                  | 6.6                         | 8.76                        | 10.03                       | 10.92                       | 13.46                        |
| Dry and Cool 20% to 15% Staged Batch                                  | 9.14                        | 11.43                       | 13.21                       | 14.35                       | 17.78                        |
| Dry and Cool 25% to 15%   | 5.08                        | 6.1                         | 7.11                        | 7.62                        | 9.53                         |
| Dry and Cool 20% to 15%   | 8.26                        | 9.78                        | 11.3                        | 12.32                       | 15.24                        |
| Full Heat 30% to 15% <sup>2</sup>                                     | 7.75                        | 10.03                       | 11.56                       | 12.57                       | 15.75                        |
| Full Heat 25% to 15% <sup>2</sup>                                     | 11.43                       | 13.59                       | 15.62                       | 17.02                       | 20.83                        |
| Full Heat 20% to 15% <sup>2</sup>                                     | 18.42                       | 21.84                       | 25.15                       | 27.43                       | 33.78                        |
| Basic Construction  | 1 Module                    | 1 Module                    | 1 Module                    | 1 Module                    | 1 Module                     |
|   | 2 Stages                    | 2 Stages                    | 2 Stages                    | 2 Stages                    | 2 Stages                     |
| Grain Columns   | 35.56 cm x<br>4.267 m Long  | 35.56 cm x<br>5.486 m Long  | 35.56 cm x<br>6.096 m Long  | 35.56 cm x<br>6.705 m Long  | 35.56 cm x<br>7.925 m Long   |
| Total Holding Capacity (Metric Tonnes)                                | 9.68                        | 12.45                       | 13.82                       | 15.22                       | 17.98                        |
| Grain Column Holding Capacity (Metric Tonnes)                         | 8.36                        | 10.74                       | 11.94                       | 13.13                       | 15.52                        |
| Top Auger (Loading)   | 3.728 kW                    | 3.728 kW                    | 5.593 kW                    | 5.593 kW                    | 7.457 kW                     |
| Capacity (Metric Tonnes/Hour)   | 96.52                       | 96.52                       | 96.52                       | 96.52                       | 96.52                        |
| Bottom Auger (Unloading)  | 3.728 kW                    | 3.728 kW                    | 5.593 kW                    | 5.593 kW                    | 7.457 kW                     |
| Meter Roll Drive  | SCR, .25 kW                 | SCR, .25 kW                 | SCR, .25 kW                 | SCR, .25 kW                 | SCR, .25 kW                  |
| Maximum Capacity (Metric Tonnes/Hour)                                 | 49.79                       | 64.01                       | 71.12                       | 78.24                       | 92.46                        |
| Transport Length (Hitch to Discharge Auger)                           | 7.061 m                     | 8.280 m                     | 8.89 m                      | 9.5 m                       | 10.719 m                     |
| Transport Width   | 2.438 m                     | 2.438 m                     | 2.438 m                     | 2.438 m                     | 2.438 m                      |
| Transport Height <sup>3</sup>   | "4.089 m<br>(3.581 m)"      | "4.089 m<br>(3.581 m)"      | "4.089 m<br>(3.581 m)"      | "4.089 m<br>(3.581 m)"      | "4.089 m<br>(3.581 m)"       |
| Installed Length  | 6.451 m                     | 7.671 m                     | 8.280 m                     | 8.89 m                      | 10.11 m                      |
| Installed Width   | 2.642 m                     | 2.642 m                     | 2.642 m                     | 2.642 m                     | 2.642 m                      |
| Installed Height <sup>4</sup><br>(Excluding Foundation Supports)      | 4.420 m                     | 4.420 m                     | 4.420 m                     | 4.420 m                     | 4.420 m                      |
| <b>Fans (Belt Drive) &amp; Heaters (Max BTU)</b>                      |                             |                             |                             |                             |                              |
| Fans  | "2 @ 11.185 kW<br>.711 m"   | "2 @ 11.185 kW<br>.914 m"   | "2 @ 11.185 kW<br>.914 m"   | "2 @ 11.185 kW<br>.914 m"   | "2 @ 18.642 kW<br>1.016 m"   |
| Heaters   | "2 @<br>3.5 Mil.<br>btu/hr" | "2 @<br>4.5 Mil.<br>btu/hr" | "2 @<br>4.5 Mil.<br>btu/hr" | "2 @<br>4.5 Mil.<br>btu/hr" | "2 @<br>6.75 Mil.<br>btu/hr" |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |                             |                             |                             |                             |                              |
| Three Phase, 380 Volt   | 66.2 amps                   | 66.2 amps                   | 75.4 amps                   | 75.4 amps                   | 109 amps                     |

