

EZEE-DRY®

Grain Drying Systems



EZEE-DRY® from STORMOR

The original time-tested overhead grain drying & storage system.

Now made even better.



Add EZEE-DRY to your on-farm grain storage system for greater efficiency and more control over your grain quality.

EZEE-DRY from Stormor is the industry's first-ever roof-top grain drying system. This innovative, time-tested approach to grain drying and storage is now even better thanks to innovations in technology, engineering and manufacturing.

Essentially, EZEE-DRY puts a grain dryer in the top of a grain bin—combining a drying bin, cooling bin and storage bin all in one! As the grain dries, it is dumped into the storage area below. So your drying system doubles as a storage bin as well! You don't have to wrestle with a portable grain dryer.

Simply one of the most cost-efficient ways

- **Low start-up and initial cost** allows you to add grain drying capability to your farm easily and affordably.
- **Simple and efficient** to operate with few moving parts. Simple operation makes the system easy to learn and use—and easy to remember from season to season.
- **Expandable system** allows EZEE-DRY to grow with your farming operation—and larger systems.
- **The industry's highest-rated roof system** adds strength, service life and confidence to your EZEE-DRY system.
- **Low maintenance costs** keep your operating costs manageable and reduce investment in replacement and repairs.



EZEE-DRY SYSTEM CAPACITY

BIN DIAMETER			BATCH CAPACITY		EAVE HEIGHT		GRAIN STORAGE CAPACITY (1)			
feet	meters	rings	bushels	metric tons	feet	meters	Normal (2)		Maximum (3)	
							bushels	metric tons	bushels	metric tons
18	5.4	7.5	540	13.7	19'- 9"	6.02	2820	71.7	3989	101.4
18	5.4	8.5	540	13.7	22'- 5"	6.83	3384	86.0	4561	115.9
18	5.4	9.5	540	13.7	25'- 1"	7.65	3948	100.3	5133	130.4
21	6.4	7.5	750	19.1	19'- 9"	6.02	3853	97.9	5445	138.3
21	6.4	8.5	750	19.1	22'- 5"	6.83	4622	117.4	6223	158.1
21	6.4	9.5	750	19.1	25'- 1"	7.65	5390	137.0	6670	169.5
24	7.3	7.5	1,000	25.4	19'- 9"	6.02	5054	128.4	7132	181.2
24	7.3	8.5	1,000	25.4	22'- 5"	6.83	6051	153.7	8149	207.1
24	7.3	9.5	1,000	25.4	25'- 1"	7.65	7059	179.4	9165	232.9
24	7.3	10.5	1,000	25.4	27'- 9"	8.46	8061	204.8	10182	258.7
24	7.3	11.5	1,000	25.4	30'- 5"	9.27	9063	230.3	11199	284.5
27	8.2	7.5	1,200	30.5	19'- 9"	6.02	6331	160.9	8961	227.7
27	8.2	8.5	1,200	30.5	22'- 5"	6.83	7600	193.1	10248	260.4
27	8.2	9.5	1,200	30.5	25'- 1"	7.65	8869	225.3	11534	293.1
27	8.2	10.5	1,200	30.5	27'- 9"	8.46	10138	257.6	12821	325.8
27	8.2	11.5	1,200	30.5	30'- 5"	9.27	11407	289.8	14108	358.5
30	9.1	7.5	1,500	38.1	19'- 9"	6.02	7834	199.0	11081	281.5
30	9.1	8.5	1,500	38.1	22'- 5"	6.83	9401	238.9	12670	321.9
30	9.1	9.5	1,500	38.1	25'- 1"	7.65	10968	278.7	14258	362.3
30	9.1	10.5	1,500	38.1	27'- 9"	8.46	12535	318.5	15847	402.6
30	9.1	11.5	1,500	38.1	30'- 5"	9.27	14102	358.3	17436	443.0
36	10.9	7	2,100	53.4	19'- 6"	5.94	9310	236.6	12635	321.0
36	10.9	8	2,100	53.4	22'- 2"	6.76	11598	294.7	15897	403.9
36	10.9	9	2,100	53.4	24'-10"	7.57	13885	352.8	18184	462.0
36	10.9	10	2,100	53.4	27'- 6"	8.38	16172	410.9	20472	520.2
36	10.9	11	2,100	53.4	30'- 2"	9.20	18459	469.0	22760	578.3

Taller models may be available on request.

(1) Bushels, shelled corn.

(2) Level fill to 1 ring below EZEE-DRY angle ring (1-1/2 ring on 36') batch capacity included.

