



today's challenges,  
tomorrow's demands

farm fans grain dryers



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*We define grain drying.*

## Farm Fans Grain Dryers

For over 50 years, Farm Fans has been a trusted name in the grain drying industry. FFI dryers are built tough with the most modern features available for high performance and simplified operation. All of our units feature G165 galvanized, ribbed and perforated side-walls with solid 16-gauge column dividers every two feet. (Stainless steel perforated outside wall sheets along with stainless steel nuts, bolts and washers are also available.) Two-foot chambers facilitate even grain movement, as well as supply strength to

the dryer without the need for trash-collecting angle iron supports inside the grain columns and plenum areas. In addition, all dryers have heavy-duty structural steel base rails for additional support.

Farm Fans also gives each dryer a finishing touch—a durable, powder paint coated finish, one that protects the metal and your investment.

Reliable, efficient, and available in a variety of models and capacities, Farm Fans grain dryers are the choice for today's demanding drying applications.

“While many manufacturers are focused on copying our design, we’re focused on improving it.”



CF/AB Series



C2100B Series



CMS Series

FFI dryers are available in several different models to handle your specific drying requirements. All series offer Automatic Batch or Continuous Flow modes of operation. The C2100B centrifugal fan dryers are built to accent a specially designed converter package which allows a quick and effective conversion from full heat to dry and cool (utilizing pressure or vacuum cool type applications). In addition, this model can be equipped with our heat reclaimer for additional savings in operation costs. Our H and M Series dryers feature the most flexibility with a modular construction. You can start with a single unit, add a single fan, or a double fan module, and even a third module at a later date. The practical way to go, and grow.



C2100A Series

## Dri-Tek Controls

These single fan dryers feature microprocessor based controls with computer assisted operation and automated load and unload capabilities, which are extremely efficient and easy to operate.

Easy access gauges and switches with indicator lights provide quick reference for every operating function of the dryer. The flexible operation gives the user a choice between continuous flow or staged batch operation with the flip of a switch.

All dryer times and temperatures including, grain and plenum temperature, batch timers, level auger delay, out of grain timer, unload clean out delay and moisture control set point are easily programmable and monitored through a 6 key LCD display located on the main panel. The Dri-Tek computer control eliminates 99% of all moving parts in the control box, such as troublesome timers, mechanical relays, thermostats and time delays saving in setup time and dryer efficiency.



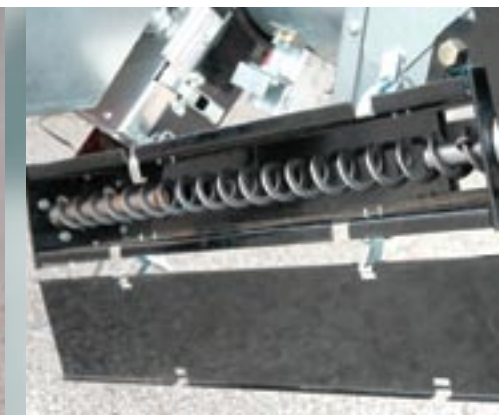
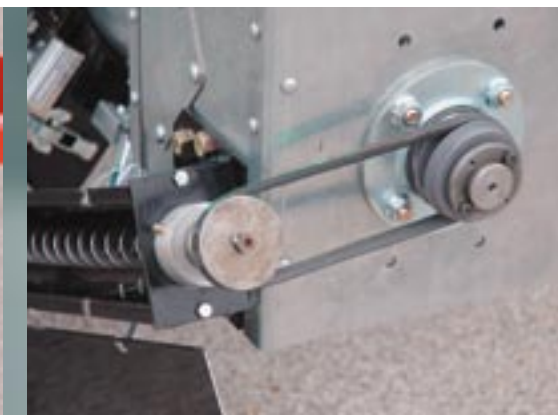
## Moisture/Matic / For Use with Dri-Tek

The Moisture/Matic allows FFI continuous flow grain dryers to adjust roller speed for the fluctuating grain moisture. It is an optional feature on all single fan continuous flow dryers.

The Moisture/Matic is easy to use, just adjust the potentiometer on the Moisture/Matic the same as you did on your dryer. Then dial in the desired moisture to come out of the dryer. It's that simple.

As grain moisture increases above the desired moisture (as determined by the operator), the metering roll speed slows to allow the grain to dry further. As grain moisture falls below the desired moisture the metering rolls speed up to cut down the drying time.

The Moisture/Matic has a built in printer, so you can easily monitor all critical dryer operations. The sampling unit for the Moisture/Matic requires no auxiliary power, because it is powered via a simple belt drive off of the rear auger.



# DRI-TEK *plus*

Network Dryer Control

“Defining the Future of Network Dryer Controls”

## DRI-TEK Plus

Welcome to a new era in network dryer controls: The new DRI-TEK Plus Dryer Control System. The DRI-TEK system lets you control all dryer functions from one location with an easy to use touch screen monitor. The system uses a windows ce.net operating system and a 32 bit microprocessor. Let DRI-TEK Plus take control of your dryer and let the future begin.