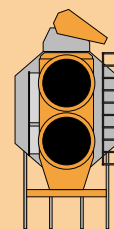
- <sup>1</sup> Capacities are wet bushels at input moisture content.
- <sup>2</sup> Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.
- <sup>3</sup> Shortest possible height in ( ).
- <sup>4</sup> Height with wet bin. Deduct 18" in height for standard top.
- <sup>5</sup> Maximum running load less auxiliary auger motors.

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**X-STREAM**



**DRYERS MODELS: ALL 1200S SERIES**

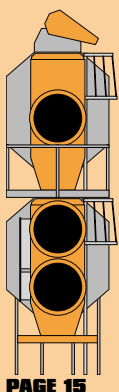
- Exclusive mixing chambers blend heated drying air for even drying
- Eliminates front-to-back moisture variation and heat loss, resulting in better grain quality and higher efficiency drying
- Field-tested and proven



# SPECIFICATIONS 2300 SERIES DRYER

|   | 2314                       | 2318                       | 2320                       | 2322                       | 2326                       |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup> (Metric Tonnes/Hour)</b> |                            |                            |                            |                            |                            |
| Dry and Cool 25% to 15%   | 15.62                      | 19.56                      | 21.59                      | 23.62                      | 28.7                       |
| Dry and Cool 20% to 15%   | 25.27                      | 31.37                      | 34.93                      | 38.1                       | 46.61                      |
| Full Heat 30% to 15% <sup>2</sup>                                     | 17.02                      | 21.08                      | 23.5                       | 25.66                      | 30.48                      |
| Full Heat 25% to 15% <sup>2</sup>                                     | 22.86                      | 28.45                      | 31.62                      | 34.42                      | 42.42                      |
| Full Heat 20% to 15% <sup>2</sup>                                     | 36.96                      | 45.85                      | 51.06                      | 55.76                      | 68.58                      |
| Basic Construction  | 2 Module<br>4 Stages       | 2 Module<br>4 Stages       | 2 Module<br>4 Stages       | 2 Module<br>4 Stages       | 2 Module<br>4 Stages       |
| Grain Columns   | 35.56 cm x<br>4.267 m Long | 35.56 cm x<br>5.486 m Long | 35.56 cm x<br>6.096 m Long | 35.56 cm x<br>6.705 m Long | 35.56 cm x<br>7.925 m Long |
| Total Holding Capacity (Metric Tonnes)                                | 18.57                      | 23.88                      | 26.52                      | 29.19                      | 33.12                      |
| Grain Column Holding Capacity (Metric Tonnes)                         | 17.25                      | 22.18                      | 24.64                      | 27.1                       | 32.03                      |
| Top Auger (Loading)<br>Capacity (Metric Tonnes/Hour)                  | 3.728 kW<br>96.52          | 3.728 kW<br>96.52          | 5.593 kW<br>96.52          | 5.593 kW<br>96.52          | 7.457 kW<br>96.52          |