(3) For maximum capacity remove top cap of EZEE-DRY and fill up to the bottom on the dump spouts. Covers are required over the inside fan openings. On 36' models use the center dump spouts to achieve this.

to add grain drying to your operation:

- **Your choice of batch or continuous flow system** to match your grain volume, handling and drying demands.
- **State-of-the-art controls, sensors and switches** that provide accurate and reliable operation.
- **G-115 galvanization** used throughout, providing up to 27% longer life than competitors who settle for G-90. This is especially important given the hot, moist environment inside the bin.
- **A wide range of options and accessories** that add capability, safety and accessibility to your EZEE-DRY system.
- **Unmatched service and support** from a local dealer you trust.

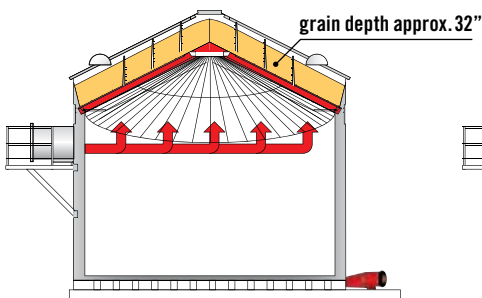
DRYING OPTIONS

EZEE-DRY® from Stormor offers two options for managing the grain drying process.

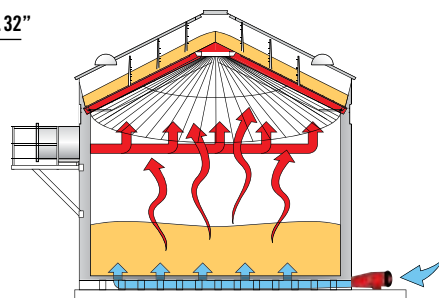
BATCH DRYING

MANUAL Perfect for situations for drying relatively small or intermittent volumes of grain. Batch drying with EZEE-DRY® combines reliable technology with simple, safe and easy manual operation to allow you to manage your grain drying as you see fit. System can easily be upgraded to continuous flow.

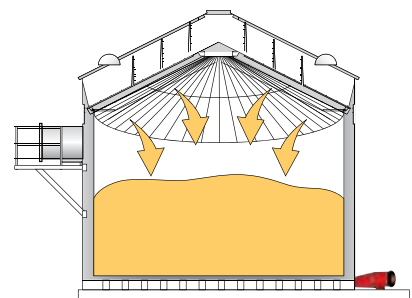
How batch drying works:



- Single batch of grain is dumped into the upper drying section of the system.
- Fans and heaters force hot air through an even layer of wet grain in the drying chamber.



- Heat from previously dried grain is captured by outside air from the cooling fan, and combined with aeration air help dry the following batch.
- This added efficiency helps control energy costs.

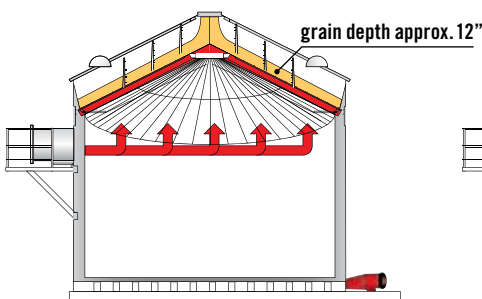


- When grain is dried to specified temperature, fans and heaters stop operating.
- Dump chutes are opened manually to allow hot dried grain to fall into the cooling/storage area.
- Drying chamber is refilled with grain manually to begin the next batch.

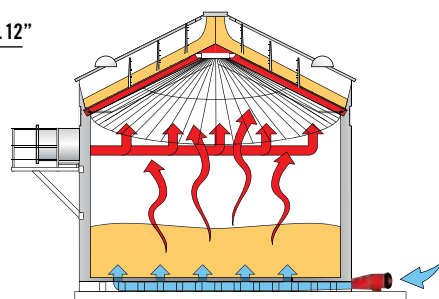
CONTINUOUS FLOW

AUTOMATIC Provides 24-hour continuous and automatic operation with high degree of reliability, accuracy and confidence. An electric motor with hydraulic cylinder is controlled by temperature sensors in the grain column to automatically open and close dump spouts. A variety of available sensors monitor grain levels to help keep your EZEE-DRY® system operating continuously.

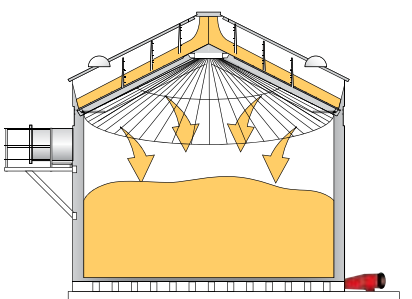
How continuous flow drying works:



- Steady supply of grain is continuously dumped into the upper drying section of the system.
- Fans and heaters force hot air through layers of grain in varying depths in the drying chamber.



- Heat from previously dried grain is captured by outside air from the cooling fan and reused to provide continuous drying.
- This added efficiency helps control energy costs.



