

GK MACHINE, INC

COMBINING TECHNOLOGY AND TRADITION SINCE 1976

GREENHOUSE STRUCTURES AND SUPPLIES



Terms and Payment

CUSTOMERS

Customers who have established credit with GK Machine Inc. will receive 30 days net terms. Invoices are due 30 days from the invoice date and will be charged a late payment charge of 1-1/2% interest per month.

NEW ACCOUNTS

To establish credit, please call and request a Credit Application. Please give satisfactory trade references and please allow up to two weeks to verify references. If purchases must be made and credit is not established a payment will be required either pre-pay or cash upon pickup. There are no COD deliveries allowed. GK Machine Inc. gladly accepts Visa or Master Card for purchases done at time of placing order, Visa or Master Card can be used in lieu of COD.

RETURNS

Authorization required before returns will be accepted. All products returned must be accompanied with the invoice and returned in original condition, unless product has not performed within written warranties. Products that have been manufactured by GK Machine Inc are covered by GK Machine's warranty conditions. Goods must be returned within 30 days of purchase in order to receive credit. Products that have been special ordered, that are not a stock item, may not be returned unless prior arrangements have been made. All returns will be assessed a 25% Restocking Fee unless otherwise authorized.

LIMITED WARRANTY

This warranty contains the entire agreement between the parties with respect to the products and goods subject hereto, which product have been assembled from goods supplied to seller by other manufacturers and dealers. Seller makes no representations or warranties expressed or implied relative to the products and goods sold by seller. Buyer assumes all risk and liability resulting from the use of the product and goods. Seller makes no warranty that they are fit for any particular purpose or that they will endure for any particular length of time.

FREIGHT CLAIMS

Claims for lost or damaged materials must be made with the transportation company involved with your shipment. Charges may not be deducted from our invoice, nor may payment of invoice be withheld awaiting adjustments of such claims.

CAUSES BEYOND SELLER'S CONTROL

Shall not be liable for failure to deliver or delays by causes beyond seller's control including without imitation strikes, lock-out, fire, inability to obtain materials or shipping space, break-downs, delays of carriers or suppliers and governmental acts and regulations.

We Ship UPS Everyday
We Accept Visa
or Master Card

DIRECTIONS TO OUR FACILITY

We are located 2.3 miles west Of I-5. take Exit 278 on I-5 head west on Ehlen Rd for 1.7 miles to Butteville Rd. turn left on Butteville Rd drive .6 miles to four way stop. Turn right and our shop is on the left.

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Member Of



Oregon
Association Of
Nurseries

Member Of



American Nursery &
Landscape Association



GK Series 5000 Greenhouse System

Frame Specifications

20' - 24' - 30' Wide
 4' - 5' - 6' spacing
 Standard 5' sidewall
 3—Purlin run
 2— Corner windbrace kit (48' or under)
 4—Corner windbrace kit (50' or longer)
 Available with the standard clamp system
 or purlin strap system (call for pricing)

Material Specifications:

Manufactured exclusively from:
 Allied Gatorshield Mechanical Tubing

Bows: 1.90 x .072
Posts: 2.197 x .109
Purlins: 1.315 x .065
Windbraces: 1.315 x .065
Top gable: 2.197 x .109

All bows, posts, purlins, windbraces are
 prepunched & indexed for fast & easy assembly!
 Instruction manual, parts checklist & all
 hardware included with every greenhouse kit
 All bends are made hydraulically with our
 Robotic Bending System ensuring uniformity
 throughout formed components.

Poly film sizes:	20' W	24'W	30'W
Ground to ground:	36' poly	42' poly	50' poly
Actual length:	34'-7"	40'-4"	46'-6"
Upper board to upper board:	28' poly	32' poly	40' poly
Actual length:	26'	30'-6"	36'-8"

Options:

- Custom engineered endwall kits.
- Open roof ventilation system.
- Roll up side kits.
- Truss system for medium hanging baskets.
- Custom support bracing for mechanical equipment.

Codes and sizes are for frame only, see Page 8, 9 and 10 for other options.

30' Std. clamp system 5' sidewall

Code	30 ft wide
GH2835	48 X 6' O/C
GH2837	45 X 5' O/C
GH2836	95 X 5' O/C
GH2834	96 X 6' O/C

24' Std. clamp system 5' sidewall

Code	24 ft wide
GH2829	48 X 6' O/C
GH2831	45 X 5' O/C
GH2830	95 X 5' O/C
GH2828	96 X 6' O/C

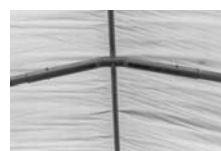


20' Std. clamp system 5' sidewall

Code	20 ft wide
GH2787	48 X 6' O/C
GH2789	45 X 5' O/C
GH2788	95 X 5' O/C
GH2786	96 X 6' O/C

- Efficient air movement & ventilation
- Fits watering boom spray height requirements

20' w: 14" 4'
 24' w: 156"
 30' w: 180"