| Bottom Auger (Unloading)  | 3.728 kW                   | 3.728 kW                   | 5.593 kW                   | 5.593 kW                   | 7.457 kW                   |
| Meter Roll Drive<br>Maximum Capacity (Metric Tonnes/Hour)             | SCR, .25 kW<br>49.79       | SCR, .25 kW<br>64.01       | SCR, .25 kW<br>71.12       | SCR, .25 kW<br>78.24       | SCR, .25 kW<br>92.46       |
| Transport Length (Hitch to Discharge Auger)                           | 7.061 m                    | 8.280 m                    | 8.89 m                     | 9.5 m                      | 10.719 m                   |
| Transport Width   | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    |
| Transport Height <sup>3</sup>   | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     |
| Installed Length  | 7.264 m                    | 8.484 m                    | 9.093 m                    | 9.702 m                    | 10.922 m                   |
| Installed Width   | 2.642 m                    | 2.642 m                    | 2.642 m                    | 2.642 m                    | 2.642 m                    |
| Installed Height <sup>4</sup><br>(Excluding Foundation Supports)      | 7.899 m                    | 7.899 m                    | 7.899 m                    | 7.899 m                    | 7.899 m                    |
| <b>Fans (Belt Drive) &amp; Heaters (Max BTU)</b>                      |                            |                            |                            |                            |                            |
| Fans 1 & 2 (Bottom Module)  | "2 @ 11.185 kW<br>.711 m"  | "2 @ 11.185 kW<br>.914 m"  | "2 @ 11.185 kW<br>.914 m"  | "2 @ 11.185 kW<br>.914 m"  | "2 @ 18.642 kW<br>1.016 m" |
| Fan 3 (Top Module)  | "1 @ 11.185 kW<br>1.016 m" | "1 @ 14.914 kW<br>1.067 m" | "1 @ 18.642 kW<br>1.067 m" | "1 @ 22.371 kW<br>1.067 m" | "1 @ 29.828 kW<br>1.067 m" |
| Heaters 1 & 2 (Bottom Module)   | "2 @ 3.5 Mil.<br>btu/hr"   | "2 @ 4.5 Mil.<br>btu/hr"   | "2 @ 4.5 Mil.<br>btu/hr"   | "2 @ 4.5 Mil.<br>btu/hr"   | "2 @ 6.75 Mil.<br>btu/hr"  |
| Heater 3 (Top Module)   | "1 @ 5.5 Mil.<br>btu/hr"   | "1 @ 6.75 Mil.<br>btu/hr"  | "1 @ 7.5 Mil.<br>btu/hr"   | "1 @ 8.75 Mil.<br>btu/hr"  | "1 @ 10.75 Mil.<br>btu/hr" |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |                            |                            |                            |                            |                            |
| Three Phase, 380 Volt   | 91.2 amps                  | 98.2 amps                  | 114.4 amps                 | 121.4 amps                 | 167 amps                   |

- <sup>1</sup> Capacities are wet bushels at input moisture content.
- <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> Shortest possible height in ( ).
- <sup>4</sup> Height with wet bin. Deduct 18" in height for standard top.
- <sup>5</sup> Maximum running load less auxiliary auger motors.



Also check out our

# X-STREAM™

**DRYERS MODELS: ALL 2300 SERIES**

- Exclusive mixing chambers blend heated drying air for even drying
- Eliminates front-to-back moisture variation and heat loss, resulting in better grain quality and higher efficiency drying
- Field-tested and proven
- GSI patented Grain Inverters available (highly recommended but optional equipment)