## DRI-TEK Plus 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 displayed on screen
- All shut-downs logged with time and date
- Remote control box with 7-16 gauge wires
- Safety Disconnect on every dryer
- Low voltage safety circuit
- Flash Memory Card to transfer Data to home computer
- Optional Printer

## Moisture Control

- Forward looking using temperature control 2/3 through dryer and capacitive control on fill and unload
- Integrated into Main Control of Dryer
- Graphing and Time Stamping



Computerized DRI-TEK Plus Control Panel Layout with Touch Screen Monitor



Dryer with DRI-TEK Plus Network Controls

**For more information see [www.fficorp.com/dri-tekplus](http://www.fficorp.com/dri-tekplus)**

# Screen Shots

Main Screen



Setup Configuration Screen



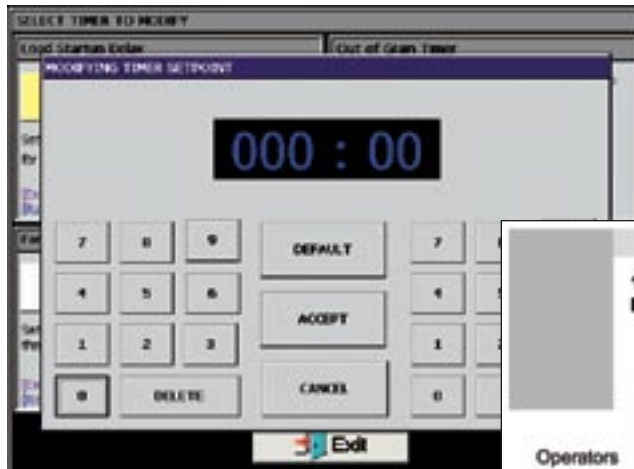
View Selection Screen



▼ Burner Temp Configuration



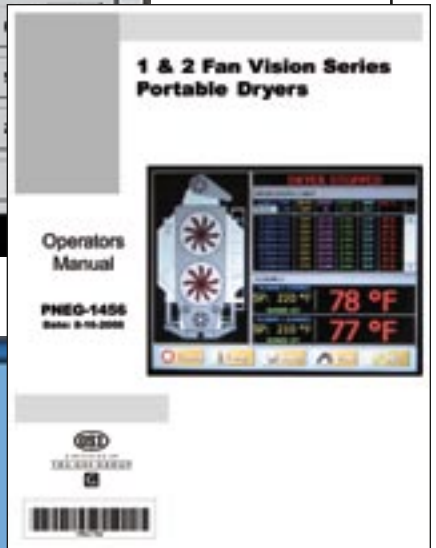
▼ Modifying Timer Setpoint



▼ Timers Configuration Screen



▼ Shutdown Help File





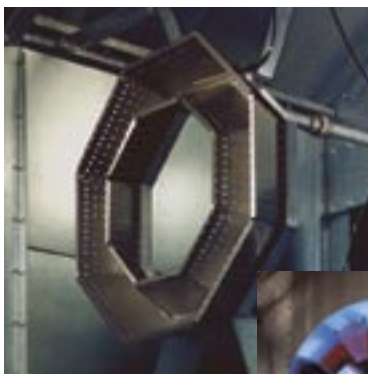
## Cast Aluminum Fan Blades

Reliable cast aluminum blades are used on all Farm Fans dryers. These blades are composed of 319 Cast Aluminum alloy for longer life, excellent operating parameters in high static pressure conditions, and manufacturer balanced to assure optimal performance and greater efficiency.



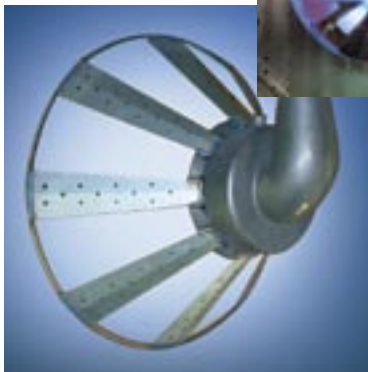
## Fan Housings

Fan housings are constructed of 12 ga. Galvanized steel, and a powder paint coated finish to resist rust and weathering. Optional stainless steel fan housings are available.