- When grain is dried to specified temperature, dump chutes open to let a set amount of hot dried grain fall into the cooling/storage area.
- Drying chamber is automatically refilled and the process continues until there is no more supply of wet grain.

AIR DELIVERY & CONTROLS

AIR DELIVERY

Stormor is a division of Global Industries, a multi-faceted company specializing in grain storage handling systems. As a result, we can offer industry-leading fans from NECO for your EZEE-DRY system.

High volume airflow combines with low static pressure, low temperature drying and low horsepower requirements to efficiently and safely dry your grain.

The cooling fan recirculates hot air thrown off by the cooling grain back up to the drying chamber to help dry the next batch—improving drying efficiency and lowering energy costs. System is expandable by adding fans or increasing fan sizes to provide greater capacity and drying capability.

Air delivery for EZEE-DRY is available in two configurations:



Ground-Mounted with Duct Work

In this configuration, the drying fan is mounted at ground level for ease of operation and maintenance. Duct work mounting directs the air to the drying chamber—and creates an even heat/air mix.



Platform Mounting This configuration puts the drying fan on a platform at the top of the storage bin, eliminating the cost of duct work, reducing ground level noise, improving efficiency of air delivery and reducing problems associated with grain dust. Sturdy access stairs (optional) provide safe and easy access to the fan for maintenance.

CONTROLS

Stormor EZEE-DRY uses only high-quality Kahler Automation controls, known throughout the industry for accuracy, reliability and long-term performance.

- Controls fill augers, dry time and dump gates
- Records number of dumps
- Adjusts timers, temperature and operation via operator screen
- Monitors dryer operation and stops on error condition, displaying error on screen
- Optional wet bin low switch monitor



CONTINUOUS FLOW CONTROL SYSTEM Kahler Automation KA-770

- Fan(s) run continuously and grain temperature or time opens dump gates for a set dump time.
- Concurrently fills and dumps grain 24 hours a day.
- Grain sensors accurately control dumping at predetermined temperature setting.
- Sensors accurately prevent over- or under-drying based on grain temperature.
- Accurate monitoring of fill overflow, full storage, low grain and fan/heater operation.



BATCH CONTROL SYSTEM Kahler Automation KA-700DT

- Set dry time (hours) and cool time (minutes) for precise drying.
- Dryer can be stopped at any time with manual "stop" button.
- Option of setting "time only" or "time/temperature" parameters.

EZEE-DRY®

The difference is in the details.



Solid eave flashing (not perforated) forces more air through the grain, speeding the drying process and saving energy. Also makes cleaning easier and extends the life of the bin.



Dump chutes in the lower roof ensure even distribution of hot grain into the storage bin, enhancing even drying and improving grain quality. Fills and dumps use gravity—not belts or augers—to help lower maintenance costs.

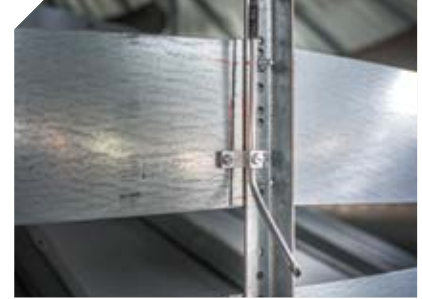
Performance-enhancing design features.



Roofs and sidewalls are manufactured of high tensile steel with G-115 galvanization, which provide up to 27% longer life than competitors who settle for G-90. This is especially important given the hot, moist environment in which the system operates.



EZEE-DRY has the **strongest roof system** in the industry, with peak load capacity of up to 6,000 lbs. (2,721 kg). "Up position" eave clips help exhaust moisture-laden air.



Grain temperature probes measure and automatically average the grain temperature in the upper chamber to control the dryer functions.



Leveling bands in the drying chamber are strategically located to work with gravity and the angle of repose of grain to create a consistent, evenly distributed layer of grain depth for optimum drying efficiency.



Fans and heaters can be mounted either at ground level or near the top of the bin.



Cooling components include aeration fan, floor supports, perforated floor and transition. Customer preference and grain depth will help determine if an axial or centrifugal fan is needed.



Built-in gooseneck vents in the upper roof vent hot moist air out of the drying chamber to improve drying times.



Strong, rugged **overhead drying floor** structure provides support for up to 2,100 bushels of grain during the drying process.



Air over hydraulic auto return provides continuous air flow, which is far superior to competitors' battery back-up pumps. Available only on continuous flow models.

MP+ ROOF SYSTEM

The strongest, highest quality roof in the business.

Available on EZEE-DRY bins from 18' (5.49 m) to 36' (10.97 m) diameter.

The MP+ Roof System offers strength and protection that are the best in the business. You get maximum grain protection, superior strength and reliability that are simply unmatched by any other non-structured roof. Why pay more for a structured roof when you can get an high-performance, industry-leading roof system for less?