Strong gable bow connector



GK Series 2000 Greenhouse System

2000 Series Custom Endwalls

Frame Specifications:

20' wide
 4' - 5' - 6' spacing
 Standard 4' sidewall
 8'-6" center height
 1-Purlin run (top center)
 2 - Corner windbrace kit (48' or under)
 4-Corner windbrace kit (50' or longer)
 Available with the standard clamp system
 or purlin strap system (call for pricing)

Material Specifications

Manufactured exclusively from:
 Allied Gatorshield Mechanical Tubing

Bows: 1.66 x .072
Posts: 1.90 x .072
Purlins: 1.315 x .065
Windbraces: 1.315 x .065

All bows, posts, purlins, windbraces are prepunched & indexed for fast & easy assembly! Instruction manual, parts checklist & all hardware included with every greenhouse kit All bends are made hydraulically with our Robotic Bending System ensuring uniformity throughout formed components

POLY FILM SIZES:	Poly Size:	Actual Length:
20' Ground to ground:	36' Poly	31'4"
20' Upper board to upper board:	28' Poly	24'4"

Options:

- Custom engineered endwall kits
- Rollup sidewall kits
- Custom support bracing for mechanical equipment

• Codes and sizes are for frame only see Page 9 and 10 for other options

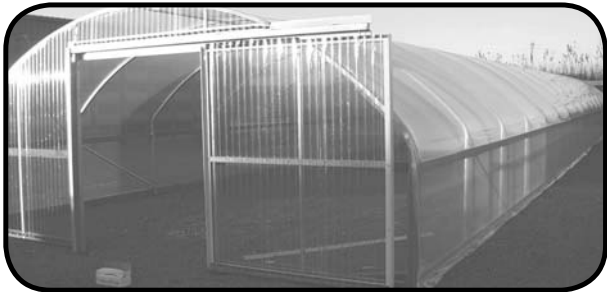
20 Ft standard clamp system 4 ft sidewall

Code	Size
GH2432	20' X 48 X 6' O/C
GH2434	20' X 45 X 5' O/C
GH2433	20' X 95 X 5' O/C
GH2431	20' X 96 X 6' O/C

- Custom lengths available

Sidewall post lengths (1 ft increments only)

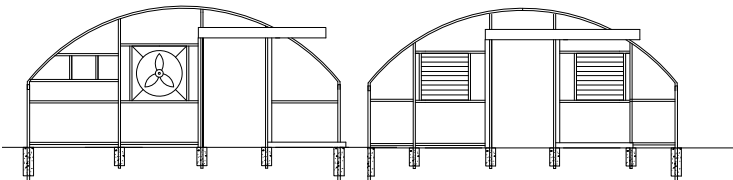
5 Ft sidewall (7 ft overall)
 6 Ft sidewall (8 ft overall)



Series 2000 available in 20' width only



- A standard for the Northwest!
- Contains heat & humidity extremely well for cuttings
- Fast & easy setup with its simple frame design



GK Series 850 Greenhouse System

All bows, posts, purlins, windbraces are prepunched & indexed for fast & easy assembly! Instruction manual, parts check list & all hardware included with every greenhouse kit All bends are made hydraulically with our Robotic Bending System ensuring uniformity throughout formed components

This Building was designed for the following:
Building Code: UBC 97 And The Oregon Structural Specialty Code, 1998 / Wind Load: 80 MPH, Exposure "B" / Snow Load: 20 PSF

Frame Specifications:

- "Truss Alignment Jig" provided
- 30 ft wide
- 5 ft or 6 ft spacing
- Standard 8' sidewall(custom lengths available)
- 3—Purlin run
- 4—Corner windbrace kit
- Clamp systems all 12 gauge
- Stock lengths are 96 foot(6 ft O/C) and 95 foot (5 ft O/C)

Options:

- Custom engineered endwall kits
- Open roof ventilation systems
- Rollup sidewall kits
- Custom support bracing for mechanical equipment

Material Specifications:

Manufactured exclusively from:
Allied Gatorshield Mechanical Tubing

Bows: 1.90 x .072

Posts: 2.375x .095

Purlins: 1.315 x .065

Windbraces: 1.315 x .065

Cord on endwalls: 1.90 X .072

Cord on inside: 1.315 X .065

Struts: 1.315 X .065

Poly film sizes:

Upper board to upper board: 40 Ft

- Designed with "The Hanging Basket Grower" in mind
- Efficient air movement & ventilation
- Fits wateringboom spray height requirements

15' height

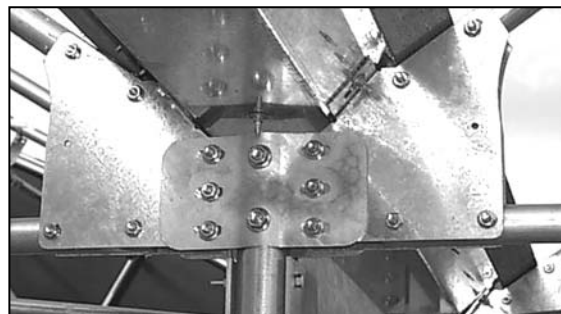


GK Gutter Connect Greenhouses

GK Gutter-Connect Greenhouses:

- Standard 30' or 33' wide
- Custom widths , lengths and spacing (6' O/C standard)
- 12 Gauge purlin strap system
- Available with open-roof ventilation & roll-up sidewalls.
- "W" truss system: 1.90
- Strong 3/16 steel galvanized elbows & "Y" socket connectors for easy assembly.
- 8' and 10' standard sidewall heights available (Sidewall height can be custom ordered to meet your exact needs).
- 14 ga. galvanized gutters pre-punched for fast assembly
- One of the fastest assembled trusses in the industry, with a "Truss Alignment System" provided.

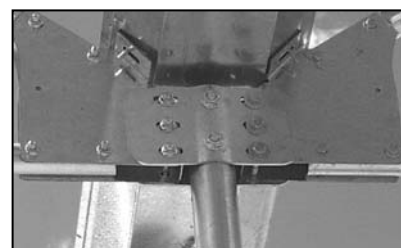
Sold as agricultural and coded series
25 PSF snow load / 80 MPH Exp. C
Soil bearing pressure equals 1,000 PSF



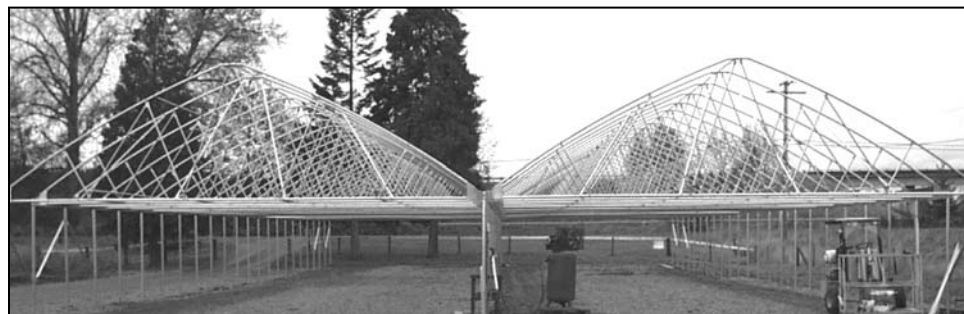
11 Ga. galvanized truss bracket



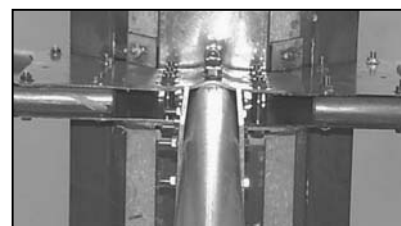
Series 650



Post bracket 3/16" galvanized



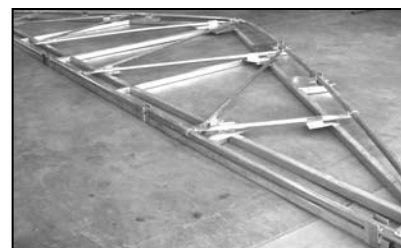
Two Bay 30 foot wide Series 9000



Pre- Punched Gutter System



Two Bay 33 foot wide Series 9000



Truss alignment system

Greenhouse Doors



Door systems are available from 4' x 7' to 10' x 10'.

Components complete for all assembly

- Door frame and round trolleys
- Top header and trolley trucks
- Side flushings and door stop pocket
- Continuous door guide
- Polycarbonate, door skins, and all hardware

Shutter soffets (pictured above) are available for off-set mounting of shutters; shutters in operation open out. This prevents shutter damage caused by sliding doors.

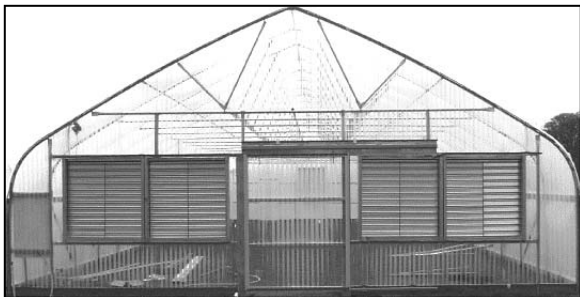


2000 Series Sliding Door System



GK Greenhouse Options

These engineered endwalls are our standard kits. However, we welcome you to give us your specifications so that we may design an endwall package tailored to your needs.



Endwall for hard covering or poly with slide door system:
Door system includes: 14 ga top header rack track, trolleys, door frame, door guide, door jam channel and all hardware.



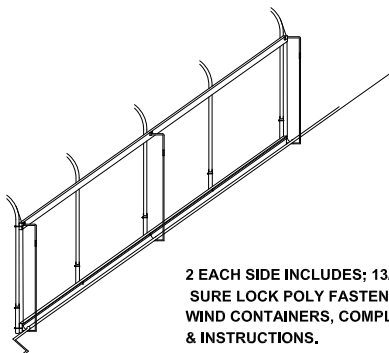
- Sliding door system available for all series of greenhouses



Roll-Up side kit
Kit includes crank, rollup bar, brackets, surelock for the top section and all hardware. Call for quotes on existing structures and for lengths under or over 96 ft.