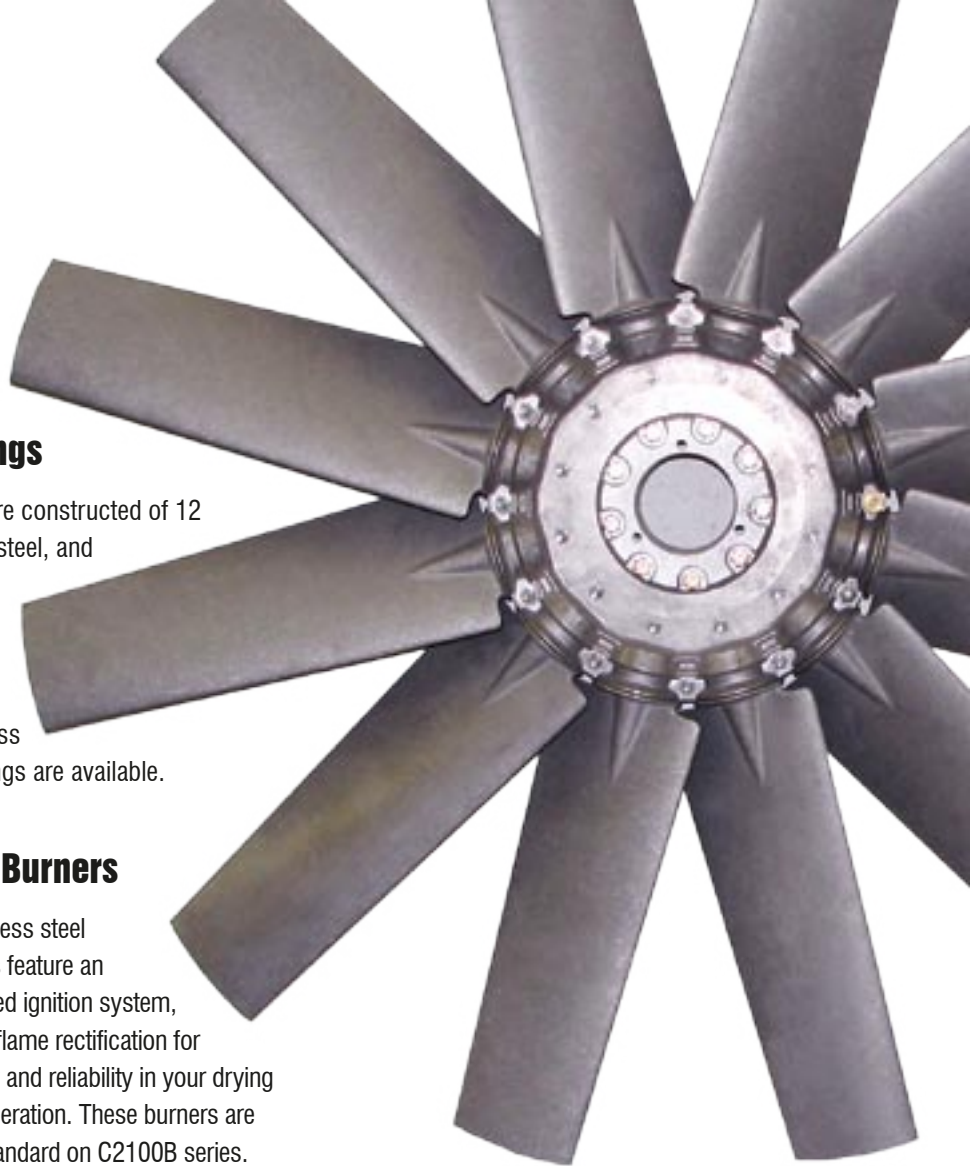
## Octagonal Burners

Farm Fans stainless steel octagon burners feature an electronically fired ignition system, with solid-state flame rectification for increased safety and reliability in your drying operation. These burners are standard on C2100B series.



## Fuel Efficient Starfire™ Burners

The Starfire™ burner is industry proven, and time-tested. Aluminized steel burner vanes, and cast iron burner weldment give the strength, dependability, and reliability found in the Farm Fans axial fan dryer line.



## View Window

A view window on the side of the fan housing allows easy monitoring of burner operation.



## 8" DURA-EDGE® Auger Flighting

All augers feature the new DURA-EDGE® 8" diameter flighting with 1/4" ribbon. The DURA-EDGE® 1/4" flighting has an outside edge that is 30% thicker than regular flighting, which leads to extended wear.





**T**echnologically advanced, pre wired control center including standard auxiliary equipment controls for loading and unloading.

**I**ndustrial grade double-belt drives on top and bottom auger drives.

**A**plenum high limit sensor on the right and hi-lo plenum sensor on the left side.

**Q**uiet and efficient low speed fans.

**H**eavy duty double pitched lighting.

**R**eliable, industrial grade components.

**O**ptional, stationary, leg packages available.

**G**165 galvanized, ribbed and perforated sidewalls, (stainless steel optional).

**F**uel-efficient Starfire™ burners on all axial fan models. Octagonal stainless steel burners with corrosion resistant plumbing on centrifugal units.

**W**ork light doubles as a shut down indicator.

**16**-gauge column dividers and individualized 2' compartments.

“Full of features and options that are simply unmatched in the industry.”