Best performance specifications in the industry.

- **Highest load ratings** for wind and snow in the industry, for non-structured roofs. You get maximum strength without paying extra for a structured roof.
- **Meets IBC 2011 and ASCE 7-2010** building codes—the only bin roof system in the industry that does!
- **Steep 30° slope** sheds moisture and snow quickly and efficiently.
- **G-115 galvanization** provides 27% longer life than competitors settling for G-90.
- **ASTM A653 Grade 50 with 50K yield and 65K tensile** for the ultimate in strength and durability.
- **Corrugation in flat of roof sheets** provides an extra measure of strength.



Proprietary state-of-the-art roll former controls the distance between holes from rib-to-rib, not from the edge of the coil like competitive products. The result: Higher quality roof sheets that fit better—with bolt holes that line up every time. Bolts drop right in place. That means trouble-free, labor-saving, frustration-free installation on site.

Period.



Non-Structured Roofs	
LOADING	
Live Load	35 lbs/ft ² (1.0 kPa)
Dead Load	3 lbs/ft ² (0.14 kPa)
Wind Load	105 mph (168 kph)
CONCENTRATED PEAK LOADING	
18' to 24' (5.49 to 7.32 m)	3,000 lbs (1,361 kg)
27' to 30' (8.23 to 9.14 m)	5,000 lbs (2,268 kg)
36' (10.97 m)	6,000 lbs (2,721 kg)

Documented engineering data—not marketing fluff.

Here's the proof: MP+ Roof Systems are simply the best in the business, providing industry-leading load capacities.

The Contractor's Choice

- Fewer parts for quicker, easier construction
- Precise manufacturing for accuracy and trouble-free in-field assembly
- Bolt holes that line up every time for faster installation
- Quality, strength and industry-leading specifications provide confidence and reliability

MP+ ROOF SYSTEM

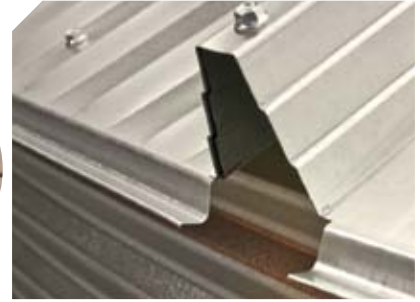
Design details that surpass industry standards—and your expectations.



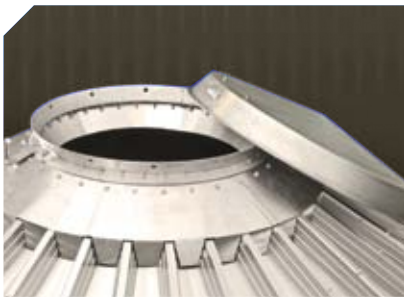
Large pre-formed manway roof opening is standard, featuring a hinged lid and big 5.5 sq. ft. (0.51 m²) opening for easy access. Easy-open lid with big beefy hinges lays flat to avoid wind. Seamless extruded collar (inset) with rubber gasket provides moisture-tight seal when closed. Pre-formed opening makes for simpler construction and tight fit.



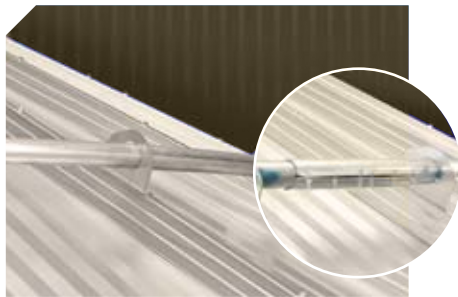
Specially designed 12-gauge eave clips connect roof sheets to sidewalls. “Up” position helps exhaust moisture-laden air—which is ideal for your EZEE-DRY system. Built-in rib stops keep out pesky birds.



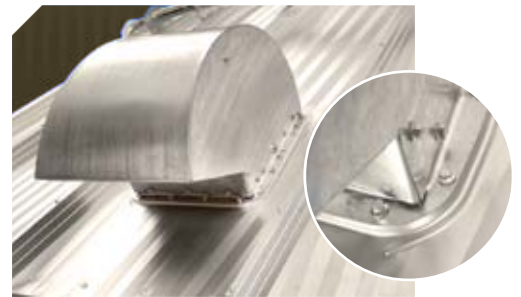
Extra-tall 3-3/4” (9.5 cm) stair-stepped ribs are staggered to provide even greater strength. Hemmed drip edge deflects moisture, eliminates sharp edges to reduce injury and strengthens the cross-section of the roof sheet.