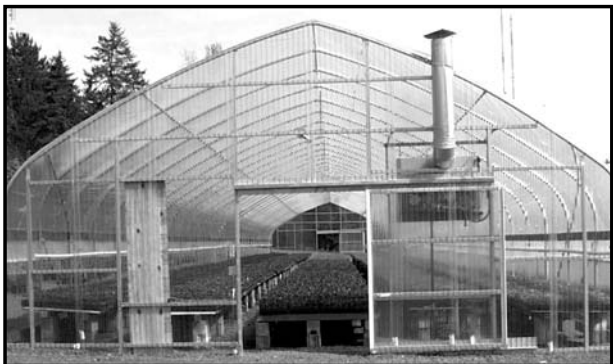
This works great in conjunction with our open roof ventilation system.

MANUAL ROLL UP SIDE KITS

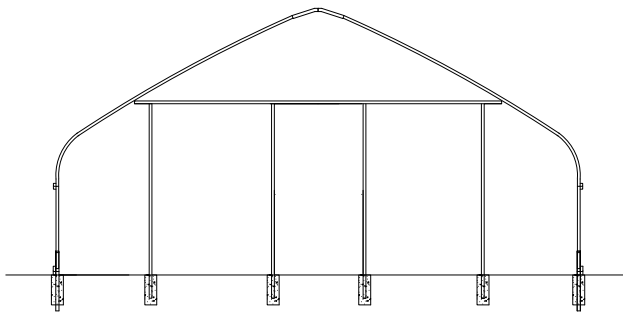


2 EACH SIDE INCLUDES; 1 3/8 ROLL BAR, SURE LOCK POLY FASTENERS 1 - HANDLE WIND CONTAINERS, COMPLETE HARDWARE & INSTRUCTIONS.

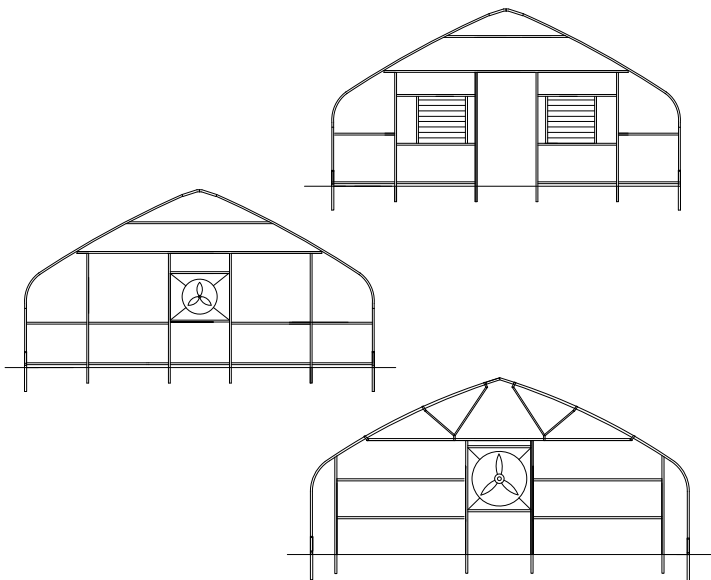
5000 Series Custom Endwalls



5000-Series standard endwall kit
(1) Truss with (4) Drop legs(adjustable)all hardware included. 20 ft wide code # GH2889 / 24 ft wide code #GH2890 / 30 ft wide code # GH2909



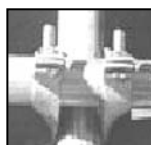
OTHER ENDWALL OPTIONS



GK Greenhouse Clamps and Fasteners

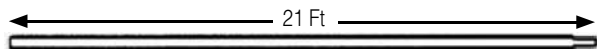
GK Strap Clamp - This is an easy to use clamp system, made of 12 gauge galvanized steel it has two bolts to secure it, easy to install yet strong and stable. Ask about using this system on your next greenhouse quote from GK Machine, Inc.

Code	Size
GH10A00	1-3/8" X 1-3/8"
GH10A02	1-7/8" X 1-3/8"
GH10A01	1-5/8" X 1-3/8"
GH10A03	2-3/8" X 1-3/8"



GK Purlin Code 1922X

Swedged Purlin 1-5/16 X .065 X 21 ft long



Standard Clamps

Heavy duty 2 hole
zinc plated steel
12 gauge

Size	Code	Price
1" Hvy duty 2-hole zinc	MCMA177	\$.95
1" Light 2 hole zinc	MCMA177L	\$.17
1-1/4" 2 Hole HD-270	MCMA209	\$.75
2" 2-Hole HD-280	MCMA204	\$1.78