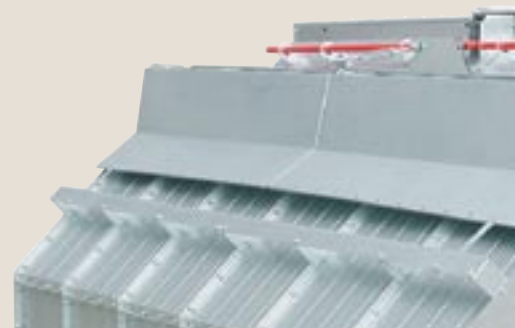
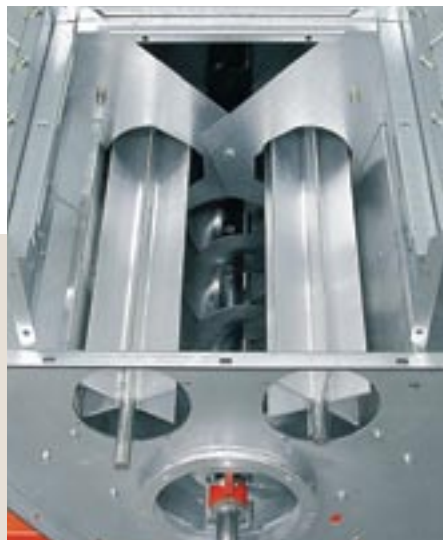
**D**urable, powder paint coated components.

**14**-inch grain columns for efficient, quality controlled grain flow.

**S**tructural steel side rails for maximum strength.

## 7" Diameter Metering Roll System

- Reduces the possibility of restricted metering roll flow during difficult harvest seasons.
- Reduces hp requirement by engineered flow design application.
- Utilization of a 6-fluted x 7" diameter aluminum extruded meter roll.
- Unloads more evenly over the entire width of column.
- Allows greater access to unload and metering system internally, for easy clean out.
- Virtually eliminates material bridging over metering system in heavy trash applications.
- Grain column adjustments are not necessary with this metering system.



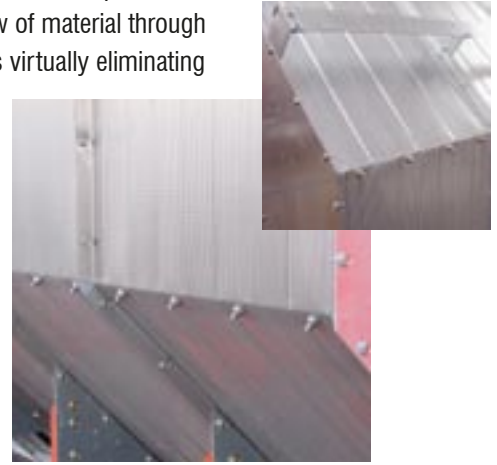
## Rear Discharge Auto-Shutdown

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



## 3-Piece Sidewall Screens

Farm Fans 3-piece sidewall panels allow positive flow of material through the grain columns virtually eliminating material bridging at the panel seams.



## Clean out Made Easy

An extra wide rear access door and 12" cleanout doors assists in seasonal clean out of the dryer.

Inside metering and unload auger access panels lift freely out of the way to accommodate service and maintenance.

External cleanout doors positioned in each grain column offer quick and easy unloading of the dryer if needed.



## Access Ladders

Farm Fans ladders feature heavy-duty construction and slip resistant patterns to give you extra grip in wet conditions. It's this attention to detail and quality design that has given Farm Fans a solid foothold in the grain drying business.



## Low Profile, Fold-Up Wet Bin

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



# CF/AB

## FULL HEAT CONTINUOUS FLOW OR AUTO BATCH

- DRI-TEK Control System standard on single fan dryers
- Out of Grain--Unload Cleanout
- Remote capable control center
- Low profile wet bin standard
- Optional Moisture/Matic Control



**CF/AB 150**



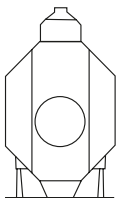
**CF/AB 190**



**CF/AB 270**



**CF/AB 320**



CFAB Single Fan Dryers

Model	CFAB190	CFAB270	CFAB320	CFAB370
<b>Grain Column Length</b>	8 FT.	12 FT.	14 FT.	16 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>				
Transport Length	17' - 2"	21' - 2"	23' - 2"	25' - 2"
Transport Width	8'	8'	8'	8'
Transport Height	13' - 5"	13' - 5"	13' - 5"	13' - 5"
Installed Length	17' - 2"	19' 2"	21' 2"	23' 2"
Installed Width	8'	8'	8'	8'
Installed Height	14' - 5"	14' - 5"	14' - 5"	14' - 5"
<b>Fan(s)</b>	28"	36"	40"	40"
	10-13HP	15HP	15HP	15HP
	1750RPM	1750RPM	1750RPM	1750RPM
<b>Heater(s) BTU/HR(MM)</b>	3	4.6	5.8	5.8
<b>Augers</b>				
Top Auger (HP/BPH)	2HP/925	2HP/1150	5HP/1800	5HP/2800
Bottom Auger (HP/BPH)	1.5HP/680	2HP/815	3HP/955	3HP/1089
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>				
Single Phase 230 Volt	77	96	130	130
Three Phase 230 Volt	44	52	65	65
Three Phase 460 Volt	22	26	33	33
<b>Drying Capacity(BPH)</b>				
Dry & Cool 25% to 15%	150	205	240	280
Dry & Cool 20% to 15%	202	275	320	370
Full Heat 25% to 15%	240	335	400	440
Full Heat 20% to 15%	375	520	620	710
<b>Holding Capacity (Total)</b>	218	327	381	436
<b>Holding Capacity (Column)</b>	188	282	329	376

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.