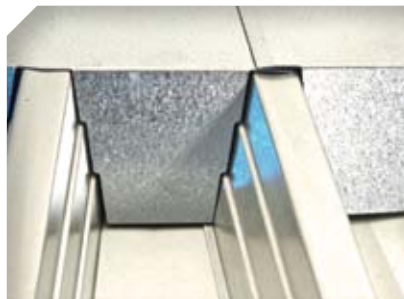
Large 36” (91.4 cm) peak opening provides easy filling and optimal access. A roof ladder from the eave to the peak—plus a roof safety ring—are standard on all models. Easy-open removable cap is standard. Heavy-duty cap for spouting is optional.



Oversized bridging ring enhances structural integrity. Splice clamps (inset) and expansion bolts ensure ring segments function as one continuous pipe.



Well-designed 2.25 sq. ft. (0.686 m²) roof vents for maximum airflow. Vent openings are pre-punched for easy construction and tight fit and seals. Vents feature seamless raised lip (inset) for improved integrity and moisture resistance.



Peak flashing is formed to the ribs to improve resistance to moisture and birds.



Safety ring is a continuous round pipe for safer, easier access to and around the roof cap.



Extra-large manway is sized for plenty of shoulder-room and easy maneuverability, even for large-framed farmers wearing cold-weather gear!

STAIRS & LADDERS



Safety and quality that are several steps above the competition.

Personal safety and easy accessibility are hallmarks of on-farm storage systems from Stormor. Thanks to our Global Industries “family” affiliation with Brownie Systems, we can offer a wide range of industry-leading stairs and ladders that are a perfect match to our on-farm grain storage bins—at a competitive price.

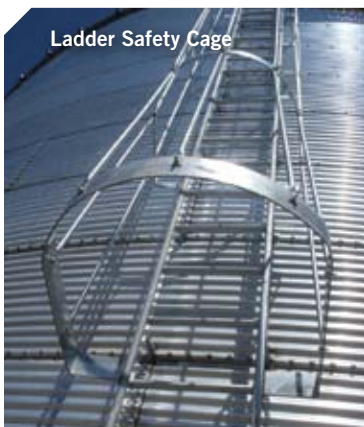
All galvanized steel construction ensures long life and lasting strength under the most demanding conditions.

Extra-wide step and toe space provide additional confidence and safety, while helping you comply with OSHA regulations.

Extruded non-slip stair helps prevent build-up of ice and water for sure footing under tough conditions and heavy loads.

Single or doublewide platforms at the top provide easy access to roof stairs and manway. Optional rest stop and working platforms below provide a safe, convenient surface when and where you need it. Four-inch (102 mm) toe-boards ensure a safer platform for everyone—above and below.

Large pipe handrails with OSHA-compliant spacings provide a sure grip as you ascend or descend. There are no rail breaks, sharp ends, corners or protruding bolts. An optional inner handrail is available for extra assurance.



Ladder Safety Cage

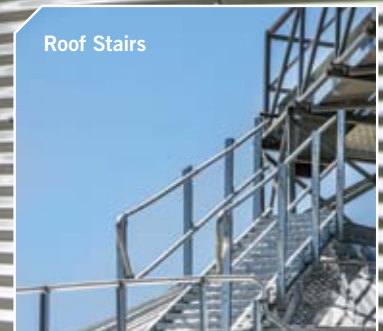
Stormor partners with Brownie Systems to bring you the best in stairs and platforms, roof ladders, in-bin ladders, handrails and other sturdy and rugged structures that improve personal safety and ease of access for your on-farm grain storage.



In-bin Emergency Ladder



Roof Handrails



Roof Stairs

The industry standard for strength, quality and long life.

Here are the details.

Why G-115 Galvanization Matters

Stormor/EZEE-DRY uses G-115 hot-dip galvanization on key components of every on-farm storage bin system.

Industry research indicates that G-115 galvanization can extend the life of the galvanized coating on the bin's surface by up to 27% over competitors who settle for G-90 galvanization.

That means the galvanization on your bin maintains its integrity longer—and that means greater service life, increased reliability, optimal grain protection and a better return on investment for you.



DOOR



Full opening door in sidewall provides full and easy access regardless of door option selected. Both 1R and 2R options available.



Outer door cover with bar lock firmly holds door cover closed, even in challenging weather conditions.

FASTENERS



Grade 8.2 bin bolts are used throughout to ensure strengths and stability. Roofs and lighter gauge sidewalls use 5/16" (0.79 cm) bolts. Heavier gauge sidewalls use 3/8" (0.95 cm) bolts.



Top-quality fasteners feature JS1000 plating system, SAE Grade 8.2 for maximum shear capacity as well as industry standard washers to seal the bolt to the sidewall.