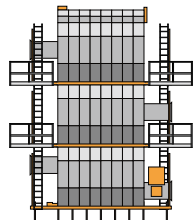


# SPECIFICATIONS 3400 SERIES DRYER

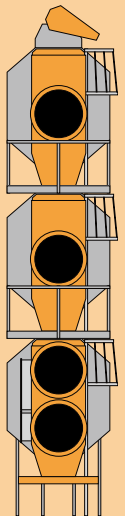
|   | 3414                       | 3418                       | 3420                       | 3422                       | 3426                       |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup></b> (Metric Tonnes/Hour) |                            |                            |                            |                            |                            |
| Dry and Cool 25% to 15%   | 21.34                      | 26.29                      | 28.45                      | 31.75                      | 38.61                      |
| Dry and Cool 20% to 15%   | 34.04                      | 42.29                      | 45.72                      | 51.18                      | 62.11                      |
| Full Heat 30% to 15% <sup>2</sup>                                     | 25.4                       | 31.75                      | 35.56                      | 38.48                      | 46.36                      |
| Full Heat 25% to 15% <sup>2</sup>                                     | 34.42                      | 42.67                      | 46.36                      | 51.82                      | 62.87                      |
| Full Heat 20% to 15% <sup>2</sup>                                     | 55.63                      | 69.09                      | 74.93                      | 83.82                      | 101.6                      |
| Basic Construction  | 3 Module<br>6 Stages       | 3 Module<br>6 Stages       | 3 Module<br>6 Stages       | 3 Module<br>6 Stages       | 3 Module<br>6 Stages       |
| Grain Columns   | 35.56 cm x<br>4.267 m Long | 35.56 cm x<br>5.486 m Long | 35.56 cm x<br>6.096 m Long | 35.56 cm x<br>6.705 m Long | 35.56 cm x<br>7.925 m Long |
| Total Holding Capacity (Metric Tonnes)                                | 27.28                      | 35.08                      | 38.97                      | 42.88                      | 50.67                      |
| Grain Column Holding Capacity (Metric Tonnes)                         | 25.96                      | 33.38                      | 37.09                      | 40.79                      | 48.21                      |
| Top Auger (Loading)<br>Capacity (Metric Tonnes/Hour)                  | 3.728 kW<br>96.52          | 3.728 kW<br>96.52          | 5.593 kW<br>96.52          | 5.593 kW<br>96.52          | 7.457 kW<br>96.52          |
| Bottom Auger (Unloading)  | 3.728 kW                   | 3.728 kW                   | 5.593 kW                   | 5.593 kW                   | 7.457 kW                   |
| Meter Roll Drive<br>Maximum Capacity (Metric Tonnes/Hour)             | SCR, .25 kW<br>49.79       | SCR, .25 kW<br>64.01       | SCR, .25 kW<br>71.12       | SCR, .25 kW<br>78.24       | SCR, .25 kW<br>92.46       |
| Transport Length (Hitch to Discharge Auger)                           | 7.061 m                    | 8.280 m                    | 8.89 m                     | 9.5 m                      | 10.719 m                   |
| Transport Width   | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    | 2.438 m                    |
| Transport Height <sup>3</sup>   | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     | "4.089 m<br>(3.581 m)"     |
| Installed Length  | 7.264 m                    | 8.484 m                    | 9.093 m                    | 9.702 m                    | 10.922 m                   |
| Installed Width   | 2.642 m                    | 2.642 m                    | 2.642 m                    | 2.642 m                    | 2.642 m                    |
| Installed Height <sup>4</sup><br>(Excluding Foundation Supports)      | 11.354 m                   | 11.354 m                   | 11.354 m                   | 11.354 m                   | 11.354 m                   |
| <b>Fans (Belt Drive) &amp; Heaters (Max BTU)</b>                      |                            |                            |                            |                            |                            |
| Fans 1 & 2 (Bottom Module)  | "2 @ 11.185 kW<br>.711 m"  | "2 @ 11.185 kW<br>.914 m"  | "2 @ 11.185 kW<br>.914 m"  | "2 @ 11.185 kW<br>.914 m"  | "2 @ 18.642 kW<br>1.016 m" |
| Fans 3 & 4 (Middle & Top Module)                                      | "2 @ 11.185 kW<br>1.016 m" | "2 @ 14.914 kW<br>1.067 m" | "2 @ 18.642 kW<br>1.067 m" | "2 @ 22.371 kW<br>1.067 m" | "2 @ 29.828 kW<br>1.067 m" |
| Heaters 1 & 2 (Bottom Module)   | "2 @ 3.5 Mil.<br>btu/hr"   | "2 @ 4.5 Mil.<br>btu/hr"   | "2 @ 4.5 Mil.<br>btu/hr"   | "2 @ 4.5 Mil.<br>btu/hr"   | "2 @ 6.75 Mil.<br>btu/hr"  |
| Heaters 3 & 4 (Middle & Top Module)                                   | "2 @ 5.5 Mil.<br>btu/hr"   | "2 @ 6.75 Mil.<br>btu/hr"  | "2 @ 7.5 Mil.<br>btu/hr"   | "2 @ 8.75 Mil.<br>btu/hr"  | "2 @ 10.25 Mil.<br>btu/hr" |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |                            |                            |                            |                            |                            |
| Three Phase, 380 Volt   | 116.2 amps                 | 130.2 amps                 | 153.4 amps                 | 167.4 amps                 | 225 amps                   |