## FULL HEAT CONTINUOUS FLOW OR AUTO BATCH

- DRI-TEK Control System standard on single fan dryers (not available on 510 dryers)
- Out of Grain--Unload Cleanout
- Remote capable control center
- Low profile wet bin standard
- Optional Moisture/Matic Control

# CF/AB

Model	CFAB400	CFAB460	CFAB510	CFAB511	CFAB601
<b>Grain Column Length</b>	18 FT.	20 FT.	22 FT.	22 FT.	26 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>					
Transport Length	27' - 2"	29' - 2"	31' - 2"	31' - 2"	35' - 2"
Transport Width	8'	8'	8'	8'	8'
Transport Height	13' - 5"	13' - 5"	13' - 5"	13' - 5"	13' - 5"
Installed Length	25' 2"	27' 2"	29' 2"	29' 2"	33' 2"
Installed Width	8'	8'	8'	8'	8'
Installed Height	14' - 5"	14' - 5"	14' - 5"	14' - 5"	14' - 5"
<b>Fan(s)</b>	1	1	2	1	1
	42"	42"	36"	42"	42"
	20HP	25HP	15HP	30HP	40HP
	1750RPM	1750RPM	1750RPM	1750RPM	1750RPM
<b>Heater(s)</b>					
Top BTU/HR(MM)	6.8	7.5	4.6	8.8	10.3
Bottom BTU/HR(MM)	--	--	4.6	--	--
<b>Augers</b>					
Top Auger (HP/BPH)	5HP/2800	7.5HP/2800	7.5HP/2800	7.5HP/2800	10HP/2800
Bottom Auger (HP/BPH)	3HP/1225	5HP/1360	5HP/1495	5HP/1495	7.5HP/1770
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>					
Single Phase 230 Volt	--	--	217	--	--
Three Phase 230 Volt	95	107	127	114	150
Three Phase 460 Volt	46	53	63	57	75
<b>Drying Capacity(BPH)</b>					
Dry & Cool 25% to 15%	305	330	390	390	445
Dry & Cool 20% to 15%	415	450	520	520	605
Full Heat 25% to 15%	505	540	610	610	715
Full Heat 20% to 15%	865	925	990	990	1155
<b>Holding Capacity (Total)</b>	490	544	599	599	708
<b>Holding Capacity (Column)</b>	423	470	517	517	611

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.



CF/AB 400



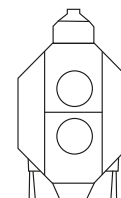
CF/AB 460



CF/AB 510



CF/AB 601



CFAB 510 & 600 Dryers

# C2100A

## FULL HEAT OR DRY AND COOL CONTINUOUS FLOW DRYING MODE

- DRI-TEK Plus Controls standard equipment
- Low profile wet bin standard
- 3 types of Moisture Control included:
  - Temperature based 2 speed
  - Moisture based infinitely variable
  - Moisture based 5 speed
- Remote capable control center
- Load and unload auxiliary starters



C2120A



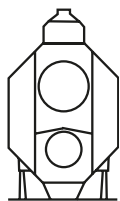
C2125A



C2130A



C2140A



C2100A Dryers

Model	C2120A	C2122A	C2125A	C2130A	C2132A	C2140A
<b>Grain Column Length</b>	14 FT.	16 FT.	18 FT.	20 FT.	22 FT.	26 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>						
Transport Length	23' - 1.5"	23' - 1.5"	27' - 1.5"	28' - 1.5"	30' - 1.5"	35' - 1.5"
Transport Width	8'	8'	8'	8'		8'
Transport Height	13' - 5"	13' - 5"	13' - 5"	13' - 5"	13' - 5"	13' - 5"
Installed Length	21'	23'	25'	27'	29'	33'
Installed Width	8'	8'	8'	8'	8'	8'
Installed Height	14' - 6"	14' - 6"	14' - 6"	14' - 6"	14' - 6"	14' - 6"
<b>Fan(s)</b>	2	2	2	2	2	2
Top	13HP 28" 1750RPM	15HP 36" 1750RPM	15HP 36" 1750RPM	20HP 39" 1750RPM	20HP 42" 1750RPM	25HP 42" 1750RPM
Bottom	10HP 28" 1750 RPM	10HP 28" 1750 RPM	10HP 28" 1750 RPM	13HP 28" 1750 RPM	13HP 28" 1750 RPM	13HP 28" 1750 RPM
<b>Heater(s) BTU/HR(MM)</b>						
Top	3	4.6	4.6	6	6.8	7.5
Bottom	2.3	2.3	2.3	3	3	3
<b>Augers</b>						
Top Auger (HP/BPH)	5HP/1800	5HP/2800	5HP/2800	7.5HP/2800	7.5HP/2800	10HP/2800
Bottom Auger (HP/BPH)	3HP/955	3HP/1089	3HP/1225	5HP/1360	5HP/1495	7.5HP/1770
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>						
Single Phase 230 Volt	146	187	187	--	--	--
Three Phase 230 Volt	92	96	96	135	144	154
Three Phase 460 Volt	46	48	48	68	72	77
<b>Drying Capacity(BPH)</b>						
Dry & Cool 25% to 15%	226	290	315	350	395	455
Dry & Cool 20% to 15%	390	465	505	595	640	774
Full Heat 25% to 15%	395	475	520	600	650	780
Full Heat 20% to 15%	640	765	840	980	1055	1274
<b>Holding Capacity (Total)</b>	381	436	490	544	599	708
<b>Holding Capacity (Column)</b>	329	376	423	470	517	611

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.

