

“X” Series Exhauster Walk Around

Models:
FOR 90–105 FT DIAMETER BINS

Assembly Instructions

PNEG-1979

Date: 09-02-14

G S I G R O U P



PNEG-1979

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NOTES

1 Safety Precautions

Topics Covered in this Chapter

- Safety Guidelines
- Cautionary Symbols
- Safety Decals
- Safety Sign-off Sheet

Safety Guidelines

Safety guidelines are general-to-specific safety rules that must be respected at all times in the grain storage environment.

Our foremost concern is your safety and the safety of others associated with grain handling equipment. This manual is to help you understand safe operating procedures and some problems that can be encountered by the operator and other personnel.

As owner and/or operator, you are responsible to know what requirements, hazards, and precautions exist and inform all personnel associated with the equipment or in the area. Avoid any alterations to the equipment. It can produce a very dangerous situation, where **SERIOUS INJURY** or **DEATH** can occur.

This equipment shall be installed in accordance with the current installation codes and applicable regulations, which should be carefully followed in all cases. Authorities having jurisdiction must be consulted before installations are made.

You should consider the location of the bin site relative to power line locations or electrical transmission equipment. Contact your local power company to review your installation plan or for information concerning required equipment clearance. Clearance of portable equipment that can be taken to the bin site must also be reviewed and considered. Any electrical control equipment in contact with the bin must be properly grounded and installed in accordance with National Electric Code provisions and all local codes.

This product is intended for the use of grain storage only. Any other use is a misuse of the product.



This product has sharp edges, which may cause serious injury. To avoid injury, handle sharp edges with caution and always use proper protective clothing and equipment.

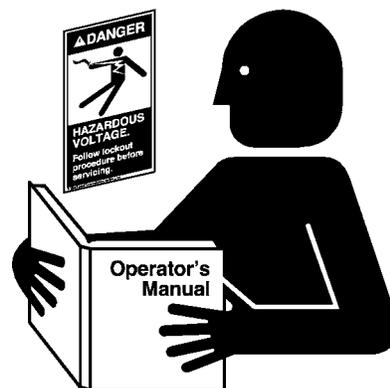
Sidewall bundles or sheets must be stored in a safe manner. The safest method of storing sidewall bundles is laying horizontally with the arch of the sheet upward, like a dome. Sidewall sheets stored on edge must be secured so that they cannot fall over and cause injury. Use care when handling and moving sidewall bundles.

Personnel operating or working around equipment must read this manual. This manual must be delivered with equipment to its owner. Failure to read this manual and its safety instructions is a misuse of the equipment.

Chapter 1: Safety Precautions

Follow Safety Instructions — Read and Understand Manual

- Carefully read all safety messages in this manual and safety signs on your machine. Keep signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from the manufacturer.
- Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.
- Keep your machinery in proper working condition. Unauthorized modifications to the machine can impair the function and/or safety and affect machine life.
- If you do not understand any part of this manual or need assistance, contact your dealer.



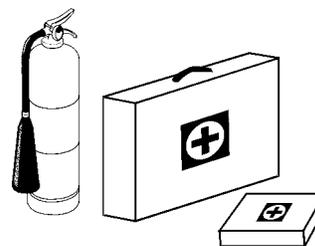
Practice Safe Maintenance — Maintain Equipment and Work Area

- Understand service procedures before doing work. Keep area clean and dry.
- Never lubricate, service, or adjust machine while it is in operation. Keep hands, feet, and clothing away from rotating parts.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any built-up grease, oil, and debris.



Prepare for Emergencies — Keep Emergency Equipment Accessible

- Be prepared if fire starts.
- Keep a first aid kit and fire extinguisher handy.
- Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



Wear Protective Clothing

- Wear close-fitting clothing and safety equipment appropriate to the job.
- Remove all jewelry
- Tie long hair up and back.
- Wear safety glasses at all times to protect eyes from debris.