- Capacities are wet bushels at input moisture content.
- Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.
- Shortest possible height in ( ).
- Height with wet bin. Deduct 18" in height for standard top.
- Maximum running load less auxiliary auger motors.

Also check out our  
  
**DRYERS MODELS: ALL 3400 SERIES**



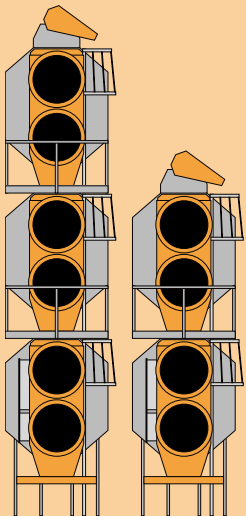
- Exclusive mixing chambers blend heated drying air for even drying
- Eliminates front-to-back moisture variation and heat loss, resulting in better grain quality and higher efficiency drying
- Field-tested and proven
- GSI patented Grain Inverters available (highly recommended but optional equipment)



# SPECIFICATIONS 2400/3600 SERIES DRYER

|   | 2420                        | 2426                         | 3620                         | 3626                          |
|---|-----------------------------|------------------------------|------------------------------|-------------------------------|
| <b>DRYING CAPACITY, SHELLED CORN<sup>1</sup> (Metric Tonnes/Hour)</b> |                             |                              |                              |                               |
| Dry and Cool 25% to 15%   | 21.59                       | 28.7                         | 28.45                        | 38.61                         |
| Dry and Cool 20% to 15%   | 34.93                       | 46.61                        | 45.72                        | 62.11                         |
| Full Heat 30% to 15% <sup>2</sup>                                     | 23.5                        | 30.48                        | 35.56                        | 46.36                         |
| Full Heat 25% to 15% <sup>2</sup>                                     | 31.62                       | 42.42                        | 46.36                        | 62.87                         |
| Full Heat 20% to 15% <sup>2</sup>                                     | 51.06                       | 68.58                        | 74.93                        | 101.6                         |
| Basic Construction  | 2 Module<br>4 Stages        | 2 Module<br>4 Stages         | 3 Module<br>6 Stages         | 3 Module<br>6 Stages          |
| Grain Columns   | 35.56 cm x<br>6.096 m Long  | 35.56 cm x<br>7.925 m Long   | 35.56 cm x<br>6.096 m Long   | 35.56 cm x<br>7.925 m Long    |
| Total Holding Capacity (Metric Tonnes)                                | 26.52                       | 33.12                        | 38.97                        | 50.67                         |
| Grain Column Holding Capacity (Metric Tonnes)                         | 24.64                       | 32.03                        | 37.09                        | 48.21                         |
| Top Auger (Loading)   | 5.6 kW                      | 7.5 kW                       | 5.593 kW                     | 7.457 kW                      |
