INCREASE YIELDS AND IMPROVE PROFITS

PORTABLE GRAIN DRYERS

PROVEN & DEPENDABLE™

WWW.GRAINSYSTEMS.COM

PROVEN & DEPENDABLE

The demands of farming are never-ending. The risks are high. And, at harvest, every second counts. The window of opportunity to harvest at optimal moisture levels for long-term storage and profitability is narrow. At GSI, we help farmers like you take advantage of early harvest to maximize your profitability with efficient, high-capacity grain dryers.

Harvesting early maximizes your grain quality and income potential by reducing the chance that harsh weather conditions will damage stalks or cause eardrop. In comparison to having your crop dry in the field, drying your grain early ensures yield is at its best, with up to 20 percent reduction in dry matter and head shatter loss. Better harvest conditions also mean your equipment spends less time in the field, minimizing your cost per acre. Our ultimate goal is to help you improve your bottom line.

Never satisfied with the status quo, for over 40 years GSI has provided top-of-the-line products that will protect, condition and move the grain you work so hard to produce. We've continued to lead the industry with grain-drying solutions, such as the launch of the first computerized control systems for dryers in 1993, to meet the changing needs of farms and commercial operations across the globe. We offer the widest selection of dependable grain dryers in the industry with technology that makes drying grain as easy and efficient as possible.

Every FFI dryer features a proven, durable design with easy-to-use controls, heavy-duty galvanized construction, powder-coat finish and industrial-grade components to meet the demands of your operation for years to come.

The quality of our products is matched only by our commitment to stand behind them. Every component we design and produce is pre-tested before installation to ensure your system is running at optimal performance. And we back our claims by independent university and industry testing so you know you have solutions you can count on. We are committed each day to provide the best products and service possible. Our industry experts and worldwide network of dealers provide farming operations with unparalleled expertise and support.

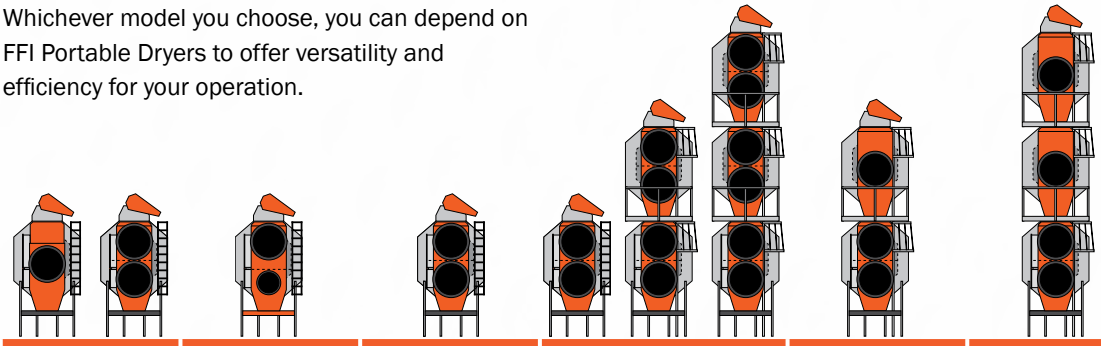
CHOOSING THE RIGHT PORTABLE DRYER

When drying capacities exceed the ability of a standard in-bin dryer, you can depend on the FFI Portable Dryer lineup to fulfill practically any on-farm drying need. Because every dryer we produce is thoroughly tested throughout the manufacturing process, you can be sure that when it's time for on-farm installation, your dryer will be up and running quickly and efficiently.

Whether you grow corn, soybeans or small grains, FFI single, double or triple module Portable Dryers allow you to start harvesting your grain earlier at higher moisture levels, increasing yields and improving profits. You'll shorten wait time during drying, minimize weather risks, and reduce dry matter and head shatter loss.

FFI Portable Dryers are designed to provide the capacity you need in a footprint your layout can handle. The single module models can be upgraded to 1,160 BPH at 5-point removal All Heat without changing the layout of the load or discharge equipment. Our stack models can be upgraded to 2,450 BPH at 5-point removal Dry & Cool or 4,000 BPH All Heat (with limited cooling bin size and special management) without changing the footprint or concrete foundation. And because they are scalable, you can begin with a simple system that moves grain by an auger or a more advanced system that incorporates an overhead wet bin, drag conveyors and bucket elevators. Also available is the FFI Quiet Dryer, for quieter operation without losing efficiency.

Whichever model you choose, you can depend on FFI Portable Dryers to offer versatility and efficiency for your operation.



	CF/AB	C2100A	CF2001	CMS H&M	CMS3002	CMS4003
MAX. HOLDING CAPACITY (BU.)	219 - 708	381 - 708	381 - 599	544 - 1,995	731 - 1,304	1,067 - 1,982
APPROXIMATE DRYING CAPACITY	410 – 1,330 BPH	660 – 1,180 BPH	710 – 1,050 BPH	970 – 3,960 BPH	1,440 – 2,660 BPH	2,190 – 4,000 BPH
MODEL FOOT PRINT	15'2"x8' - 33'2"x8'	21'2"x8' - 33'2"x8'	21'2"x8'8" - 30'2"x8'8"	27'2"x8'8" - 35'10"x8'8"	23'10"x8'8" - 35'10"x8'8"	23'10"x8'8" - 35'10"x8'8"
OPTIONAL INVERTERS AVAILABLE	Yes (no dry cool batch)	N/A	Yes	Yes	Yes	Yes
DRYING MODE	All FFI Portables will do Dry & Cool and All Heat, Continuous Flow, Staged Batch or Batch					
MODELS AVAILABLE IN X-STREAM	N/A	N/A	N/A	CMS500HX CMS650MX CMS1000HX CMS1300MX CMS1500HX CMS2000MX	CMS3202X CMS3222X CMS3262X	CMS4203X CMS4223X CMS4263X

VISION NETWORK DRYER CONTROLS

ADVANCED DRYER CONTROL SYSTEM

The unique Vision Network Dryer Control system is designed to take the guesswork out of operating your FFI Portable Dryer. Vision provides more dryer performance information than any other control system in the industry. With a quick glance, you can see the operating status of the augers, fans and heaters on the large, easy-to-read color touchscreen. On-screen temperature and moisture-based controls let you modify and manage plenum and grain temperatures quickly and easily.

Switching from high/low to on/off fire and other exclusive FFI features, along with many common features, is quick and simple. And, Vision can be easily remote-mounted up to 1,000 feet away from the dryer by using a simple seven-wire harness.

SYSTEM FEATURES

- 10.4” TFT diagonal color screen with touch screen control
- 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
- Individual safety monitoring with status displayed on-screen
- All shut-downs logged with time and date
- Safety disconnect on every dryer
- Low voltage safety circuit
- Hour meter

Moisture Control

Every dryer with Vision is equipped with all the familiar legacy modes of moisture control. Easily select one of the five different modes that best fit your operation’s needs, including two of our most common modes:

- Temperature Based 5-Speed - This control uses grain temperature to determine the final moisture content. Best for all conditions when grain widely varies, the 5-Speed mode includes automatic speed averaging so that when moisture changes significantly, all five speeds will change accordingly to bring the operation back into sync with the output moisture.
- Moisture Based Infinite Speed - Using the temperature and the two moisture sensors, this system controls the speed infinitely to manage the output moisture of the dryer.

Electrical Control Features

Each Vision system uses exclusive controls approved by Intertek ETL, a nationally recognized testing laboratory.

- Built to UL 508a and CSA C22.2 No. 14 standards - Certified to U.S. and Canadian electrical requirements
- 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 adjustments to accommodate variances in incoming voltage.
- Auxiliary Auger IEC Contactors/Overloads - Load and unload auxiliary 10 HP motor branch circuits are standard. If load and unload horsepower are specified at time of order, GSI will install up to two larger properly sized breakers, contactors and overloads for your specific application at a reasonable cost.
- Entrelec Terminals - Color-coded Entrelec terminals are used for all computer-control circuit connections, making for easy installation, diagnosis and service.
- Safety Disconnect - Safely disconnects power from main panel for servicing dryer controls, and also provides an easy connection point for incoming electric supply.

DRYER START-UP MADE EASY

What used to take 2 to 4 hours can now be done automatically. Simply input the incoming moisture of the grain, desired outgoing moisture and the grain type and hit start. Vision Auto-Start will manage and control the pre-drying of the grain and stage the operation of the dryer – so you don't have to.

1

SELECT AUTO-START SETUP FROM THE MAIN MENU

2

SELECT GRAIN TYPE

3

SELECT INCOMING AND OUTGOING MOISTURE

REMOTE DRYER CONTROL AND MONITORING

DRYER CONTROL – SAFELY ACCESSED FROM ANYWHERE

Wherever you are – at home, in the combine or at the local football game – the optional WatchDog™ System lets you take your Vision dryer control with you. Exclusively available at GSI, the smartphone-compatible WatchDog provides you with all the information you need at any time, all from the same Vision interface you use on your dryer unit.