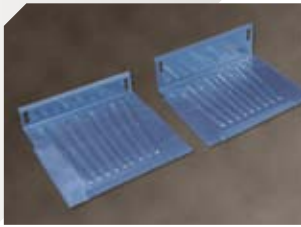
FLOORS

The Contractor's Choice

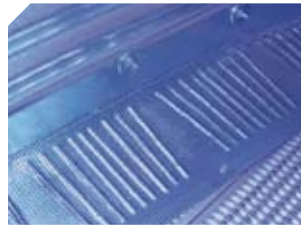
- Every floor plank is labeled for easy identification in the field
- Floor planks are precisely bundled to enable building from the stack
- On-side shipment makes parts easier to handle and reduces damage during loading/unloading
- Multiple bundles on larger systems make for easier loading and unloading
- Single piece option for larger bins can make on-site construction easier
- One-man installation of flashing possible thanks to use of nuts on the inside of the bin
- Easy-to-use construction guide simplifies the process—especially for first-time installers
- Powder-coated welded supports resist rust and enhance appearance upon delivery at job-site

FLASHING

Bin flashing is an underappreciated but critical component of bin construction. At Stormor we take great care in designing and manufacturing flashing that is strong and durable, regardless of the gauge you choose for your flooring system.



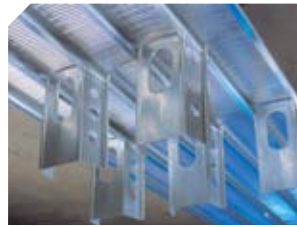
Choice of high back or low back flashing works for both new bin installation or retrofits.



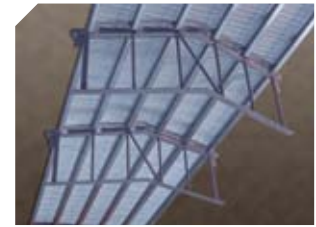
Multi-rib design adds strength and durability. Also provides traction for sweep augers.

SUPPORTS

Stormor supports are available in either galvanized or welded styles, providing a choice for customers. Supports come in multiple heights to accommodate different sizes of bin unloading systems and fan transitions for optimum performance.



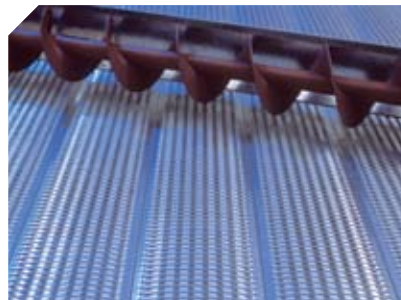
Locking tabs on galvanized supports lock into place during assembly. 17 gauge galvanization provides strength and dependability.



Powder-coated welded design resists rust and lasts longer than non-painted supports. Facilitates easy installation.



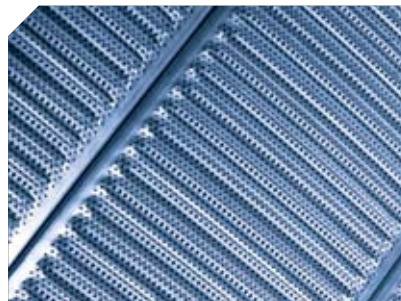
16-Gauge Floor Option is the heaviest specification available in the industry. Stormor also offers the widest variety of gauges in the industry—providing even more assurance that the construction matches the challenge.



Built-in crown on planks prevents sagging and provides additional strength. Slotted design offers strength and economy.



Built-in corrugation on planks increases strength and rigidity. Round perforation (0.093") design is smooth and easy to sweep.



Small perforation (0.050") floor planks are ideal for use in storing small grains such as canola. Smooth surface facilitates easy clean-out.

Stormor bin floors are available in a wide variety of styles to match the application, storage system and customer preference. Long-lasting galvanized construction coupled with state-of-the-art design and manufacturing makes for a bin floor that stands up to use and abuse under the most challenging conditions. Floors can be constructed in any diameter, which makes an Stormor floor available on our bins—plus any other brand of bin.