Eye Protection



<ul style="list-style-type: none"> Wear gloves to protect your hands from sharp edges on plastic or steel parts. 	Gloves	
<ul style="list-style-type: none"> Wear steel-toed boots to help protect your feet from falling debris. Tuck in any loose or dangling shoestrings. 	Steel-Toed Boots	
<ul style="list-style-type: none"> A respirator may be needed to prevent breathing potentially toxic fumes and dust. 	Respirator	
<ul style="list-style-type: none"> Wear a hard hat to help protect your head. 	Hard Hat	
<ul style="list-style-type: none"> Wear appropriate fall protection equipment when working at elevations greater than 6 ft (1.8 m). 	Fall Protection	

Cautionary Symbols

Cautionary symbols appear in the various decals of your product, and alerts the user of potential or imminent risk of danger.

This manual contains information that is important for you, the owner/operator, to know and understand. This information relates to protecting **personal safety** and **preventing equipment problems**.

It is the responsibility of the owner/operator to inform anyone operating or working in the area of this equipment of these safety guidelines. To help you recognize this information, we use the symbols that are defined below. Please read the manual and pay attention to these sections. Failure to read this manual and its safety instructions is a misuse of the equipment and may lead to serious injury or death.



Make sure to familiarize yourself with these symbols prior to installing, operating, or servicing your grain equipment. Failure to do so may lead to serious injury or death.

Table 1-1 Description of the different cautionary symbols

Symbol	Description
	This symbol indicates an imminently hazardous situation which, if not avoided, will result in serious injury or death .
	This symbol indicates a potentially hazardous situation which, if not avoided, may result in serious injury or death .

Chapter 1: Safety Precautions

Table 1-1 Description of the different cautionary symbols (cont'd.)

Symbol	Description
	This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
	This symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Safety Decals

The safety decals on your grain equipment are safety indicators which must be carefully read and understood by all personnel involved in the installation, operation, service, and maintenance of the grain equipment.

The manufacturer does not warrant any roof damage caused by excessive vacuum or internal pressure from fans or other air moving systems. Adequate ventilation and/or “makeup air” devices should be provided for all powered air handling systems. The manufacturer does not recommend the use of downward flow systems (suction). Severe roof damage can result from any blockage of air passages. Running fans during high humidity and cold weather conditions can cause air exhaust or intake ports to freeze.



ATTENTION: Decal shown below must be present on the outside of the door cover of the two ring, 24 in. (61 cm) porthole door cover and the roof manway cover. If a decal has been damaged or is missing in any of these locations, contact the manufacturer for a free replacement decal.

GSI Decals

1004 E. Illinois Street
Assumption, IL 62510
Phone: 1-217-226-4421



! DANGER

Rotating flighting will kill or dismember.

Flowing material will trap and suffocate.

Crusted material will collapse and suffocate.

**Keep clear of all augers.
DO NOT ENTER this bin!**

If you must enter the bin:

- 1. Shut off and lock out all power.**
- 2. Use a safety harness and safety line.**
- 3. Station another person outside the bin.**
- 4. Avoid the center of the bin.**
- 5. Wear proper breathing equipment or respirator.**

Failure to heed these warnings will result in serious injury or death.

GSI GROUP, INC. 217-226-4421 DC-GBC-1A

Chapter 1: Safety Precautions

ATTENTION: Decal shown below must be present on the outside of the door cover of the two ring, 24 in. (61 cm) porthole door cover and the roof manway cover. If a decal has been damaged or is missing in any of these locations, contact the manufacturer for a free replacement decal.

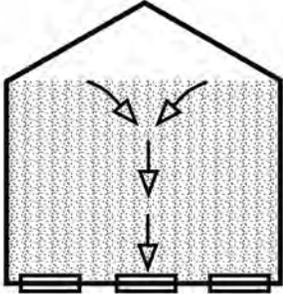
GSI Decals

1004 E. Illinois Street
Assumption, IL 62510
Phone: 1-217-226-4421



WARNING





UNLOADING INSTRUCTIONS:

1. Use **CENTER FLOOR OUTLET ONLY** until **NO** grain remains above this outlet.
2. Side floor outlets to be used **ONLY** when above condition is satisfied.
3. Lock all side floor outlets to avoid accidental premature use.
4. See manufacturers instructions for proper use of factory supplied sidedraw (wall) discharge systems.