With the exception of starting up the dryer, WatchDog gives you the ability to remotely monitor and safely control dryer functions such as moisture, temperature and dryer status from any web-accessible device with no requirements to download or update an app.

FFI QUIET DRYER

QUIET AND EFFICIENT

The Quiet Dryer uses a best-in-class, commercial grade blower - this is the same blower used in Zimmerman tower dryers - without any loss in capacity or airflow, and with comparable electrical efficiency to FFI vane axial fan portable dryers. This patent-pending feature, combined with the proven star-fire burner used on existing vane axial FFI portable dryers, provides an efficient delivery of airflow to the burner.

With a higher grain throughput than centrifugal fan portable dryers, the FFI Quiet Dryer is a quieter, efficient solution to drying.

Single Plenum Quiet Dryer

Available in Dry/Cool

The Dry/Cool Quiet Dryer features a single blower and two plenums, available in either a 60/40 or 50/50 split. This unique, patent-pending, superior engineered design allows for airflow to be optimized in both the upper and lower plenums, which maximizes capacities from model to model; and also provides ultimate flexibility to be operated in any mode – all heat, dry & cool, continuous flow or batch – at a very competitive price.

Dry/Cool Quiet Dryer

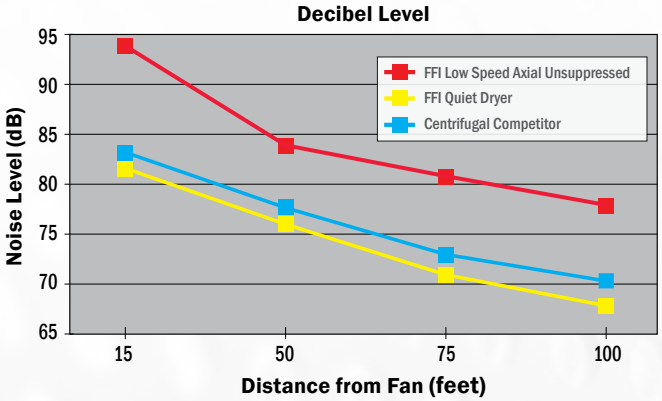
NEW! STACKED QUIET DRYERS

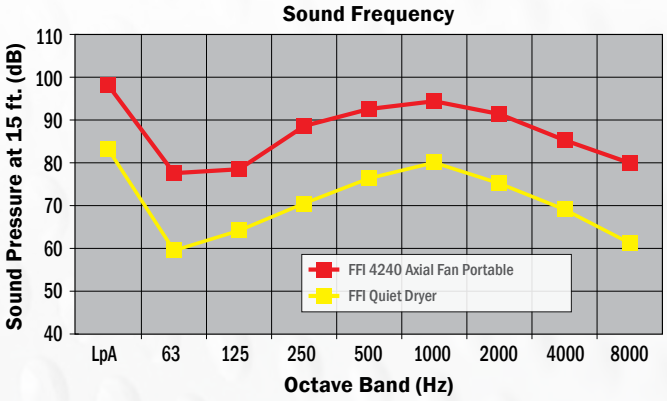
FFI Stacked Quiet Dryers use a dry/cool 50/50 lower module. Like all models in the FFI Quiet Dryer line, they are 50% quieter than vane axial stacked portable dryers, with no loss in capacity and even, consistent plenum pressures.

Stacked Quiet Dryer

YOU HAVE TO HEAR IT TO BELIEVE IT

Noise is a common occupational hazard and around the farm, your grain system is a high-level source. The first time you hear a FFI Quiet Dryer, you'll realize just how much the reduced noise level and improved tone increase the comfort level of the work area. The FFI Quiet Dryer is 50% quieter than vane axial portable dryers, and with a frequency centered in the 1,000 Hz range, it produces a more comfortable, less harsh tone.





MAXIMUM EFFICIENCY, UNSURPASSED QUALITY

Fans and heaters on most traditional dryers are mounted on the same end. The optional X-Stream dryer design features fans and heaters mounted in a staggered configuration on opposite ends of the dryer. With this design, the X-Stream delivers more uniform heat throughout the entire dryer, regardless of column location. The result is a higher quality grain that is more evenly dried at a lower cost and up to a 10 percent gain in efficiency.

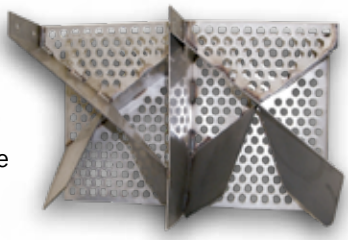
Unparalleled Performance

For even greater performance and the highest efficiency possible, add the optional GSI Grain Inverters. Combined, the grain inverters and the X-Stream stack dryer design dry grain evenly from front to back and across the entire column without the loss of usable heat. This combination of exclusive GSI features gives you the most efficient portable dryer on the market.

GRAIN INVERTERS

To promote even, consistent drying and higher test weights, and to reduce operating costs, add a patented GSI Grain Inverter option to your stack dryer.

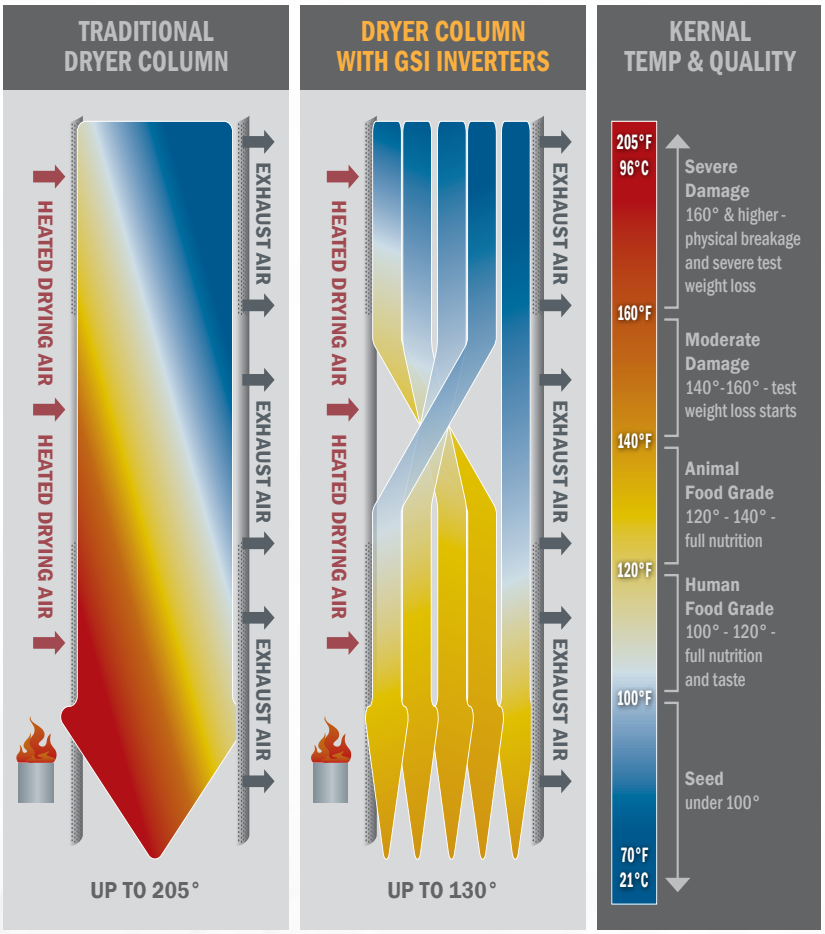
How it works



The GSI Grain Inverter redirects the warmest grain from the inside of the column to be next to the wettest grain at the outside of the column where it is dried by the captured heat which would have otherwise escaped the dryer.

By inverting all but the outside two inches of grain from the outside of the grain column to the inside, this process maintains optimal grain temperature and maximizes grain quality while using less fuel and significantly reducing operating costs.

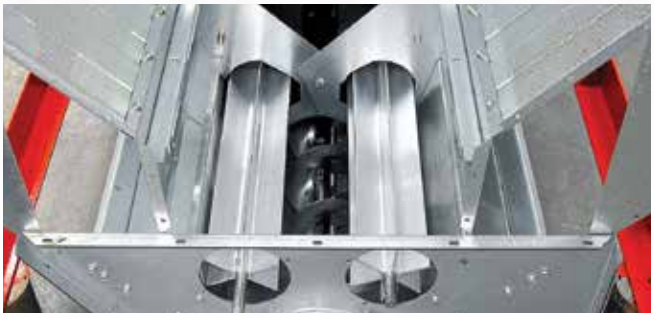
In addition, the convenient clean-out door makes maintenance quick and easy.