SHELLED CORN DRYING RATES

BATCH DRYING SYSTEM

Fan-Heat Unit	Temp	Initial Moisture	18' / 5.48 m diameter			21' / 6.4 m diameter			24' / 7.31 m diameter			27' / 8.23 m diameter			30' / 9.14 m diameter			36' / 10.98 m diameter			
			bu. per hour	metric ton per hour	batch time hours	bu. per hour	metric ton per hour	batch time hours	bu. per hour	metric ton per hour	batch time hours	bu. per hour	metric ton per hour	batch time hours	bu. per hour	metric ton per hour	batch time hours	bu. per hour	metric ton per hour	batch time hours	
24" (61cm) 7 1/2 HP 2 mil. BTU	120°F 49°C	20%	186	4.72	2.9	197	5.00	3.8													
		25%	94	2.39	5.7	97	2.46	7.7													
		30%	60	1.52	9.0	62	1.57	12.0													
	140°F 60°C	20%	245	6.22	2.2	250	6.35	3.0													
		25%	128	3.25	4.2	127	3.23	5.9													
		30%	79	2.01	6.8	80	2.03	9.3													
	160°F 71°C	20%	300	7.62	1.8																
		25%	158	4.01	3.4																
		30%	100	2.54	5.4																
28" (71.1cm) 10 HP 2.7 mil. BTU	120°F 49°C	20%				250	6.35	3.0	250	6.35	4.0	285	7.24	4.2							
		25%				125	3.18	6.0	125	3.18	8.0	142	3.61	8.4							
		30%				80	2.03	9.3	90	2.29	11.1	92	2.34	13.0							
	140°F 60°C	20%	300	7.62	1.8	312	7.92	2.4	344	8.74	2.9	363	9.22	3.3							
		25%	158	4.01	3.4	163	4.14	4.6	178	4.52	5.6	184	4.67	6.5							
		30%	105	2.67	5.1	105	2.67	7.1	116	2.95	8.6	117	2.97	10.2							
	160°F 71°C	20%	360	9.14	1.5	375	9.53	2.0	416	10.57	2.4										
		25%	192	4.88	2.8	197	5.00	3.8	222	5.64	4.5										
		30%	131	3.33	4.1	131	3.33	5.7	142	3.61	7.0										
38" (96.5cm) 15 HP 5 mil. BTU	120°F 49°C	20%										333	8.46	3.6	394	10.01	3.8	411	10.44	5.1	
		25%										169	4.29	7.1	194	4.93	7.7	203	5.16	10.3	
		30%										109	2.77	11.0	125	3.18	12.0	131	3.33	16.0	
	140°F 60°C	20%							416	10.57	2.4	428	10.87	2.8	500	12.70	3.0	512	13.00	4.1	
		25%							212	5.38	4.7	218	5.54	5.5	254	6.45	5.9	265	6.7	7.9	
		30%							136	3.45	7.3	139	3.53	8.6	161	4.09	9.3	169	4.29	12.4	
	160°F 71°C	20%				416	10.57	1.8	476	12.09	2.1	545	13.84	2.2	576	14.63	2.6				
		25%				234	5.94	3.2	256	6.50	3.9	279	7.09	4.3	300	7.62	5.0				
		30%				147	3.73	5.1	161	4.09	6.2	171	4.34	7.0	194	4.93	7.7				
180°F 82°C	20%							526	13.36	1.9											
	25%							285	7.24	3.5											
	30%							181	4.60	5.5											
2@38" (96.5cm) (2)15 HP 10 mil. BTU	120°F 49°C	20%																617	15.67	3.4	
		25%																350	8.89	6.0	
		30%																228	5.79	9.2	
	140°F 60°C	20%													750	19.05	2.0	807	20.50	2.6	
		25%													394	10.01	3.8	512	13.00	4.1	
		30%													254	6.45	5.9	287	7.29	7.3	
	160°F 71°C	20%										800	20.32	1.5	937	23.80	1.6	954	24.23	2.2	
		25%										428	10.87	2.8	517	13.13	2.9	636	16.15	3.3	
		30%										272	6.91	4.4	326	8.28	4.6	362	9.19	5.8	
180°F 82°C	20%										857	21.77	1.4	1071	27.20	1.4					
	25%										480	12.19	2.5	576	14.63	2.6					
	30%										307	7.80	3.9	365	9.27	4.1					
44" (111.8cm) 30 HP 6 mil. BTU	140°F 60°C	20%										600	15.24	2.0	714	18.14	2.1	724	18.39	2.9	
		25%										324	8.23	3.7	375	9.53	4.0	403	10.24	5.2	
		30%										206	5.23	5.8	242	6.15	6.2	253	6.43	8.3	
	160°F 71°C	20%										800	20.32	1.5	833	21.16	1.8	840	21.23	2.5	
		25%										428	10.87	2.8	500	12.70	3.0	567	14.40	3.7	
		30%										272	6.91	4.4	312	7.92	4.8	318	8.08	6.6	
	180°F 82°C	20%										857	21.77	1.4							
		25%										480	12.19	2.5							
		30%										307	7.80	3.9							
2@44" (111.8cm) (2)30 HP 12 mil. BTU	140°F 60°C	20%																1050	26.67	2.0	
		25%																677	17.20	3.1	
		30%																368	9.35	5.7	
	160°F 71°C	20%																	1312	33.32	1.6
		25%																	807	20.50	2.6
		30%																	477	12.12	4.4
	180°F 82°C	20%																	1400	35.56	1.5
		25%																	913	23.19	2.3
		30%																	525	13.34	4.0

- Bushel and drying rates calculated on 45°F (7.22°C) and 100% relative humidity outside air.
- Grain dried and cooled to 15% moisture with 1/5 CFM per bushel aeration.
- Aeration system recommended that delivers approximately 1/5 CFM per bushel. Additional cooling time may be required at the 20% initial moisture level due to increased drying rates.
- If you are drying to 13% moisture instead of 15% moisture, use the following chart to calculate drying time: 20% initial moisture/add 20% to time, 25% initial moisture/add 10% to time, 30% initial moisture/add 5% to time.
- Drying charts are for shelled corn. Consult your authorized MFS/Stormor dealer for information or other grains.