**Failure to heed these warnings
could result in serious injury, death,
structural damage or collapse of tank.**

GSI GROUP, INC. 217-226-4421DC-GBC-2A

NOTES

2 Exhaust Walk Around

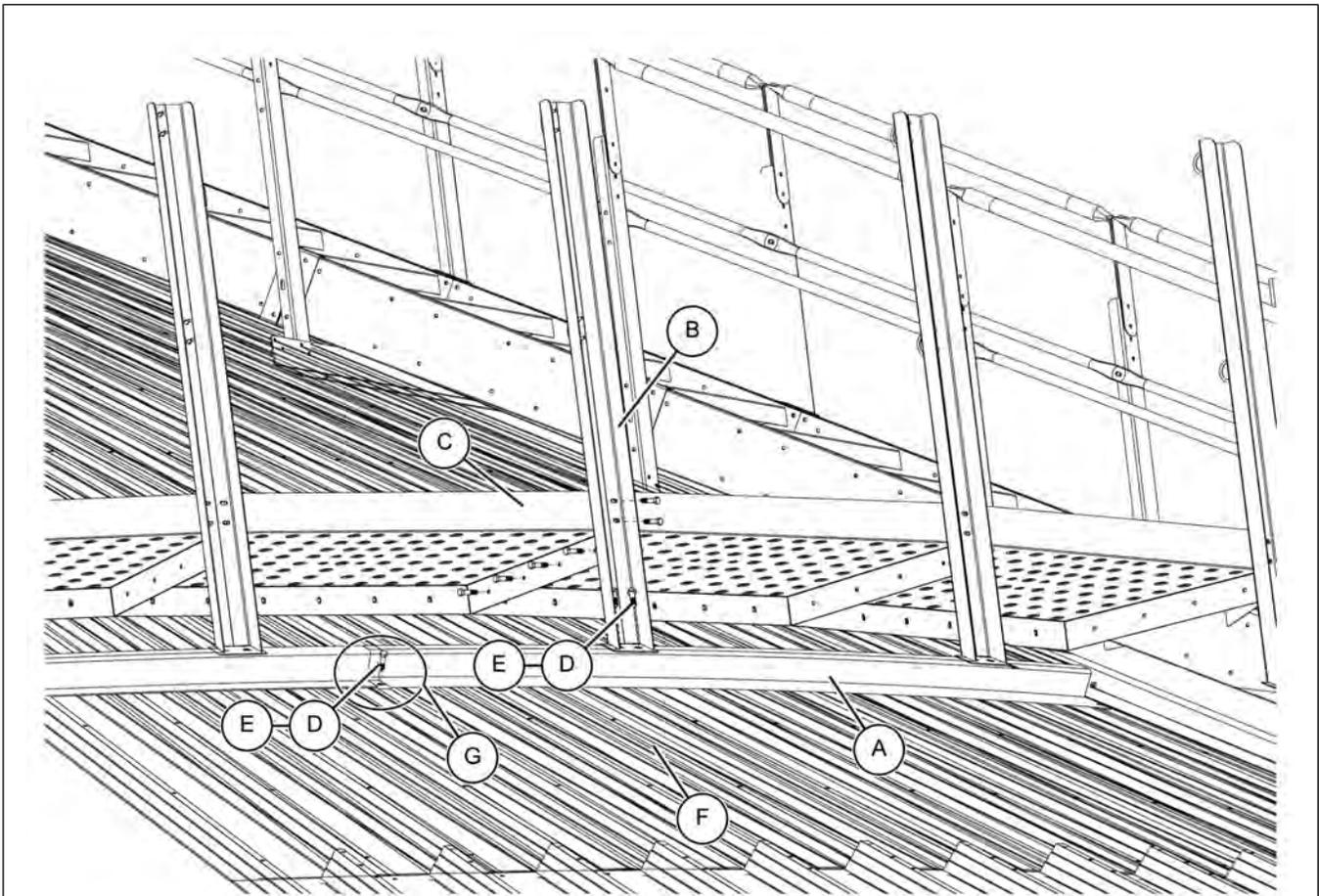
Topics Covered in this Chapter

- Exhaust Walk Around Installation

Exhaust Walk Around Installation

1. Field drill holes in the roof panel (G) and install the walk around Z-collar (A) on the roof panels (F) with the bolts (D) and nuts (E).
2. Install the exhaust walk around post (B) on the walk around Z-collar (A) with the bolts (D) and nuts (E).
3. Install the exhaust walk around plate (C) with the peak platform inner plank on the exhaust walk around post (B) with the bolts (D) and nuts (E).
4. Continue the same procedure to install the complete exhaust walk around.