HIGH EFFICIENCY BURNERS

Wherever you farm, whatever the weather conditions, FFI's high-efficiency burners are proven to provide even heat and deliver maximum airflow to the dryer's plenum. Single module dryers are equipped with high-quality ASCO valves. MAXON™ gate valves are the primary main gas supply valves on stackable dryers. An electronic ignition system monitors the burner and a view window provides easy observation of the burner while in operation. Features include, easy-to-adjust vaporizer, large service access door and oil-filled gas pressure gauges.

Exclusive On/Off Fire - Only available and standard on GSI and FFI dryers, On/Off Fire offers a wider range of plenum temperature control, down to five degrees above ambient temperature, for wheat and other temperature-sensitive grains.



METERING ROLLS WITH VFD

Metering rolls with AC Variable Frequency Drive (VFD) provide a gentle flow of grain to the auger. The AC Metering Motor with VFD allows you to set unload speeds without the need for time-consuming calibration. AC motors are considerably more durable and require limited maintenance.

Standard 7" diameter metering rolls unload more evenly over the entire width of the column, making the need for grain column adjustments unnecessary. This proven design allows material to flow easily, resulting in a smooth transition from your dryer to your handling system.

STATIC MOISTURE SAMPLER

Improve your moisture sample accuracy with the Static Moisture Sampler. Debris guards ensure a trash-free, accurate sample. Our sampler takes readings only when the grain is static and not flowing. Using FFI's patented discharge auger to ensure that a true cross section of the grain is sampled, a reading is taken once per minute. Based on more accurate moisture readings, your dryer adjusts to provide optimal results. FFI's sampling innovation moves the grain with air, with no gear boxes, pulleys, belts or other conventional moving parts. The sampling chamber is blown empty, completely cleaning it every cycle.

8" DURA-EDGE® AUGER FLIGHTING

All FFI augers feature Dura-Edge® 8" diameter flighting with a 1/4" ribbon. The Dura-Edge flighting has an outside edge that is 30% thicker than regular flighting.

Only GSI and FFI augers are double-flighted at the intake end. This proven design is durable for a longer life, increased dependability and ease of maintenance.

HEAT, TIME AND AIR: THE PERFECT BALANCE

LARGEST GRAIN HOLDING CAPACITY

Apply excessive heat and you compromise grain quality. Larger grain column holding makes achieving rated drying capacity more likely. Drying grain too fast or too slow with the wrong air flow results in low quality grain and/or decreased efficiency. FFI dryers provide the optimal balance between the heat level, retention time and airflow for best grain quality and efficiency.

Even Heat and Grain Quality

High/Low Fire cycling helps maintain a uniform plenum temperature. The 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 infrared damage. Multiple heat zones in two-fan and larger model dryers put the hottest air on the highest moisture grain where a grain inverter is not installed.

OPTIMIZED AIRFLOW

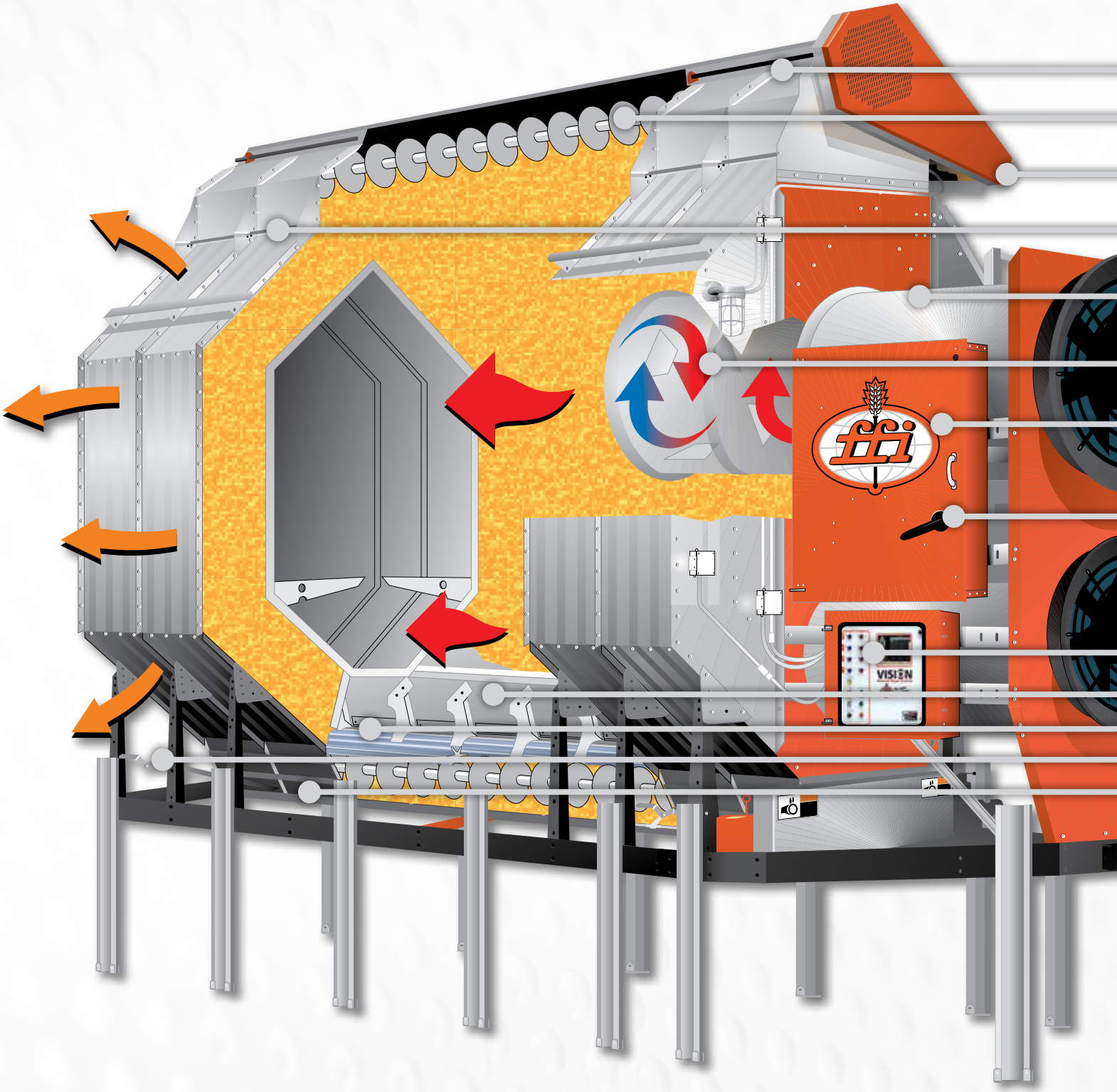
In all GSI and FFI dryers, the airflow is sized to match the basket to achieve consistent airflow and capacity. Additional benefits include high air flow across a wide static pressure range, quiet operation and reduced energy cost.

Composite Polymer Vane Axial Fan Blades

More efficient than centrifugal fans, axial fans with composite polymer blades allow for a very low starting load which extends motor life and requires no rebalancing during the life of the dryer.

Quiet Blowers

Quiet Dryers feature blowers which are quieter and produce a more comfortable tone than vane axial blades without any loss in efficiency. This is the same durable commercial grade blower used on Zimmerman Tower Dryers.


VISION

FEATURES

LOW-PROFILE, FOLD-UP WET BIN
Perforated wet bin maximizes the pre-heating of grain.

LEVEL AUGER WITH DURA-EDGE® FLIGHTING
30 percent thicker than regular flighting for longer life. SEE PAGE 12 FOR MORE INFO.

TURNBUCKLE BELT TIGHTENER
For easy tensioning and maintenance.

THREE-PIECE SIDEWALL PANEL SCREENS
Each sidewall panel – top angle, bottom angle and side sections – is available in optional stainless steel to offer long-lasting protection against rust and corrosion.

FFI'S PROVEN BURNERS
Even heat with maximum airflow. SEE PAGE 8 FOR MORE INFO.

AIR MIXING CHAMBERS
Thoroughly mix heat and air before they enter the drying chamber. Mixing vanes eliminate hot spots and create a more uniform plenum temperature.

DISTRIBUTION BOARD/CIRCUIT BOX
Industrial-grade IEC-rated contactors, breakers and overloads ensure durability and quality while the provided load and unload auxiliary contactors help reduce installation costs.

CIRCUIT BREAKER
Non-service rated safety disconnect circuit breaker integrated into door handle for safe, economical installation and maintenance.