| Capacity (Metric Tonnes/Hour)   | 96.52                       | 96.52                        | 96.52                        | 96.52                         |
| Bottom Auger (Unloading)  | 5.6 kW                      | 7.5 kW                       | 5.593 kW                     | 7.457 kW                      |
| Meter Roll Drive  | SCR, .25 kW                 | SCR, .25 kW                  | SCR, .25 kW                  | SCR, .25 kW                   |
| Transport Length (Hitch to Discharge Auger)                           | 8.89 m                      | 10.719 m                     | 8.89 m                       | 10.719 m                      |
| Transport Width   | 2.438 m                     | 2.438 m                      | 2.438 m                      | 2.438 m                       |
| Transport Height <sup>3</sup>   | "4.089 m<br>(3.581 m)"      | "4.089 m<br>(3.581 m)"       | "4.089 m<br>(3.581 m)"       | "4.089 m<br>(3.581 m)"        |
| Installed Length  | 9.093 m                     | 10.922 m                     | 9.093 m                      | 10.922 m                      |
| Installed Width   | 2.642 m                     | 2.642 m                      | 2.642 m                      | 2.642 m                       |
| Installed Height <sup>4</sup><br>(Excluding Foundation Supports)      | 7.899 m                     | 7.899 m                      | 11.354 m                     | 11.354 m                      |
| <b>Fans (Belt Drive) &amp; Heaters (Max BTU)</b>                      |                             |                              |                              |                               |
| Fans  | "4 @<br>11.2 kW<br>.914 m"  | "4 @<br>18.6 kW<br>1.016 m"  | "6 @<br>11.185 kW<br>.914 m" | "6 @<br>18.642 kW<br>1.016 m" |
| Heaters   | "4 @<br>4.5 Mil.<br>btu/hr" | "4 @<br>6.75 Mil.<br>btu/hr" | "6 @<br>4.5 Mil.<br>btu/hr"  | "6 @<br>6.75 Mil.<br>btu/hr"  |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)<sup>5</sup></b>         |                             |                              |                              |                               |
| Three Phase, 380 Volt   | 154.2 amps                  | 225.1 amps                   | 211.7 amps                   | 372.3 amps                    |

- <sup>1</sup> Capacities are wet bushels at input moisture content.
- <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> Shortest possible height in ( ).
- <sup>4</sup> Height with wet bin. Deduct 18" in height for standard top.
- <sup>5</sup> Maximum running load less auxiliary auger motors.



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## X-STREAM™

**DRYERS MODELS: ALL 2400/3600 SERIES**

- Exclusive mixing chambers blend heated drying air for even drying
- Eliminates front-to-back moisture variation and heat loss, resulting in better grain quality and higher efficiency drying
- Field-tested and proven
- GSI patented Grain Inverters available (highly recommended but optional equipment)