Figure 2-1 Exhaust Walk Around Installation

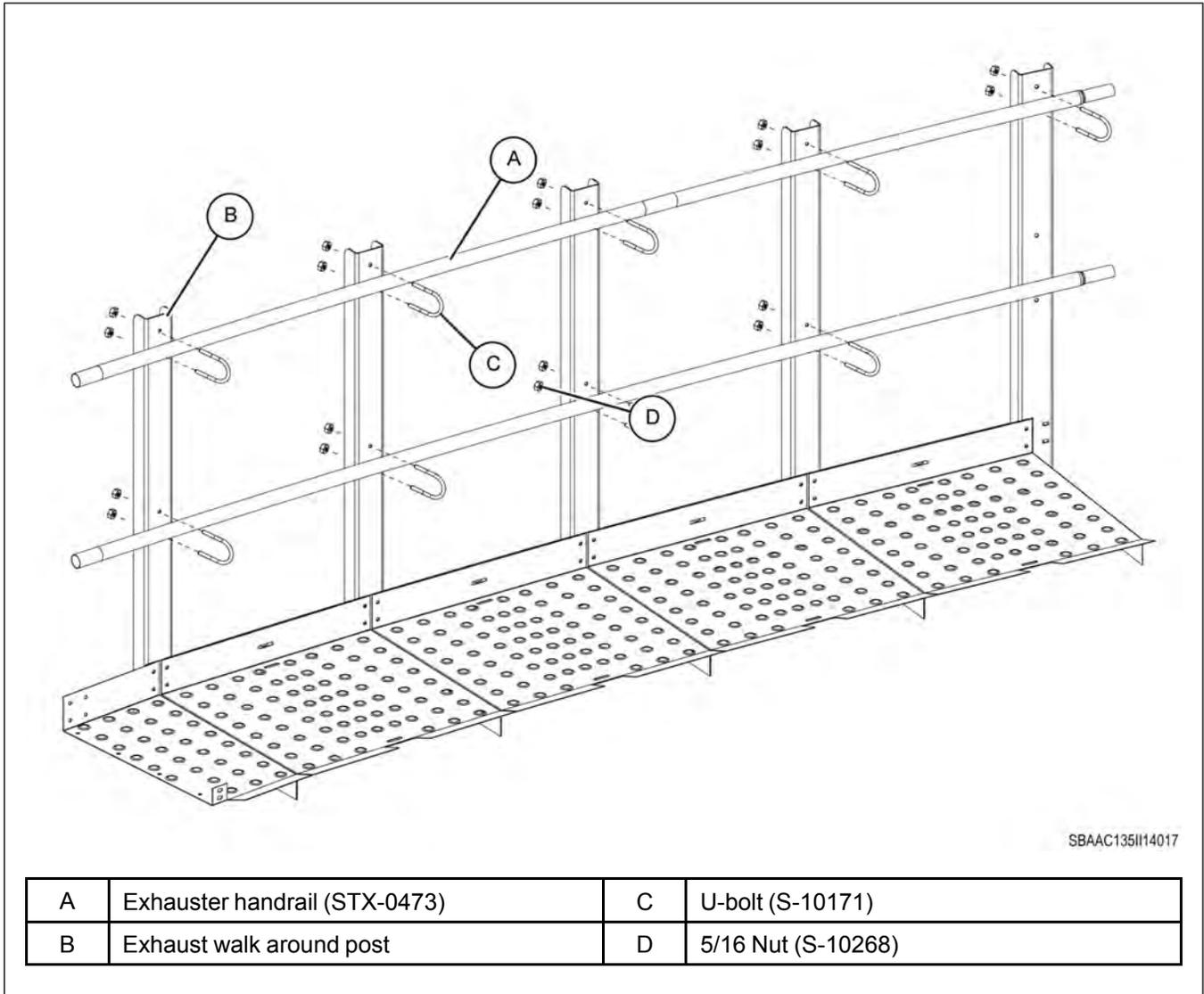


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A	Walk around Z-collar (STX-0465)	E	3/8-16 Nut (S-9426)
B	Exhaust walk around post (STX-0405)	F	Roof panel
C	Exhaust walk around plate (STX-0466 and STX-0467)	G	Field drill holes on the roof panel
D	3/8-16 x 1 in. flange bolt (S-7485)		