OPTIMIZED AIRFLOW
Airflow sized to match the basket for consistent efficiency & capacity. SEE PAGE 9 FOR MORE INFO.

THE INDUSTRY'S MOST ADVANCED DRYER CONTROL SYSTEM
Vision controls touchscreen display for easier operation. SEE PAGE 4 FOR MORE INFO.

ADJUSTABLE FLOW GATES
Allow customized control of grain volume in each column for more consistent drying when grain quality is poor and debris is present. SEE PAGE 7 FOR MORE INFO.

MAKE A SMOOTH TRANSITION FROM DRYER TO GRAIN HANDLING EQUIPMENT
Meter roll with AC Variable Frequency Drive (VFD) allows material to flow easily resulting in less clogging. SEE PAGE 7 FOR MORE INFO.

DISCHARGE AUGER CLEAN-OUT DOORS
Operated by lever outside of dryer frame, making opening the auger clean-out doors quicker and easier.

LARGE PLENUM CLEAN-OUT DOORS
Column doors designed to allow for easy access and cleaning out.

PROVEN DESIGN FOR EASE OF USE

TALLER REAR ACCESS DOOR

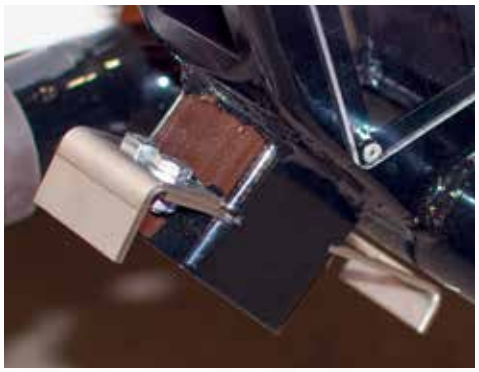
The new 29"x72" access door used on modules with a single fan and 29"x48" used on 60/40 split 2 fan modules greatly improve accessibility and safety when entering the plenum of the dryer.

REAR DISCHARGE AUTO-SHUTDOWN

Should your takeaway system stop for any reason, the auto-shutdown moves into action to eliminate equipment damage. The automatic discharge shutdown operates off of a hinged lid switch at the rear 2' discharge extension. Shutdown is activated when grain overfills the discharge auger, which forces the lid open.

COLLECT-A-SAMPLE

The manual “Collect-A-Sample” enables you to sample the same grain that runs across the moisture sensor used to control the dryer. By manually testing the same grain used to control the dryer, you are able to get the most accurate reading to ensure your dryer is running at optimum performance.



IMPROVED LADDER DESIGN

The standard ladder package for FFI Portable Dryers has been redesigned to meet the latest OSHA specifications.

FFI ladders feature heavy-duty construction and slip-resistant patterns to provide extra grip in wet conditions.

FRONT AND REAR SERVICE PLATFORMS

Serviceability and ease-of-use have long been a focus of GSI portable dryers. Front and rear service platforms can be installed on any single or stacked module portable dryer. Service platforms include OSHA compliant safety gates and powder coated handrails. Stacked dryers include platform(s) on the upper modules with optional platform for the bottom module.

NEW! SINGLE TO 3 PHASE CONVERTER

This factory-installed option allows you to convert single phase 230V power to 3 phase and run larger capacity dryers with high horsepower fans. Available on all Quiet Dryers and standard vane axial dryers with 20-40 HP fans.

NOISE SUPPRESSOR

The optional noise suppressor system will reduce the noise level of vane axial fan dryers at 15' to one-fourth the OSHA 8-hour exposure limit.

Ultra Quiet - High tech noise absorption material maximizes noise reduction. Reduces decibels significantly at 15’ from 93 dB to 82 dB.

Ease of Installation, Maintenance - Easy to install with minimal time and effort. Open top and bottom allow for easy service and maintenance of fans and motors. Retro-fits on all GSI and FFI axial fan dryers. Not available on Quiet Dryer Models.

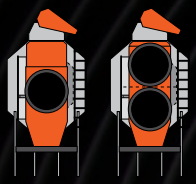
HEAT RECLAIMER

On multi-fan dryers, the Heat Reclaimer reduces the amount of heat lost when operating in Dry & Cool mode and recycles it, reducing fuel consumption and lowering operating costs by as much as 30%.

Open ductwork is optimally sized for no capacity loss as it prevents accumulation of fine material. Sized to reduce air velocity, very little chaff or air debris is pulled into the dryer. An added benefit to the Heat Reclaimer is that it also acts as a noise suppressor. Not available on Quiet Dryer Models.

CF/AB SERIES

PORTABLE GRAIN DRYER SPECS



Configuration: Single module, single fan & heater with a single plenum or two fan & heater with split plenum. Not expandable. Available with either Vane Axial Fan(s) or Quiet Blower (GSI Quiet Dryer).

Application: Small- to medium-sized farms using bins 50,000 bushels or less with adequate bin cooling air. Perfect as a first high speed dryer, the CF/AB series delivers between 410 to 1,330 BPH All Heat drying at 5-point removal. While primarily an All Heat corn drying system, the CF/AB Series dryer can also be used in Continuous Batch Dry & Cool operation full time or for specific situations – putting a dry cone in a flat bottom wet bin, or occasional soybean or wheat drying – to still be able to deliver cooled grain.

	CFAB190	CFAB270 CFAB270Q	CFAB320 CFAB320Q	CFAB370 CFAB370Q	CFAB400 CFAB400Q[7]	CFAB460 CFAB460Q[7]	CFAB511 CFAB511Q[7]	CFAB601 CFAB601Q[7]	CFAB510	CFAB600
DRYING CAPACITY, SHELLED CORN[1]										
DRY AND COOL 25% TO 15% STAGED BATCH	160 BPH	200 BPH	240 BPH	270 BPH	310 BPH	350 BPH	380 BPH	450 BPH	430 BPH	530 BPH
DRY AND COOL 20% TO 15% STAGED BATCH	210 BPH	260 BPH	310 BPH	360 BPH	420 BPH	470 BPH	500 BPH	590 BPH	570 BPH	700 BPH
FULL HEAT 30% TO 15%[2]	180 BPH	240 BPH	290 BPH	310 BPH	370 BPH	400 BPH	450 BPH	520 BPH	490 BPH	620 BPH
FULL HEAT 25% TO 15%[2]	250 BPH	330 BPH	380 BPH	430 BPH	490 BPH	540 BPH	590 BPH	700 BPH	670 BPH	820 BPH
FULL HEAT 20% TO 15%[2]	410 BPH	510 BPH	590 BPH	690 BPH	800 BPH	890 BPH	970 BPH	1,130 BPH	1,080 BPH	1,330 BPH
BASIC CONSTRUCTION	1 Module 1 Stage	1 Module 1 Stage	1 Module 1 Stage	1 Module 1 Stage	1 Module 1 Stage	1 Module 1 Stage	1 Module 1 Stage	1 Module 1 Stage	1 Module 2 Stage	1 Module 2 Stage
GRAIN COLUMNS	14" x 8' Long	14" x 12' Long	14" x 14' Long	14" x 16' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long	14" x 22' Long	14" x 26' Long
TOTAL HOLDING CAP.	219 BU	327 BU	381 BU	436 BU	490 BU	544 BU	599 BU	708 BU	599 BU	708 BU
GRAIN COLUMN HOLDING CAP.	190 BU	282 BU	329 BU	376 BU	423 BU	470 BU	517 BU	611 BU	517 BU	611 BU
TOP AUGER (LOADING)	8" Flight/2 HP	8" Flight/2 HP	8" Flight/3 HP	8" Flight/5 HP	8" Flight/5 HP	8" Flight/7.5 HP	8" Flight/7.5 HP	8" Flight/10 HP	8" Flight/7.5 HP	8" Flight/10 HP
CAPACITY	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH
BOTTOM AUGER (UNLOADING)	8" Flight/ 10" Tube - 2.5 HP	8" Flight/ 10" Tube - 2.5 HP	8" Flight/ 10" Tube - 3 HP	8" Flight/ 10" Tube - 5 HP	8" Flight/ 10" Tube - 5 HP	8" Flight/ 10" Tube - 7.5 HP	8" Flight/ 10" Tube - 7.5 HP	8" Flight/ 10" Tube - 10 HP	8" Flight/ 10" Tube - 7.5 HP	8" Flight/ 10" Tube - 10 HP
METER ROLL DRIVE	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP
MAXIMUM CAPACITY	1,125 BPH	1,680 BPH	1,960 BPH	2,240 BPH	2,520 BPH	2,800 BPH	3,080 BPH	3,640 BPH	3,080 BPH	3,640 BPH
TRANSPORT LENGTH (HITCH TO DISCHARGE AUGER)[4]	17'2"	21'2" (24'10")	23'2" (26'10")	25'2" (28'10")	27'2" (31'10")	29'2" (33'10")	31'2" (35'10")	35'2" (39'10")	31'2"	35'2"
TRANSPORT WIDTH	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
TRANSPORT HEIGHT[3]	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")
APPROXIMATE TRANSPORT WEIGHT[4]	5,200 lbs.	6,300 lbs. (7,800 lbs.)	7,000 lbs. (8,500 lbs.)	7,500 lbs. (9,000 lbs.)	8,000 lbs. (9,800 lbs.)	8,700 lbs. (10,500 lbs.)	9,500 lbs. (11,300 lbs.)	11,000 lbs. (12,800 lbs.)	9,800 lbs.	11,300 lbs.
INSTALLED LENGTH[4]	15'2"	19'2" (22'10")	21'2" (24'10")	23'2" (26'10")	25'2" (29'10")	27'2" (31'10")	29'2" (33'10")	33'2" (37'10")	29'2"	33'2"
INSTALLED WIDTH	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
INSTALLED HEIGHT (EXCLUDING FOUNDATION SUPPORTS)	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"
HEATER (MAX BTU/HR)	4.5 Mil.	4.5 Mil.	5.75 Mil.	5.75 Mil.	6.75 Mil.	7.5 Mil.	8.75 Mil.	10.25 Mil.	2@4.5 Mil.	2@6.75 Mil.
CE CERTIFICATION	YES	YES	YES	YES	no	no	no	no	YES	YES