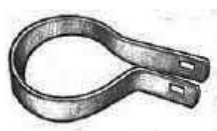
(Price for clamps only, hardware extra)



Tension Bands

Size	Code	Price
1-3/8"	FENC102	\$.40
1-5/8"	FENC101	\$.39
1-7/8"	FENC100	\$.40

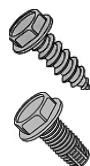
(Price for clamps only, hardware extra)



Brace Bands

Size	Code	Price
1-3/8"	FENC102BB	\$.43
1-5/8"	FENC101BB	\$.39
1-7/8"	FENC100BB	\$.47
2-3/8"	FENC99BB	\$.52

(Price for clamps only, hardware extra)



Wood Screws

Self tapping hex 12 X 1-1/4"

Code # B12-1.25HEXST - \$.06 each

Self tapping hex 12 X 3/4"

Code # B12-0.75HEXST - \$.16 each



Fasteners

Metal Tek

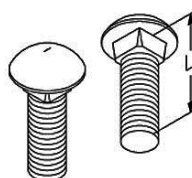
Self drilling tek 12 X 3/4" - \$.08 each

Code # B12-0.75TEKSD - \$.08 each



Serrated flanged nut 5/16"

Code # SFN.31 - \$.05 each



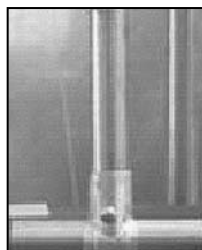
Carriage Bolt

Size	Code	Price
5/16" X 1-1/4"	BC0.31-1.25	\$.08
5/16" X 2-3/4"	BC0.31-2.75	\$.13
5/16" X 3"	BC0.31-3.00	\$.20
5/16" X 3"-1/2"	BC0.31-3.50	\$.09
5/16" X 4-1/2"	BC0.31-4.50	\$.17



BOW POCKETS

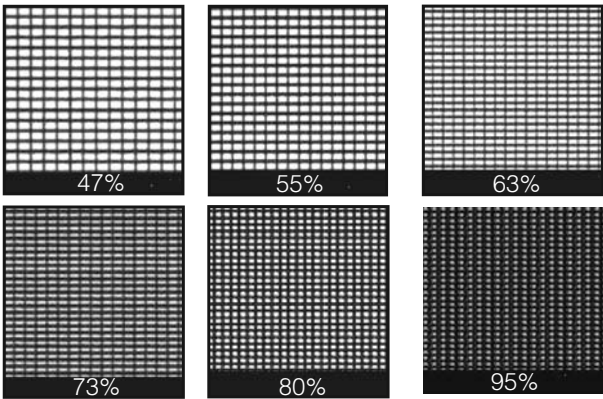
Size	Code	Price
1-3/8"	GE-PS-38B	\$3.10
1-7/8"	GATE200	\$6.55



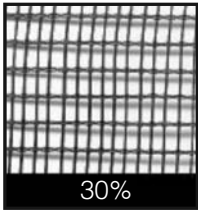
Tee Clamps

Size	Code	Price
1-3/8"	FENC-GB138	\$1.44
1-5/8"	FENC-GB158	\$1.52
1-7/8"	FENC-GB178	\$2.32

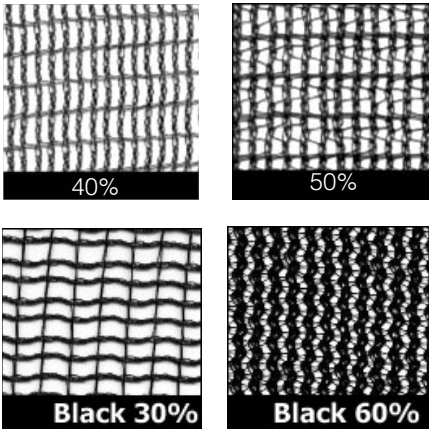
GK Shade Cloth



30% Leno Lock Shade Fabric
It is lighter in weight than a knitted fabric of the same shade percentage. The construction of the Leno shade produces a fabric that lies flatter.



Knitted Shade Cloth
Knitted polypropylene fabric, resists tearing and puncturing, Available in 10' & 12' widths

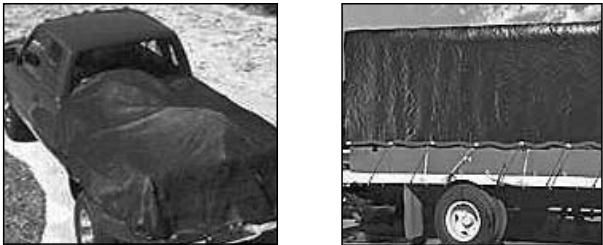


Taping-Needed for cut ends and if using grommets.

Slitting-For exact widths.

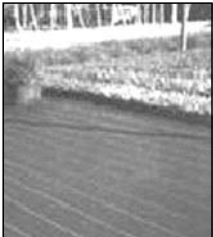


TRUCK TARPS
Allows air circulation while protecting plants. Custom sizes available in 80% and 95% varieties.