CONTINUOUS FLOW DRYING SYSTEM

Fan-Heat Unit	Temp	Initial Moisture	21' / 6.4 m diameter		24' / 7.31 m diameter		27' / 8.23 m diameter		30' / 9.14 m diameter		36' / 10.98 m diameter	
			bu. per hour	metric ton per hour	bu. per hour	metric ton per hour	bu. per hour	metric ton per hour	bu. per hour	metric ton per hour	bu. per hour	metric ton per hour
28" (71.1cm) 10 HP 2.7 mil. BTU	140°F 60°C	20%			378	9.60						
		25%			194	4.93						
		30%			127	3.23						
	160°F 71°C	20%			468	11.89						
		25%			242	6.15						
		30%			156	3.96						
38" (96.5cm) 15 HP 5 mil. BTU	140°F 60°C	20%	394	10.01	450	11.43	480	12.19	537	13.64		
		25%	232	5.89	232	5.89	247	6.27	273	6.93		
		30%	145	3.68	150	3.81	157	3.99	176	4.47		
	160°F 71°C	20%	449	11.40	552	14.02	612	15.54	648	16.46		
		25%	253	6.43	283	7.19	314	7.98	332	8.43		
		30%	159	4.04	178	4.52	196	4.98	213	5.41		
	180°F 82°C	20%	512	13.00	648	46.46						
		25%	275	6.99	335	8.51						
		30%	175	4.45	216	5.49						
2@38" (96.5cm) (2)15 HP 10 mil. BTU	140°F 60°C	20%					718	18.24	840	21.34	923	23.44
		25%					368	9.35	431	10.95	474	12.04
		30%					236	5.99	279	7.09	301	7.65
	160°F 71°C	20%			810	20.57	960	24.38	1104	28.04	1176	29.87
		25%			414	10.52	489	12.42	562	14.27	603	15.32
		30%			259	6.58	311	7.90	358	9.09	376	9.55
	180°F 82°C	20%			876	22.25	1050	26.67	1224	31.09		
		25%			448	11.38	534	13.56	624	15.85		
		30%			292	7.42	342	8.69	404	10.26		
44" 111.8cm 30 HP 6 mil. BTU	140°F 60°C	20%						780	19.81	839	21.31	
		25%						400	10.16	432	10.97	
		30%						259	6.58	274	6.69	
	160°F 71°C	20%							1026	26.06	1070	27.18
		25%							522	13.26	549	13.94
		30%							330	8.38	342	8.69
	180°F 82°C	20%							1138	28.91		
		25%							580	14.73		
		30%							370	9.40		
2@44" (111.8cm) (2)30 HP 12 mil. BTU	140°F 60°C	20%										
		25%										
		30%										
	160°F 71°C	20%									1801	45.75
		25%									920	23.37
		30%									575	14.61
	180°F 82°C	20%									1947	49.45
		25%									996	25.30
		30%									649	16.48
3@38" (96.5cm) (3)15 HP 15 mil. BTU	140°F 60°C	20%									1209	30.71
		25%									619	15.72
		30%									397	10.08
	160°F 71°C	20%									1617	41.07
		25%									823	20.90
		30%									524	13.31
	180°F 82°C	20%							1432	36.37	1781	45.25
		25%							730	18.54	907	23.04
		30%							470	11.94	584	14.83
4@38" (96.5cm) (4)15 HP 20 mil. BTU	140°F 60°C	20%										
		25%										
		30%										
	160°F 71°C	20%									1843	46.81
		25%									942	23.93
		30%									582	14.78
	180°F 82°C	20%									2003	50.88
		25%									1019	25.88
		30%									664	16.86



1. Bushel and drying rates calculated on 45°F (7.22°C) and 100% relative humidity outside air.
2. Grain dried and cooled to 15% moisture with 1/5 CFM per bushel aeration.
3. Aeration system recommended that delivers approximately 1/5 CFM per bushel. Additional cooling time may be required at the 20% initial moisture level due to increased drying rates.

4. If you are drying to 13% moisture instead of 15% moisture, use the following chart to calculate drying time: 20% initial moisture/add 20% to time, 25% initial moisture/add 10% to time, 30% initial moisture/add 5% to time.
5. Drying charts are for shelled corn. Consult your authorized MFS/Stormor dealer for information or other grains.

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