VANE AXIAL FAN SPECIFICATIONS

	CFAB190	CFAB270	CFAB320	CFAB370	CFAB400	CFAB460	CFAB511	CFAB601	CFAB510	CFAB600
FAN 1 PH	10-16 HP, 36"	10-16 HP, 36"	10-16 HP, 40"	10-16 HP, 40"	N/A	N/A	N/A	N/A	2@15 HP, 36"	N/A
FAN 3 PH	10-16 HP, 36"	15 HP, 36"	15 HP, 40"	15 HP, 40"	20 HP, 42"	25 HP, 42"	30 HP, 42"	40 HP, 42"	2@15 HP, 36"	2@25 HP, 40"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]										
SINGLE PHASE, 230 V.	106/161	106/161	109/164	124/179	N/A	N/A	N/A	N/A	211/266	N/A
THREE PHASE, 208 V.	58/96	58/96	64/115	77/127	88/138	128/193	128/204	167/244	131/208	196/273
THREE PHASE, 230 V.	54/89	54/89	60/108	71/120	81/130	117/178	117/188	157/228	121/192	183/254
THREE PHASE, 460 V.	30/44	30/44	32/54	38/60	43/65	61/89	61/94	81/114	63/96	94/127
THREE PHASE, 575 V.	26/37	26/37	28/45	33/50	36/54	50/73	50/77	67/94	54/81	77/104

QUIET DRYER BLOWER SPECIFICATIONS

	CFAB270Q	CFAB320Q	CFAB370Q	CFAB400Q[7]	CFAB460Q[7]	CFAB511Q[7]	CFAB601Q[7]
FAN PH	15 HP, 49"	15 HP, 49"	15 HP, 49"	25 HP, 54"	30 HP, 54"	30 HP, 54"	40 HP, 54"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]							
SINGLE PHASE, 230 V.	108/168	166/226	181/241	210/270	253/331	253/331	324/402
THREE PHASE, 230 V.	65/105	82/136	94/148	106/160	134/210	134/210	168/244
THREE PHASE, 460 V.	30/50	39/66	44/71	50/77	64/102	64/102	81/119

See page 19 for additional annotation.

C2100A SERIES

PORTABLE GRAIN DRYER SPECS

Configuration: Single module, two fans & heaters each with its own plenum in a 67/33 split. Not expandable. Available with either Vane Axial Fan(s) or Quiet Blower (GSI Quiet Dryer).

Application: Small- to medium-sized farms that require flexibility in drying options. The C2100A Series is good for corn and many other grains operating in Dry & Cool mode and good for corn or rice operating in All Heat. Its economical design gives between 390 to 710 BPH Dry & Cool and 660 to 1,150 BPH All Heat at 5-point removal. As with all Vision-equipped, multiple fan FFI dryers, the C2100A Series can be operated in any mode – All Heat, Dry & Cool, Continuous Flow or Batch – for maximum flexibility.

	C2120A / 214Q	C2122A / 216Q	C2125A / 2Q25[7]	C2130A / 2Q30[7]	C2132A / 2Q32[7]	C2140A / 2Q40[7]
DRYING CAPACITY, SHELLED CORN[1]						
DRY AND COOL 25% TO 15%	240 BPH	290 BPH	320 BPH	350 BPH	400 BPH	450 BPH
DRY AND COOL 20% TO 15%	390 BPH	470 BPH	510 BPH	560 BPH	640 BPH	730 BPH
FULL HEAT 30% TO 15%[2]	320 BPH	380 BPH	410 BPH	430 BPH	480 BPH	540 BPH
FULL HEAT 25% TO 15%[2]	410 BPH	480 BPH	520 BPH	590 BPH	650 BPH	730 BPH
FULL HEAT 20% TO 15%[2]	660 BPH	770 BPH	840 BPH	950 BPH	1,060 BPH	1,180 BPH
BASIC CONSTRUCTION	1 Module/2 Stages	1 Module/2 Stages	1 Module/2 Stages	1 Module/2 Stages	1 Module/2 Stages	1 Module/2 Stages
GRAIN COLUMNS	14" x 14' Long	14" x 16' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
TOTAL HOLDING CAPACITY	381 BU	436 BU	490 BU	544 BU	599 BU	708 BU
GRAIN COLUMN HOLDING CAP.	329 BU	376 BU	423 BU	470 BU	517 BU	611 BU
TOP AUGER (LOADING)	8" 5 HP	8" 5 HP	8" 5 HP	8" 7.5 HP	8" 7.5 HP	8" 10 HP
CAPACITY	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH
BOTTOM AUGER (UNLOADING)	8" Flight/10" Tube 5 HP	8" Flight/10" Tube 5 HP	8" Flight/10" Tube 5 HP	8" Flight/10" Tube 7.5 HP	8" Flight/10" Tube 7.5 HP	8" Flight/10" Tube 10 HP
METER ROLL DRIVE	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP
MAXIMUM CAPACITY	1,960 BPH	2,240 BPH	2,520 BPH	2,800 BPH	3,080 BPH	3,640 BPH
TRANSPORT LENGTH (HITCH TO DISCHARGE AUGER)[4]	23'2" (28'10")	25'2" (30'10")	27'2" (33'10")	29'2" (35'10")	31'2" (37'10")	35'2" (41'10")
TRANSPORT WIDTH	8'	8'	8'	8'	8'	8'
TRANSPORT HEIGHT[3]	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")
APPROXIMATE TRANSPORT WEIGHT[4]	7,600 lbs. (9,100 lbs.)	8,200 lbs. (9,600 lbs.)	9,000 lbs. (10,500 lbs.)	9,800 lbs. (11,200 lbs.)	10,500 lbs. (12,000 lbs.)	12,000 lbs. (13,500 lbs.)
INSTALLED LENGTH[4]	21'2" (26'10")	23'2" (28'10")	25'2" (31'10")	27'2" (33'10")	29'2" (35'10")	33'2" (37'10")
INSTALLED WIDTH	8'	8'	8'	8'	8'	8'
INSTALLED HEIGHT (EXCLUDING FOUNDATION SUPPORTS)	14'6"	14'6"	14'6"	14'6"	14'6"	14'6"
HEATERS (MAX BTU/HR)	1@3.5 Mil.	1@4.5 Mil.	1@4.5 Mil.	1@5.5 Mil.	1@6.75 Mil.	1@7.5 Mil.
	1@3 Mil.	1@3 Mil.	1@3 Mil.	1@3 Mil.	1@3 Mil.	1@3 Mil.
CE CERTIFICATION	YES	YES	no	YES	YES	YES

VANE AXIAL FAN SPECIFICATIONS

	C2120A	C2122A	C2125A	C2130A	C2132A	C2140A
FANS 1 PH	1@12 HP, 36"	1@15 HP, 36"	1@15 HP, 36"	1@15 HP, 40"	N/A	N/A
	1@12 HP, 28"	1@10 HP, 28"	1@10 HP, 28"	1@10 HP, 28"	N/A	N/A
FANS 3 PH	1@12 HP, 36"	1@15 HP, 36"	1@15 HP, 36"	1@15 HP, 40"	1@20 HP, 42"	1@25 HP, 42"
	1@12 HP, 28"	1@10 HP, 28"	1@10 HP, 28"	1@12 HP, 28"	1@12 HP, 28"	1@12 HP, 28"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]						
SINGLE PHASE, 230 V.	157/212	177/232	177/232	191/246	N/A	N/A
THREE PHASE, 208 V.	112/162	112/162	112/162	125/202	136/213	164/240
THREE PHASE, 230 V.	99/148	104/153	104/153	116/187	126/197	154/225
THREE PHASE, 460 V.	52/74	55/76	55/76	61/93	66/98	80/112
THREE PHASE, 575 V.	48/66	49/66	49/66	54/81	57/84	68/95