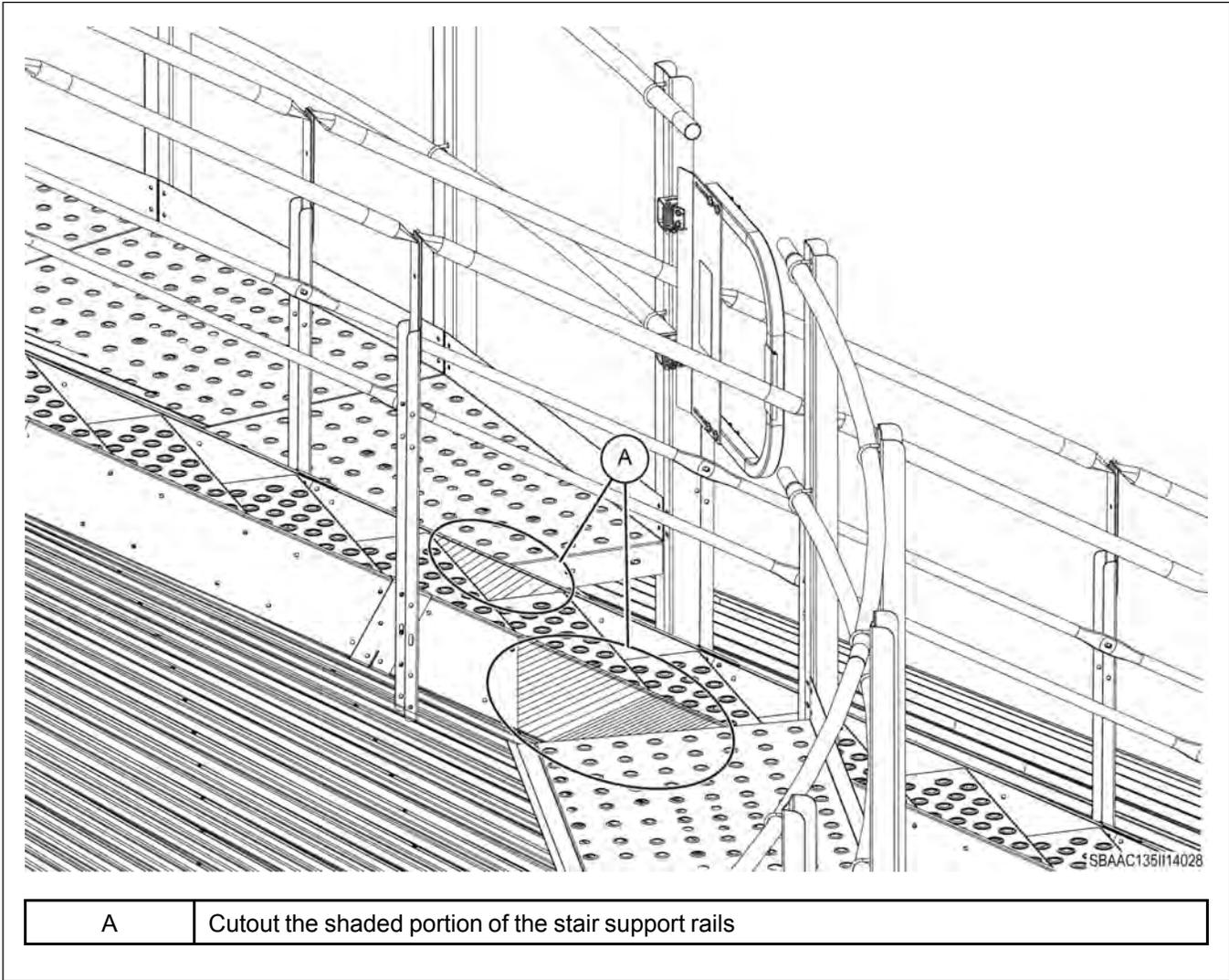
5. Install the upper handrail (A) to the upper two holes of the exhaust walk around posts (B) with the U-bolts (C) and nuts (D).
6. Install the lower handrail (A) to the lower two holes of the exhaust walk around posts (B) with the U-bolts (C) and nuts (D).