**PRESSURE DRY/VACUUM COOL, FULL HEAT CONTINUOUS FLOW OR PRESSURE DRY/PRESSURE COOL DRYING MODES**

# C2100B

- DRI-TEK Plus Controls standard equipment
- Low profile wet bin standard
- 3 types of Moisture Control included:
  - Temperature based 2 speed
  - Moisture based infinitely variable
  - Moisture based 5 speed
- Remote capable control center
- Load and unload auxiliary starters

Model	C2130B	C2140B	C2160B	C2175B	C21100B
<b>Grain Column Length</b>	20 FT.	26 FT.	34 FT.	34 FT.	38 FT.
<b>Dimensions - includes standard 29" fold-up wet bin.</b>					
Transport Length	29' - 2"	35' - 2"	43' - 2"	43' - 2"	47' - 2"
Transport Width	8'	8'	8'	8'	8'
Transport Height	12' - 10"	12' - 10"	12' - 10"	12' - 10"	12' - 10"
Installed Length	33' - 3"	39' - 3"	48' - 9"	48' - 9"	52' - 9"
Installed Width*	8'	8'	11'	11'	11'
*with heat reclaimer	11'	11'	11'	11'	11'
Installed Height	17' - 10"	17' - 10"	17' - 10"	17' - 10"	17' - 10"
<b>Fan(s)</b>	CENTRIFUGAL 30HP	CENTRIFUGAL 40HP	CENTRIFUGAL 60HP	CENTRIFUGAL 75HP	CENTRIFUGAL 100HP
<b>Heater(s) BTU/HR(MM)</b>	7	9	12	12	12
<b>Augers</b>					
Top Auger (HP/BPH)	7.5HP/2800	10HP/2800	10HP/2800	10HP/2800	15HP/2800
Bottom Auger (HP/BPH)	7.5HP/1360	7.5HP/1770	10HP/2315	10HP/2315	10HP/2585
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>					
Three Phase 230 Volt	117	155	205	240	310
Three Phase 460 Volt	59	78	103	120	155
<b>Drying Capacity(BPH)</b>					
Dry & Cool 25% to 15%	350	455	585	620	700
Dry & Cool 20% to 15%	595	774	1010	1070	1210
Full Heat 25% to 15%	550	720	940	980	1100
Full Heat 20% to 15%	945	1220	1610	1680	1900
Pressure Dry 25% to 15%	332	431	563	589	668
Pressure Dry 20% to 15%	573	745	973	1017	1155
<b>Holding Capacity (Total)</b>	595	775	1010	1010	1129
<b>Holding Capacity (Column)</b>	460	600	781	781	873



**C2130B**



**C2140B**



**C2160B**



**C2175B**



**C21100B**

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.

# CMS-H

## FULL HEAT OR DRY AND COOL CONTINUOUS FLOW DRYING MODE

- DRI-TEK Plus Controls standard equipment
- Low profile wet bin standard
- Buttruss and service platform kits are included
- 3 types of Moisture Control included:
  - Temperature based 2 speed
  - Moisture based infinitely variable
  - Moisture based 5 speed
- Remote capable control center



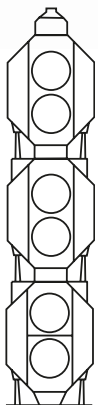
500H



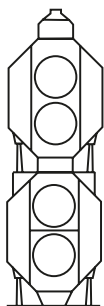
1000H



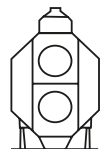
1500H



1500 & 2000  
Dryers



1000-1300  
Dryers



500-650  
Dryers

Model	CMS500H	CMS1000H	CMS1500H
<b>Grain Column Length</b>	20 FT.	20 FT.	20 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>			
Transport Length	29' - 2"	29' - 2"	29' - 2"
Transport Width	8'	8'	8'
Transport Height	13' - 5"	13' - 5"	13' - 5"
Installed Length*	27'	9' - 10.5"	29' - 10.5"
Installed Width*	8'	11' - 2"	11' - 2"
Installed Height**	15' - 10"	27' - 2"	38' - 6"
<i>*with service platform and buttruss system</i>			
<i>**above foundation</i>			
<b>Fan(s)</b>	2	4	6
	36", 10-16HP	36", 10-16HP	36", 10-16HP
	1750 RPM	1750 RPM	1750 RPM
<b>Heater(s) BTU/HR(MM)</b>	9.2	18.4	27.6
<b>Augers</b>			
Top Auger (HP/BPH)	7.5HP/3200	10HP/3200	10HP/3200
Bottom Auger (HP/BPH)	5HP/1370	7.5HP/2590	7.5HP/2590
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>			
Single Phase 230 Volt	230	--	--
Three Phase 230 Volt	120	216	298
Three Phase 460 Volt	60	58	149
<b>Drying Capacity(BPH)</b>			
Dry & Cool 25% to 15%	265	800	1095
Dry & Cool 20% to 15%	460	915	1715
Full Heat 25% to 15%	595	1190	1785
Full Heat 20% to 15%	1010	2015	3020
<b>Holding Capacity (Total)</b>	545	1100	1590
<b>Holding Capacity (Column)</b>	460	965	1455

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.