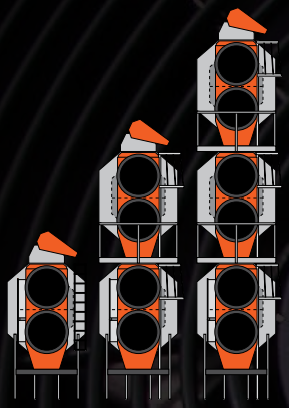
QUIET DRYER BLOWER SPECIFICATIONS

	214Q	216Q	2Q25[7]	2Q30[7]	2Q32[7]	2Q40[7]
FAN PH	15 HP, 49"	15 HP, 49"	25 HP, 54"	30 HP, 54"	30 HP, 54"	40 HP, 54"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]						
SINGLE PHASE, 230 V.	126/186	126/186	210/270	253/331	253/331	324/402
THREE PHASE, 230 V.	82/136	82/136	106/160	134/210	134/210	168/244
THREE PHASE, 460 V.	42/69	42/69	54/81	68/106	68/106	84/122

See page 19 for additional annotation.

CF2001 & CMS H&M SERIES

PORTABLE GRAIN DRYER SPECS



CF2001 Configuration: Single module, two fans & heaters, each with its own plenum in a 50/50 split. Available with either Vane Axial Fans or Quiet Blower (GSI Quiet Dryer).

CMS H&M Configuration: Two modules with four fans & heaters, each with its own plenum in a 50/50 split. Three modules with six fans & heaters, each with its own plenum in a 50/50 split. Available with either Vane Axial Fans or Quiet Blowers (GSI Quiet Dryer).

CF2001 Application: Small, medium or large farms with plans to expand drying capacity. For farms that need the maximum capacity on single phase and/or primarily run All Heat or can utilize Staged Auto for Dry & Cool operation.

CMS H&M Application: The maximum grain drying capacity in a Portable Dryer unit for large farm operations. Primarily continuous Dry & Cool for corn and many other grains or All Heat for corn or rice. Delivers up to 2,430 BPH Dry & Cool and up to 3,960 BPH All Heat high speed drying at 5-point removal.

	CF2141 141Q	CF2181 181Q[7]	CMS500H 500Q†[7]	CF2221 221Q†[7]	CMS650M 650Q†[7]	CMS1000H 100Q[7]	CMS1300M 130Q[7]	CMS1500H 150Q[7]	CMS2000M 200Q[7]
DRYING CAPACITY, SHELLED CORN[1]									
DRY AND COOL 25% TO 15% STAGED BATCH	250 BPH	340 BPH	390 BPH	420 BPH	520 BPH	840 BPH	1,110 BPH	1,110 BPH	1,500 BPH
DRY AND COOL 20% TO 15% STAGED BATCH	350 BPH	440 BPH	500 BPH	550 BPH	680 BPH	1,360 BPH	1,810 BPH	1,780 BPH	2,430 BPH
FULL HEAT 30% TO 15%[2]	290 BPH	380 BPH	440 BPH	480 BPH	600 BPH	910 BPH	1,180 BPH	1,390 BPH	1,800 BPH
FULL HEAT 25% TO 15%[2]	440 BPH	520 BPH	600 BPH	650 BPH	800 BPH	1,230 BPH	1,640 BPH	1,810 BPH	2,460 BPH
FULL HEAT 20% TO 15%[2]	710 BPH	840 BPH	970 BPH	1,050 BPH	1,300 BPH	1,980 BPH	2,660 BPH	2,950 BPH	3,960 BPH
BASIC CONSTRUCTION	1 Module/2 Stage	1 Module/2 Stage	1 Module/2 Stage	1 Module/2 Stage	1 Module/2 Stage	2 Module/4 Stage	2 Module/4 Stage	3 Module/6 Stage	3 Module/6 Stage
GRAIN COLUMNS	14" x 14' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long	14" x 20' Long	14" x 26' Long	14" x 20' Long	14" x 26' Long
TOTAL HOLDING CAP.	381 BU	490 BU	544 BU	599 BU	708 BU	1,044 BU	1,340 BU	1,534 BU	1,995 BU
GRAIN COLUMN HOLDING CAP.	329 BU	423 BU	470 BU	517 BU	611 BU	970 BU	1,261 BU	1,460 BU	1,898 BU
TOP AUGER (LOADING)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP	7.5 HP	10 HP	7.5 HP	10 HP
CAPACITY	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH
BOTTOM AUGER (UNLOADING)	8" Flight/10" Tube 5 HP	8" Flight/10" Tube 5 HP	8" Flight/10" Tube 7.5 HP	8" Flight/10" Tube 7.5 HP	8" Flight/10" Tube 10 HP	8" Flight/10" Tube 7.5 HP	8" Flight/10" Tube 10 HP	8" Flight/10" Tube 7.5 HP	8" Flight/10" Tube 10 HP
METER ROLL DRIVE	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP
MAXIMUM CAPACITY	1,960 BPH	2,520 BPH	2,800 BPH	3,080 BPH	3,640 BPH	2,800 BPH	3,640 BPH	2,800 BPH	3,640 BPH
TRANSPORT LENGTH (HITCH TO DISCHARGE AUGER)[4]	23'2" (28'10")	27'2" (33'10")	29'2" (35'10")	31'2" (37'10")	35'2" (39'10")	29'2" (35'10")	35'2" (39'10")	29'2" (35'10")	35'2" (39'10")
TRANSPORT WIDTH	8'	8'	8'	8'	8'	8'	8'	8'	8'
TRANSPORT HEIGHT[3]	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")
APPROXIMATE TRANSPORT WEIGHT[4]	9,500 lbs. (9,100 lbs.)	11,500 lbs. (10,500 lbs.)	14,500 lbs. (11,200 lbs.)	15,500 lbs. (12,000 lbs.)	18,500 lbs. (13,500 lbs.)	23,500 lbs. (22,400 lbs.)	28,000 lbs. (27,000 lbs.)	30,170 lbs. (33,600 lbs.)	38,750 lbs. (40,500 lbs.)
INSTALLED LENGTH[4]	21'2" (26'10")	25'2" (31'10")	27'2" (33'10")	30'2" (35'10")	33'2" (37'10")	29'10" (33'10")	35'10" (37'10")	29'10" (33'10")	35'10" (37'10")
INSTALLED WIDTH	8'8"	8'8"	8'8" / 8'†	8'8" / 8'†	8'8" / 8'†	8'8"	8'8"	8'8"	8'8"
INSTALLED HEIGHT (EXCLUDES FOUNDATION SUPPORTS)	14'6"	14'6"	14'6"	14'6"	14'6"	25'11"	25'11"	37'3"	37'3"
HEATER (MAX BTU/HR)	2@3.0 Mil.	2@3.5 Mil.	2@4.5 Mil.	2@4.5 Mil.	2@6.75 Mil.	4@4.5 Mil.	4@6.75 Mil.	6@4.5 Mil.	6@6.75 Mil.
CE CERTIFICATION	no	no	YES	YES	YES	no	no	no	no

VANE AXIAL FAN SPECIFICATIONS

	CF2141	CF2181	CMS500H	CF2221	CMS650M	CMS1000H	CMS1300M	CMS1500H	CMS2000M
FAN 1 PH	2@12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	N/A	N/A	N/A	N/A	N/A
FAN 3 PH	2@12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	2@25 HP, 40"	4@15 HP, 36"	4@25 HP, 40"	6@15 HP, 36"	6@25 HP, 40"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]									
SINGLE PHASE, 230 V.	157/212	157/212	211/266	211/266	N/A	359/421	N/A	N/A	N/A
THREE PHASE, 208 V.	106/156	106/144	131/208	131/208	196/273	213/290	331/408	295/372	466/543
THREE PHASE, 230 V.	99/148	99/134	121/192	121/192	183/254	197/268	307/378	273/344	431/502
THREE PHASE, 460 V.	52/74	52/68	63/96	63/96	94/127	101/134	156/189	139/172	218/251
THREE PHASE, 575 V.	48/66	48/66	54/81	54/81	77/104	86/113	125/152	119/146	174/201

QUIET DRYER BLOWER SPECIFICATIONS

	141Q	181Q[7]	500Q†[7]	221Q†[7]	650Q†[7]	100Q[7]	130Q[7]	150Q[7]	200Q[7]
FAN PH	15 HP, 49"	15 HP, 49"	25 HP, 54"	30 HP, 54"	40 HP, 54"	2@30 HP, 54"	2@40 HP, 54"	3@30 HP, 54"	3@40 HP, 54"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]									
SINGLE PHASE, 230 V.	112/213	211/252	253/331	253/331	324/402	603/681	780/858	621/699	780/858
THREE PHASE, 230 V.	65.4/145	86.4/168	134/210	116/233	168/244	286/362	360/436	300/376	360/436
THREE PHASE, 460 V.	32.7/78	43.2/89	68/106	58/121	84/122	144/182	180/218	150/188	180/218

See page 19 for additional annotation.