# SPECIFICATIONS L SERIES CENTRIFUGAL DRYER

|  | 3020L                  | 4026L                  | 6034L                  | 7534L                  | 1038L                  |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>DRYING CAPACITY, SHELLLED CORN (Metric Tonnes/Hour)</b> |                        |                        |                        |                        |                        |
| Dry and Cool 25% to 15%                                    | 8.89 m                 | 11.56 m                | 14.86 m                | 15.75 m                | 17.78 m                |
| Dry and Cool 20% to 15%                                    | 15.11 m                | 19.66 m                | 25.65 m                | 27.18 m                | 30.73 m                |
| Full Heat 25% to 15%                                       | 13.97 m                | 18.29 m                | 23.88 m                | 24.89 m                | 27.94 m                |
| Full Heat 20% to 15%                                       | 24.00 m                | 30.99 m                | 40.89 m                | 42.67 m                | 48.26 m                |
| Pressure Dry 25% to 15%                                    | 8.43 m                 | 10.95 m                | 14.30 m                | 14.96 m                | 16.97 m                |
| Pressure Dry 20% to 15%                                    | 14.55 m                | 18.92 m                | 24.71 m                | 25.83 m                | 2.92 m                 |
| <b>Dimensions - Including Wet Bin</b>                      |                        |                        |                        |                        |                        |
| Transport Length   | 8.89 m                 | 10.72 m                | 13.16 m                | 13.16 m                | 14.38 m                |
| Transport Width  | 2.44 m                 | 2.44 m                 | 2.44 m                 | 2.44 m                 | 2.44 m                 |
| Transport Height   | 3.58 m                 | 3.58 m                 | 3.58 m                 | 3.58 m                 | 3.58 m                 |
| Installed Length   | 10.13 m                | 11.96 m                | 14.86 m                | 14.86 m                | 16.08 m                |
| Installed Width  | 2.44 m                 | 2.44 m                 | 3.35 m                 | 3.35 m                 | 3.35 m                 |
| Width w/ Heat Reclaimer                                    | 3.35 m                 | 3.35 m                 | 3.35 m                 | 3.35 m                 | 3.35 m                 |
| Installed Height   | 4.42 m                 | 4.42 m                 | 4.42 m                 | 4.42 m                 | 4.42 m                 |
| Top Auger (Loading)  | 5.6 kW                 | 7.5 kW                 | 7.5 kW                 | 7.5 kW                 | 11.2 kW                |
| Capacity (Metric Tonnes/Hour)                              | 71.12                  | 71.12                  | 71.12                  | 71.12                  | 71.12                  |
| Bottom Auger (Unloading)                                   | 5.6 kW                 | 7.5 kW                 | 7.5 kW                 | 7.5 kW                 | 7.5 kW                 |
| Capacity (Metric Tonnes/Hour)                              | 34.55                  | 44.96                  | 58.8                   | 58.8                   | 65.66                  |
| Meter Roll Drive   | SCR, .25 kW            | SCR, .25 kW            | SCR, .25 kW            | SCR, .25 kW            | SCR, .25 kW            |
| Holding Capacity (Total)                                   | 15.11                  | 19.69                  | 25.66                  | 25.66                  | 28.68                  |
| Holding Capacity (Column)                                  | 11.68                  | 15.24                  | 19.84                  | 19.84                  | 22.18                  |
| Fans   | Centrifugal<br>22.4 kW | Centrifugal<br>29.8 kW | Centrifugal<br>44.7 kW | Centrifugal<br>55.9 kW | Centrifugal<br>74.6 kW |
| Heaters BTU/HR (MM)  | 7                      | 9                      | 12                     | 12                     | 12                     |
| <b>ELECTRICAL LOAD (FAN, TOP AUG., BOT. AUG.)</b>          |                        |                        |                        |                        |                        |
| Three Phase, 380 Volt                                      | N.A.                   | N.A.                   | N.A.                   | N.A.                   | N.A.                   |



Pressure Dry/Vacuum Cool, Full Heat Continuous Flow or Pressure Dry/Pressure Cool drying modes

Vision Network Controls are standard.

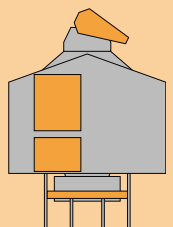
Control center can be remotely mounted with ease.

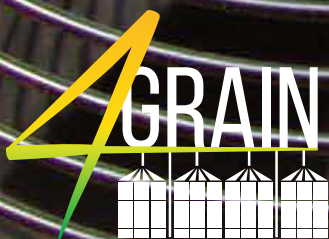
Low profile wet bin standard.

Three types of Moisture Control included:

- Temperature based 2 speed
- Moisture based infinitely variable
- Moisture based 5 speed

Load and unload auxiliary starters.





**SIA „4GRAIN“**

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**TOTAL VALUE. TOTAL SYSTEMS.™**

GS-021 JAN/09

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