# CMS-M

Model	CMS650M	CMS1300M	CMS2000M
<b>Grain Column Length</b>	26 FT.	26 FT.	26 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>			
Transport Length	35' - 1.5"	35' - 1.5"	35' - 1.5"
Transport Width	8'	8'	8'
Transport Height	13' - 5"	13' - 5"	13' - 5"
Installed Length	35' - 10.25"	35' - 10.25"	35' - 10.25"
Installed Width	11' - 2"	11' - 2"	11' - 2"
Installed Height	15' - 10"	27' - 2"	38' - 6"
* with service platform and buttress system			
** above foundation			
<b>Fan(s)</b>	<b>2</b>	<b>4</b>	<b>6</b>
	39" 20HP	39" 20HP	39" 20HP
	1750RPM	1750RPM	1750RPM
<b>Heater(s) BTU/HR(MM)</b>	12	24	36
<b>Augers</b>			
Top Auger (HP/BPH)	10HP/3200	10HP/3200	10HP/3800
Bottom Auger (HP/BPH)	7.5HP/1770	10HP/2780	10HP/3370
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>			
Single Phase 230 Volt			
Three Phase 230 Volt	168	292	408
Three Phase 460 Volt	84	146	204
<b>Drying Capacity(BPH)</b>			
Dry & Cool 25% to 15%	338	1063	1425
Dry & Cool 20% to 15%	596	1211	2232
Full Heat 25% to 15%	774	1547	2320
Full Heat 20% to 15%	1313	2620	3926
<b>Holding Capacity (Total)</b>	774	1430	2067
<b>Holding Capacity (Column)</b>	598	1254	1891



**650M**



**1300M**



**2000M**

Capacities listed are wet bushels, shelled corn at listed input 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.

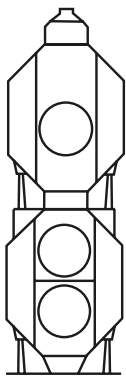
Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.

# CMS-3002

## CONTINUOUS FLOW FULL HEAT OR DRY AND COOL DRYING MODE

- DRI-TEK Plus Controls standard equipment
- Low profile wet bin standard
- Buttress and service platform kits are included
- 3 types of Moisture Control included:
  - Temperature based 2 speed
  - Moisture based infinitely variable
  - Moisture based 5 speed
- Remote capable control center

Model	CMS3142	CMS3182	CMS3202	CMS3222	CMS3262
<b>Grain Column Length</b>	14 FT.	18 FT.	20 FT.	22 FT.	26 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>					
Transport Length	23' - 2"	27' - 2"	29' - 2"	31' - 2"	35' - 2"
Transport Width	8'	8'	8'	8'	8'
Transport Height	13' - 5"	13' - 5"	13' - 5"	13' - 5"	13' - 5"
Installed Length	23' - 10"	27' - 10"	29' - 10"	31' - 10"	35' - 10"
Installed Width	8'	8'	8'	8'	8'
Installed Height	25' - 11"	25' - 11"	25' - 11"	25' - 11"	25' - 11"
<b>Fan(s)</b>	3	3	3	3	3
	40", 15HP 1750RPM	42", 20HP 1750RPM	42", 25HP 1750RPM	42", 30HP 1750RPM	42", 40HP 1750RPM
	28", 12HP(2) 1750RPM	36", 12HP(2) 1750RPM	36", 15HP(2) 1750RPM	36", 15HP(2) 1750RPM	40", 25HP(2) 1750RPM
<b>Heater(s) BTU/HR(MM) TOP</b>	5.5	6.8	7.5	8.8	10.8
<b>BOTTOM</b>	6	7	9	9	13.5
<b>Augers</b>					
Top Auger (HP/BPH)	5HP/3800	5HP/3800	7.5HP/3800	7.5HP/3800	10HP/3800
Bottom Auger (HP/BPH)	5HP/1960	5HP/2520	7.5HP/2800	7.5HP/3080	10HP/3640
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>					
Single Phase 230 Volt	204	--	--	--	--
Three Phase 230 Volt	132	146	182	192	278
Three Phase 460 Volt	66	73	91	96	139
<b>Drying Capacity(BPH)</b>					
Dry & Cool 25% to 15%	615	770	850	930	1130
Dry & Cool 20% to 15%	995	1235	1375	1500	1835
Full Heat 25% to 15%	900	1120	1245	1355	1670
Full Heat 20% to 15%	1455	1805	2010	2195	2700
<b>Holding Capacity (Total)</b>	731	940	1044	1149	1304
<b>Holding Capacity (Column)</b>	679	873	970	1067	1267



CF3002  
Dryers

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.