PORTABLE GRAIN DRYER SPECS

Configuration: Two modules, three fans and heaters, one on the upper module and two on the lower module. Available with either Vane Axial Fans or Quiet Blowers (GSI Quiet Dryer).

Application: Medium to large farms that want to increase grain drying capacity without increasing the footprint. Primarily continuous Dry & Cool for corn and many other grains or All Heat for corn or rice. (Note: it takes bins no larger than 50,000 bu. to cool corn dried in the All Heat mode at no more than 1,500 BPH capacity for safe cooling and storage without special management.) Economical design delivers 990 to 1,810 BPH Dry & Cool and 1,440 to 2,660 BPH All Heat high speed drying at 5-point removal.

	CMS3142 / 142Q[7]	CMS3182 / 182Q[7]	CMS3202 / 202Q[7]	CMS3222 / 222Q[7]	CMS3262 / 262Q[7]
DRYING CAPACITY, SHELLED CORN[1]					
DRY AND COOL 25% TO 15%	610 BPH	760 BPH	840 BPH	920 BPH	1,110 BPH
DRY AND COOL 20% TO 15%	990 BPH	1,220 BPH	1,360 BPH	1,480 BPH	1,810 BPH
FULL HEAT 30% TO 15%[2]	660 BPH	820 BPH	910 BPH	990 BPH	1,180 BPH
FULL HEAT 25% TO 15%[2]	890 BPH	1,100 BPH	1,230 BPH	1,340 BPH	1,640 BPH
FULL HEAT 20% TO 15%[2]	1,440 BPH	1,780 BPH	1,980 BPH	2,170 BPH	2,660 BPH
BASIC CONSTRUCTION	2 Modules / 3 Stages	2 Modules / 3 Stages	2 Modules / 3 Stages	2 Modules / 3 Stages	2 Modules / 3 Stages
GRAIN COLUMNS	14" x 14' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
TOTAL HOLDING CAPACITY	731 BU	940 BU	1,044 BU	1,149 BU	1,304 BU
GRAIN COLUMN HOLDING CAP.	679 BU	873 BU	970 BU	1,067 BU	1,261 BU
TOP AUGER (LOADING)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
CAPACITY	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH
BOTTOM AUGER (UNLOADING)	8" Flight/10" Tube - 5 HP	8" Flight/10" Tube - 5 HP	8" Flight/10" Tube - 7.5 HP	8" Flight/10" Tube - 7.5 HP	8" Flight/10" Tube - 10 HP
METER ROLL DRIVE	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP
MAXIMUM CAPACITY	1,960 BPH	2,520 BPH	2,800 BPH	3,080 BPH	3,640 BPH
TRANSPORT LENGTH (HITCH TO DISCHARGE AUGER)[4]	23'2" (28'10")	27'2" (38'10")	29'2" (35'10")	31'2" (37'10")	35'2" (39'10")
TRANSPORT WIDTH	8'	8'	8'	8'	8'
TRANSPORT HEIGHT[3]	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")
APPROX. TRANSPORT WEIGHT[4]	16,000 lbs. (17,600 lbs.)	19,000 lbs. (20,300 lbs.)	21,000 lbs. (21,700 lbs.)	22,500 lbs. (23,300 lbs.)	25,000 lbs. (26,300 lbs.)
INSTALLED LENGTH[4]	23'10" (26'10")	27'10" (31'10")	29'10" (33'10")	31'10" (35'10")	35'10" (37'10")
INSTALLED WIDTH	8'8"	8'8"	8'8"	8'8"	8'8"
INSTALLED HEIGHT (EXCLUDING FOUNDATION SUPPORTS)	25'11"	25'11"	25'11"	25'11"	25'11"
HEATERS (MAX BTU/HR)	1@5.5 Mil.	1@6.75 Mil.	1@7.5 Mil.	1@8.75 Mil.	1@10.25 Mil.
	2@3.0 Mil.	2@3.5 Mil.	2@4.5 Mil.	2@4.5 Mil.	2@6.75 Mil.
CE CERTIFICATION	no	no	YES	YES	YES

VANE AXIAL FAN SPECIFICATIONS

	CMS3142	CMS3182	CMS3202	CMS3222	CMS3262
FANS 1 PH	1@15 HP, 40"	N/A	N/A	N/A	N/A
	2@10-12 HP, 28"	N/A	N/A	N/A	N/A
FANS 3 PH	1@15 HP, 40"	1@20 HP, 42"	1@25 HP, 42"	1@30 HP, 42"	1@40 HP, 42"
	2@10-12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	2@25 HP, 40"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]					
SINGLE PHASE, 220 V.	230/285	N/A	N/A	N/A	N/A
THREE PHASE, 208 V.	147/197	158/208	199/275	199/275	302/379
THREE PHASE, 230 V.	137/186	135/184	183/254	183/254	281/352
THREE PHASE, 460 V.	71/93	70/92	94/127	99/132	143/176
THREE PHASE, 575 V.	65/82	68/86	78/105	82/109	115/142

QUIET DRYER BLOWER SPECIFICATIONS

	142Q[7]	182Q[7]	202Q[7]	222Q[7]	262Q[7]
FANS PH	2@15 HP, 49"	2@25 HP, 54"	2@30 HP, 54"	2@30 HP, 54"	2@40 HP, 54"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]					
SINGLE PHASE, 230 V.	188/266	356/416	428/506	428/506	552/630
THREE PHASE, 230 V.	118/172	166/220	210/286	210/286	264/340
THREE PHASE, 460 V.	60/87	84/111	106/144	106/144	132/170

See page 19 for additional annotation.

CMS4003 SERIES

PORTABLE GRAIN DRYER SPECS

Configuration: Three modules, four fans & heaters, one on the upper and middle module and two on the lower module. Available with either Vane Axial Fans or Quiet Blowers (GSI Quiet Dryer).

Application: Primarily continuous Dry & Cool for corn and many other grains or All Heat for corn or rice. (Note it takes bins no larger than 50,000 bu. to cool corn dried in the All Heat mode at no more than 1,500 BPH capacity for safe cooling and storage without special management.) Economical design delivers 1,330 to 2,430 BPH Dry & Cool and 2,170 to 3,960 BPH All Heat high speed drying at 5-point removal.