Ground Cover Fabric 3.2 OZ.
Ground cover fabric 3.2 oz is the economical, lighter weight ground cover for use in greenhouses and outdoor areas. It is also a woven black polypropylene with guide stripes every 12". It is UV stabilized for up to 7 years and is permeable to air and water

Code	Size	Net Wt.
GHG062	3'X300'	21
GHG061	4'X300'	28
GHG060	6'X300'	44
GHG050	10'X300'	68
GHG055	12'X300'	84
GHG057	15'X300'	105



Ground cover staples (GHGSTAPLE11)
11GAx6" 1000/Box

White ground cover fabric available special order.





Although Klerks is recognized as the leader in long life additive film technology, did you know that they also pioneered many advances for the nursery film user as well? Klerks was the first company to use tri-layer technology for one year and overwinter films. They start with top quality resins that produce great tensile strength, but they don't just stop there. They offer a variety of choices for overwinter film users. Film is available in 6 mil at 55% opacity. Widths from 4' up to 60' are available.

K50 - Clear or White (55%)

- Strong EVA copolymer resin for excellent durability
- Tri-layer extrusion
- HALS UV Stabilized
- Anti-dust additive that repels dirt and dust
- Available in Clear or White* (55% opacity)

** SPECIAL ORDER*

IR-AC (Infrared Anti-Condensate)

- 30% Energy Savings - special IR additive absorbs and re-radiates infrared heat back down to the crop during evening hours, saving up to 30% on heating bills
- No water dripping - Grower proven, longest lasting anti-condensate in industry
- Improved growth - High light diffusion means fuller, more uniform plant growth. PAR light transmission is 87% through a single layer of IR-AC
- Strong EVA copolymer resin for excellent durability
- Tri-layer extrusion
- Hals UV System

KoolLite380 (SPECIAL ORDER)

Klerk's films with high light diffusion properties break the direct angle of light by scattering the light particles throughout the greenhouse. Crops receive more even light exposure, with less heat load on the plant's canopy. High direct light creates shadows as shown in the top picture. High diffusion eliminates shadows as shown in the bottom picture.

Call for pricing and sizes available of films listed

CODE	4 YEAR FILM	NET WT
GH3052	6 Mil 20X100	60
GH3053	6 Mil 24X100	72
GH3084	6 Mil 24X150	108
GH3054	6 Mil 28X100	84

CODE	4 YEAR FILM	NET WT
GH3085	6 Mil 28X150	126
GH3055	6 Mil 32X100	96
GH3086	6 Mil 32X150	143
GH3056	6 Mil 36X100	108

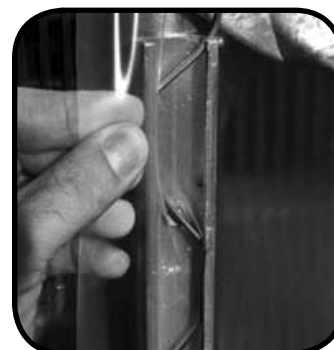
CODE	4 YEAR FILM	NET WT
GH3087	6 Mil 36X150	161
GH3057	6 Mil 40X100	120
GH3088	6 Mil 40X150	179
GH3058	6 Mil 42X100	125

CODE	4 YEAR FILM	NET WT.
GH3089	6 Mil 42X150	188
GH3059	6 Mil 48X100	143
GH3090	6 Mil 48X150	216
GH3060	6 Mil 50X100	149
GH3061	6 Mil 50X150	225