Figure 2-2 Handrail Installation



7. Make sure to cut out the stair support rail on both the sides at the place where the exhaust walk around is installed.

Figure 2-3 Stair Support Rails Cutout



GSI Group, LLC Limited Warranty

The GSI Group, LLC (“GSI”) warrants products which it manufactures to be free of defects in materials and workmanship under normal usage and conditions for a period of 12 months after sale to the original end-user or if a foreign sale, 14 months from arrival at port of discharge, whichever is earlier. The end-user’s sole remedy (and GSI’s only obligation) is to repair or replace, at GSI’s option and expense, products that in GSI’s judgment, contain a material defect in materials or workmanship. Expenses incurred by or on behalf of the end-user without prior written authorization from the GSI Warranty Group shall be the sole responsibility of the end-user.

Warranty Extensions: The Limited Warranty period is extended for the following products:

	Product	Warranty Period
AP Fans and Flooring	Performer Series Direct Drive Fan Motor	3 Years
	All Fiberglass Housings	Lifetime
	All Fiberglass Propellers	Lifetime
AP/Cumberland	Flex-Flo/Pan Feeding System Motors	2 Years
Cumberland Feeding/Watering Systems	Feeder System Pan Assemblies	5 Years **
	Feed Tubes (1-3/4" and 2.00")	10 Years *
	Centerless Augers	10 Years *
	Watering Nipples	10 Years *
Grain Systems	Grain Bin Structural Design	5 Years
Grain Systems Farm Fans Zimmerman	Portable and Tower Dryers	2 Years
	Portable and Tower Dryer Frames and Internal Infrastructure †	5 Years

* Warranty prorated from list price:
 0 to 3 years - no cost to end-user
 3 to 5 years - end-user pays 25%
 5 to 7 years - end-user pays 50%
 7 to 10 years - end-user pays 75%

** Warranty prorated from list price:
 0 to 3 years - no cost to end-user
 3 to 5 years - end-user pays 50%

† Motors, burner components and moving parts not included.
 Portable dryer screens included.
 Tower dryer screens not included.

GSI further warrants that the portable and tower dryer frame and basket, excluding all auger and auger drive components, shall be free from defects in materials for a period of time beginning on the twelfth (12th) month from the date of purchase and continuing until the sixtieth (60th) month from the date of purchase (extended warranty period). During the extended warranty period, GSI will replace the frame or basket components that prove to be defective under normal conditions of use without charge, excluding the labor, transportation, and/or shipping costs incurred in the performance of this extended warranty.

Conditions and Limitations:

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION SET FORTH ABOVE. SPECIFICALLY, GSI MAKES NO FURTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IN CONNECTION WITH: (I) PRODUCT MANUFACTURED OR SOLD BY GSI OR (II) ANY ADVICE, INSTRUCTION, RECOMMENDATION OR SUGGESTION PROVIDED BY AN AGENT, REPRESENTATIVE OR EMPLOYEE OF GSI REGARDING OR RELATED TO THE CONFIGURATION, INSTALLATION, LAYOUT, SUITABILITY FOR A PARTICULAR PURPOSE, OR DESIGN OF SUCH PRODUCTS.

GSI shall not be liable for any direct, indirect, incidental or consequential damages, including, without limitation, loss of anticipated profits or benefits. The sole and exclusive remedy is set forth in the Limited Warranty, which shall not exceed the amount paid for the product purchased. This warranty is not transferable and applies only to the original end-user. GSI shall have no obligation or responsibility for any representations or warranties made by or on behalf of any dealer, agent or distributor.

GSI assumes no responsibility for claims resulting from construction defects or unauthorized modifications to products which it manufactured. Modifications to products not specifically delineated in the manual accompanying the equipment at initial sale will void the Limited Warranty.

This Limited Warranty shall not extend to products or parts which have been damaged by negligent use, misuse, alteration, accident or which have been improperly/inadequately maintained. This Limited Warranty extends solely to products manufactured by GSI.

Prior to installation, the end-user has the responsibility to comply with federal, state and local codes which apply to the location and installation of products manufactured or sold by GSI.

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This equipment shall be installed in accordance with the current installation codes and applicable regulations which should be carefully followed in all cases. Authorities having jurisdiction should be consulted before installations are made.

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