	CMS4143 / 143Q[7]	CMS4183 / 183Q[7]	CMS4203 / 203Q[7]	CMS4223 / 223Q[7]	CMS4263 / 263Q[7]
DRYING CAPACITY, SHELLED CORN[1]					
DRY AND COOL 25% TO 15%	830 BPH	1,030 BPH	1,110 BPH	1,240 BPH	1,500 BPH
DRY AND COOL 20% TO 15%	1,330 BPH	1,650 BPH	1,780 BPH	2,000 BPH	2,430 BPH
FULL HEAT 30% TO 15%[2]	990 BPH	1,240 BPH	1,390 BPH	1,490 BPH	1,800 BPH
FULL HEAT 25% TO 15%[2]	1,350 BPH	1,660 BPH	1,810 BPH	2,020 BPH	2,460 BPH
FULL HEAT 20% TO 15%[2]	2,170 BPH	2,690 BPH	2,920 BPH*	3,270 BPH*	3,960 BPH*
BASIC CONSTRUCTION	3 Modules / 4 Stages	3 Modules / 4 Stages	3 Modules / 4 Stages	3 Modules / 4 Stages	3 Modules / 4 Stages
GRAIN COLUMNS	14" x 14' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
TOTAL HOLDING CAPACITY	1,074 BU	1,381 BU	1,534 BU	1,688 BU	1,995 BU
GRAIN COLUMN HOLDING CAP.	1,022 BU	1,314 BU	1,460 BU	1,606 BU	1,898 BU
TOP AUGER (LOADING)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
CAPACITY	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH	3,800 BPH
BOTTOM AUGER (UNLOADING)	8" Flight/10" Tube - 5 HP	8" Flight/10" Tube - 5 HP	8" Flight/10" Tube - 7.5 HP	8" Flight/10" Tube - 7.5 HP	8" Flight/10" Tube - 10 HP
METER ROLL DRIVE	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP	VFD, 1 HP
MAXIMUM CAPACITY	1,960 BPH	2,520 BPH	2,800 BPH	3,080 BPH	3,640 BPH
TRANSPORT LENGTH (HITCH TO DISCHARGE AUGER)[4]	23'2" (28'10")	27'2" (33'10")	29'2" (35'10")	31'2" (37'10")	35'2" (39'10")
TRANSPORT WIDTH	8'	8'	8'	8'	8'
TRANSPORT HEIGHT[3]	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")	13'5" (11'9")
TRANSPORT WEIGHT (APPROX.) (LESS TRANSPORT KIT)[4]	23,000 lbs. (26,100 lbs.)	26,500 lbs. (30,100 lbs.)	29,500 lbs. (32,200 lbs.)	30,500 lbs. (34,600 lbs.)	35,000 lbs. (39,100 lbs.)
INSTALLED LENGTH[4]	23'10" (26'10")	27'10" (31'10")	29'10" (33'10")	31'10" (35'10")	35'10" (37'10")
INSTALLED WIDTH	8'8"	8'8"	8'8"	8'8"	8'8"
INSTALLED HEIGHT (EXCLUDING FOUNDATION SUPPORTS)	37'3"	37'3"	37'3"	37'3"	37'3"
HEATERS (MAX BTU/HR)	2@5.5 Mil. btu/hr	2@6.75 Mil. btu/hr	2@7.5 Mil. btu/hr	2@8.75 Mil. btu/hr	2@10.25 Mil. btu/hr
	2@3 Mil. btu/hr	2@3.5 Mil. btu/hr	2@4.5 Mil. btu/hr	2@4.5 Mil. btu/hr	2@6.75 Mil. btu/hr
CE CERTIFICATION	no	no	no	no	YES

VANE AXIAL FAN SPECIFICATIONS

	CMS4143	CMS4183	CMS4203	CMS4223	CMS4263
FANS 1 PH	2@15 HP, 40"	N/A	N/A	N/A	N/A
	2@12 HP, 28"	N/A	N/A	N/A	N/A
FANS 3 PH	2@15 HP, 40"	2@20 HP, 42"	2@25 HP, 42"	2@30 HP, 42"	2@40 HP, 42"
	2@12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	2@25 HP, 40"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]					
SINGLE PHASE, 230 V.	303/358	N/A	N/A	N/A	N/A
THREE PHASE, 208 V.	188/238	210/260	266/343	266/343	300/377
THREE PHASE, 230 V.	175/224	183/232	245/316	245/316	279/350
THREE PHASE, 460 V.	90/112	94/116	125/158	135/168	192/225
THREE PHASE, 575 V.	81/98	88/106	103/130	111/138	154/181

QUIET DRYER BLOWER SPECIFICATIONS

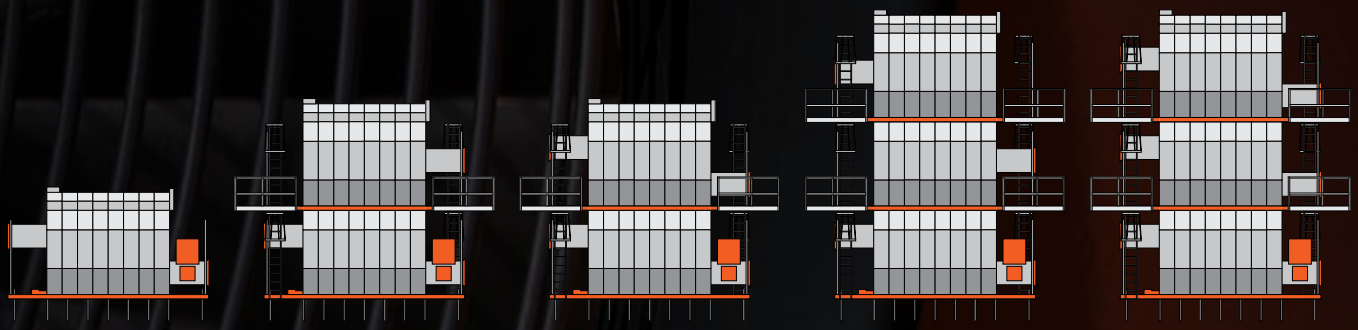
	143Q[7]	183Q[7]	203Q[7]	223Q[7]	263Q[7]
FANS PH	3@15 HP, 49"	3@25 HP, 54"	3@30 HP, 54"	3@30 HP, 54"	3@40 HP, 54"
ELECTRIC LOAD (MIN/MAX AMPS) (FAN, LOAD AUGER, UNLOAD. AUGER.)[5]					
SINGLE PHASE, 230 V.	589/649	748/808	264/342	516/594	621/699
THREE PHASE, 230 V.	274/328	334/388	167/243	238/314	300/376
THREE PHASE, 460 V.	138/165	168/195	84/122	120/158	150/188

See page 19 for additional annotation.

PORTABLE GRAIN DRYER SPECS

Configuration: X-Stream is an optional rearrangement of the fans on various dryers (CMS-H, CMS-M, CMS3002 and CMS4003 Series Dryers).

Application: Any size farm that wants to optimize grain drying abilities by drying grain more evenly. Adding the X-Stream Series will even out the heat delivery from front to back of the dryer, improving quality and efficiency. These dryers maintain all the features, benefits and best use criteria of the parent series.



X-STREAM

	CMS500HX	CMS650MX	CMS3202X	CMS3222X	CMS3262X	CMS1000HX	CMS1300MX	CMS4203X	CMS4223X	CMS4263X	CMS1500HX	CMS2000MX
STACKABLE												
MODULES	1	1	2	2	2	2	2	3	3	3	3	3
FANS	2	2	3	3	3	4	4	4	4	4	6	6
ELECTRICAL												
PHASE	1 or 3	1 or 3	3	3	3	1 or 3	3	3	3	3	1 or 3	3
VOLTAGE	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
FUEL	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG
WEIGHT (LBS.)	14,500	18,500	21,000	22,500	25,000	24,100	28,600	29,500	30,500	35,000	31,000	39,600
WET BUSHELS FULL HEAT (BPH)												
10 PT. 25-15%	615	820	1,245	1,355	1,670	1,250	1,670	1,825	2,040	2,475	1,830	2,480
5 PT. 20-15%	990	1,330	2,010	2,195	2,700	2,010	2,700	2,950*	3,300*	4,000*	2,950*	4,000*
WET BUSHELS DRY & COOL (BPH)												
10 PT. 25-15%	280	375	850	930	1,130	850	1,130	1,120	1,250	1,520	1,120	1,520
5 PT. 20-15%	445	600	1,375	1,500	1,835	1,380	1,840	1,800	2,015	2,445	1,800	2,020
CE CERTIFICATION	no	YES	no	YES	YES	no	no	no	no	YES	no	no

Amp and power info can be found on the previous specification pages, listed under the corresponding standard model numbers less the X.

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

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

3 - Shortest possible height in ( ).

4 - Quiet Dryer in ( ).

5 - Minimum: Fan(s) & Dryer Load & Unload motor name plate amperages + 5 for control & VFD load.
Maximum: Fan(s) & Dryer Load & Unload & largest auxiliary motor name plate amperages + 5 for control & VFD load.

6 - Small Grain Screen Perforations (0.055") are available for canola and other small grains.
There will be an approximate 20% reduction in capacity on corn and other large grains.

7 - Single to three phase converters can be used. (see page 13 for details)

† - S-Series dryers are upgradable with additional modules, while the H-Series is not.

** - Limited by Meter Roll maximum capacity.*

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40-SERIES™ GRAIN BINS

When determining the best system for your operation, we know that what is protected inside the bin is what counts the most. Every product we design, engineer and build is based on this foundation.

TOPDRY

Grain in the overhead chamber is dried by a large fan and heater then dumped to a holding area below. An aeration fan below captures heat from this previously dried grain, and pushes it upward to help dry the next load. This recycling of heat increases efficiency, which greatly reduces drying costs.

MATERIAL HANDLING

GSI's material handling line includes bucket elevators, chain conveyors, belt conveyors, bin unloads, and chain loops. Also available are towers, catwalks, and support structures.

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GSI and GSI Dealers alike share the same passion and commitment to our customers. GSI Dealers understand down time is not an option, construction schedules must be met. From site planning to installation and service, GSI Dealers are the proven partners for your operation. When you buy GSI, you get the quality product of a worldwide leader and the dependable service of your local Dealership.

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