Greenhouse Films and GK Surelock Poly Fastener and Greenhouse Film

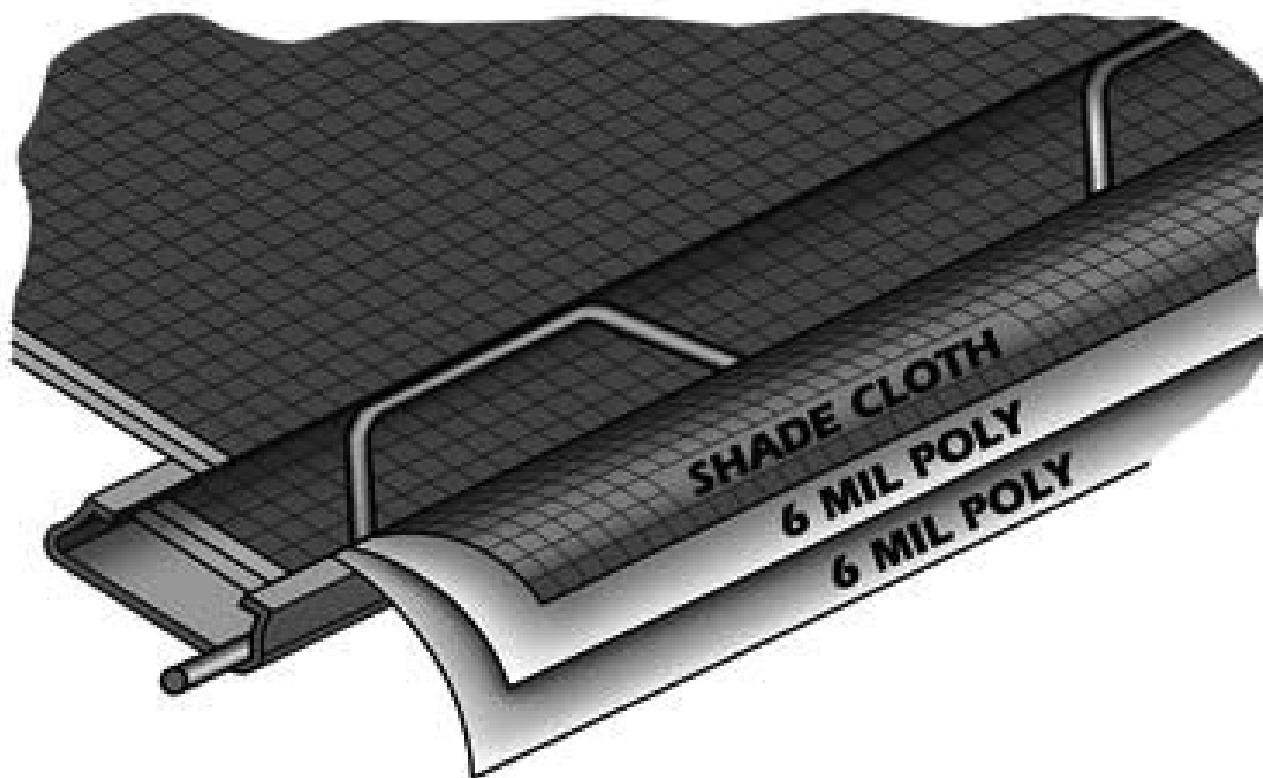
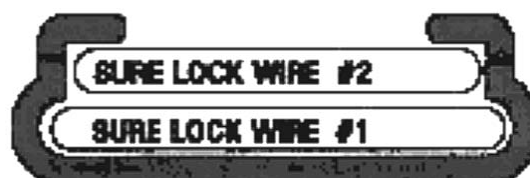
Are you sure your lock will hold?

GK Machine's 12 ft aluminum double extruded base and our rigid stainless steel 6 ft springs will.



Surelock Poly Fastener

It is capable of securing greenhouse plastic, shade cloth, screening and many other flexible materials. Installs easily over bows, around equipment...virtually anywhere! Stainless steel wire (will not corrode): available in 6' lengths aluminum double extruded base: Available in 12' lengths material thickness can range from 2-mil to 10-mil.



Double extrusion allows you to easily install 2-wires for four layered application

12 foot aluminum double extruded base WIGGLEB12
6 foot stainless steel wire WIGGLEW6

Base and wire also sold separately, Tek screws available see page 10 for sizes and pricing.

L. B. White GreenGro™ Greenhouse Heaters

Code	Model
GHLB120P	GreenGro 120 Plus LP
GHLB120PN	GreenGro 120 Plus NG
GHLB220P	GreenGro 220 Plus LP
GHLB220PN	GreenGro 220 Plus NG
GHLB23778	Thermostat kit 2 stage nema 4X

The GreenGro's advanced, clean burning design offers 20% better fuel efficiency than traditional vented heaters

The GreenGro's patent-pending design combines advanced performance and superior fuel efficiency to reduce energy costs and grow profits. Unlike conventional vented heaters that exhaust 20% of heated air straight out the stack, the GreenGro converts 99+ % of its fuel into clean heat energy. So you get more heated air into the house per fuel dollar.

Whether you are comparing thermal conversion or seasonal (year-round) efficiency, the GreenGro out performs even the most advanced competitive products for a lot less money.

	GreenGro™	Gravity Vent	Power Vent
Thermal Efficiency	99%	80%	80%
Seasonal Efficiency	92%	65%	78%

Indoor or Outdoor Installation

The GreenGro is the only greenhouse heater that offers you the choice of inside or outside installation.

- Easy to install outdoor mounting kit saves growing space



Superior Heat Management

Offered in both 220,000 and 120,000 BTU/H propane or natural gas models, all GreenGro Plus heaters include:

- Dependable, fuel efficient spark ignition
- Quick response on-demand heat
- Powerful long reaching blower fan
- Easy integration with building controls