**CONTINUOUS FLOW FULL HEAT OR DRY  
AND COOL DRYING MODE**

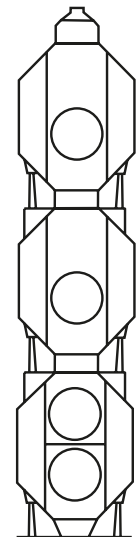
- DRI-TEK Plus Controls standard equipment
- Low profile wet bin standard
- Buttress and service platform kits are included
- 3 types of Moisture Control included:
  - Temperature based 2 speed
  - Moisture based infinitely variable
  - Moisture based 5 speed
- Remote capable control center

# CMS-4003

<b>Model</b>	<b>CMS4143</b>	<b>CMS4183</b>	<b>CMS4203</b>	<b>CMS4223</b>	<b>CF4263</b>
<b>Grain Column Length</b>	14 FT.	18 FT.	20 FT.	22 FT.	26 FT.
<b>Dimensions - includes low profile fold up wet bin.</b>					
Transport Length	23' - 2"	27' - 2"	29' - 2"	31' - 2"	35' - 2"
Transport Width	8'	8'	8'	8'	8'
Transport Height	13' - 5"	13' - 5"	13' - 5"	13' - 5"	13' - 5"
Installed Length	23' - 10"	27' - 10"	29' - 10"	31' - 10"	35' - 10"
Installed Width	8'	8'	8'	8'	8'
Installed Height	37' - 3"	37' - 3"	37' - 3"	37' - 3"	37' - 3"
<b>Fan(s)</b>	4	4	4	4	4
	40", 15HP(2) 1750RPM	42", 20HP(2) 1750RPM	42", 25HP(2) 1750RPM	42", 30HP(2) 1750RPM	42", 40HP(2) 1750RPM
	28", 12HP(2) 1750RPM	36", 12HP(2) 1750RPM	36", 15HP(2) 1750RPM	36", 15HP(2) 1750RPM	40", 25HP(2) 1750RPM
<b>Heater(s) BTU/HR(MM) TOP</b>	11	13.5	15	17.5	20.5
<b>BOTTOM</b>	6	7	9	9	13.5
<b>Augers</b>					
Top Auger (HP/BPH)	5HP/3800	5HP/3800	7.5HP/3800	7.5HP/3800	10HP/3800
Bottom Auger (HP/BPH)	5HP/1960	5HP/2520	7.5HP/2800	7.5HP/3080	10HP/3640
<b>Metering Roll Drive</b>	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR	1/3 HP DC SCR
<b>Electrical Load (MRA) - Excludes auxiliary load and unload equipment amps</b>					
Single Phase 230 Volt	266	--	--	--	--
Three Phase 230 Volt	171	198	246	266	376
Three Phase 460 Volt	85	99	123	133	188
<b>Drying Capacity(BPH)</b>					
Dry & Cool 25% to 15%	840	1035	1120	1250	1520
Dry & Cool 20% to 15%	1340	1665	1800	2015	2445
Full Heat 25% to 15%	1355	1680	1825	2040	2475
Full Heat 20% to 15%	2190	2720	2950	3300	4000
<b>Holding Capacity (Total)</b>	1074	1381	1534	1688	1995
<b>Holding Capacity (Column)</b>	1022	1314	1460	1606	1898

Capacities listed are wet bushels, shelled corn at listed input 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.

Full heat capacities discharge at 17% content resulting in 15% final content after steeping and cooling.



CF4003  
Dryers



Farm Fan's main manufacturing facility is located in Newton, IL USA. Here, engineering, sales and manufacturing personnel work closely with one another to design, assemble and refine the next generation of grain drying systems. We know that the future depends on the quality and dependability of our products. If they can stand up to our quality standards on the inside, we know they can stand up to years of dependable operation on the outside.

Every Farm Fans grain dryer is thoroughly tested before it goes out the door. Before the fan is attached to the grain basket and the controls are mounted, they are pre-tested. The final test encompasses everything but grain. Each dryer as a finished unit is hooked up to electrical power and LP or natural gas and an actual run is simulated, testing everything from electronic control setup to actual firing of the fan and heater unit.

Preliminary engineering and design of a product are keys to the dependable performance and efficient operation of that product. With advanced CAD (Computer Aided Design) capabilities, Farm Fans creates, tests and refines the design of dryers on computers before they go into actual production. Beyond conceptual computer designs, confirmation of actual performance is compiled by utilizing a computerized fan testing chamber to ensure test performance data.

*Flexibility*



**Take a look at these other fine products available from Farm Fans!**

- Vane Axial & Centrifugal Fans and Heaters
- A Full Line of Grain Spreaders
- Safe and Economical Convey Air Systems
- CA Select™ Convey Air Distributors
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