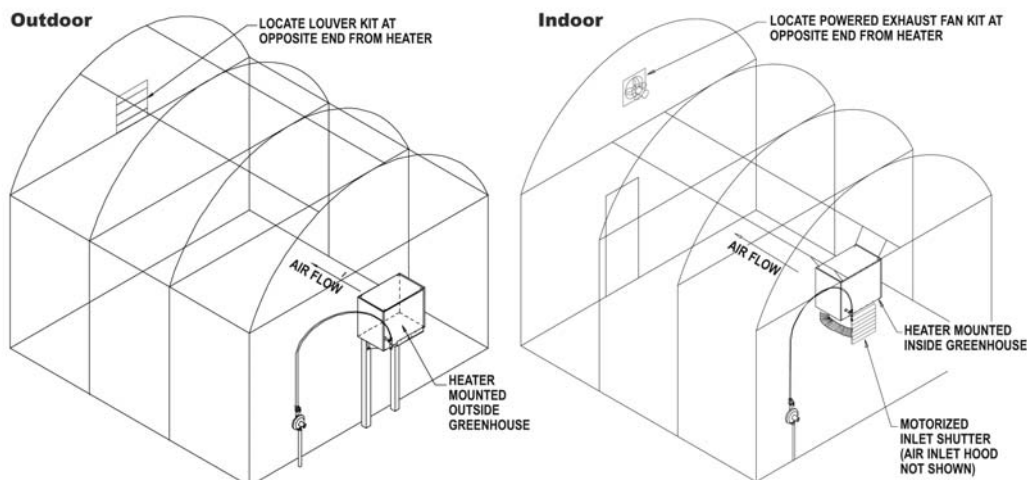
GreenGro Plus models offer several additional features for even greater fuel and heat management efficiency, including:

- Two stage temperature control
- Heating and air circulation modes
- Tri-Shield triple coated protection

CO2 Enriched Environment

The GreenGro not only saves you money on heating costs; it also delivers all the benefits of a highly efficient CO₂ generator, providing 1250 ppm concentration in only 15 minutes of full output. All delivered through an advanced, clean burning design that outperforms all U.S. greenhouse combustion and safety standards for CO, NO₂, CO₂ and ethylene.

Proper Installation of Ventilation Kits



L. B. White GreenGro™ Greenhouse Heaters

Ventilation Requirements

All heaters require ventilation for proper operation. The L.B. White GreenGro is no different. The GreenGro requires 2.5 CFM per 1000 Btu/h of air exchange. For a GreenGro 220, this translates to 550 CFM of air exchange for an indoor installation, and 220 square inches of exit area for an outside mount. Similarly, a GreenGro 120 requires 300 CFM per indoor mount, and 120 square inches of exit area per outdoor mount.

To make installation easy, L.B. White offers several preassembled ventilation equipment packages. The following ventilation is required for maximum performance.

Minimum Air Exchange Requirements:

	GreenGro 120 or GreenGro 120 Plus	GreenGro 220 or GreenGro 220 Plus
Indoor Installation (cu. ft per min)	300 CFM	550 CFM
Outdoor Installation (sq. inches of exit area)	120 in ²	220 in ²



Outdoor Kit: (Includes exhaust shutter outdoor mount kit)

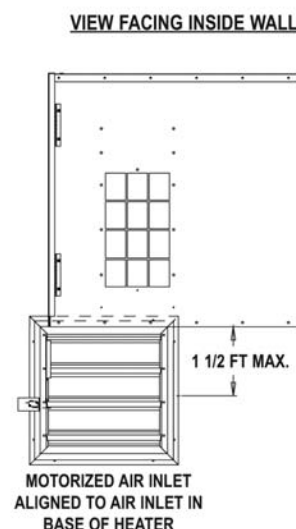
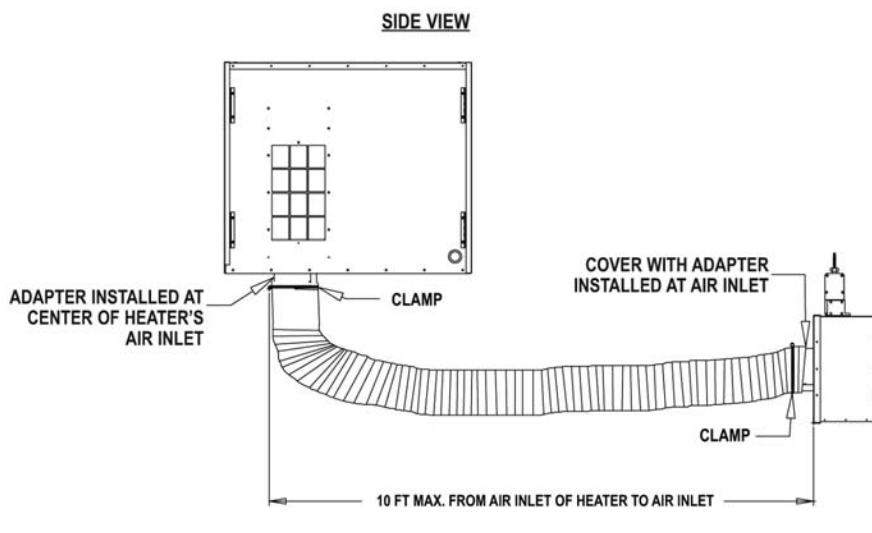
Code	Heater
GH24690	GreenGro 120
GH24688	GreenGro 220

With the GreenGro, fully enclosed electronic controls, gas valve and motor are standard. There's no expensive heat exchanger to fix or replace. Safety features include a totally enclosed flame, built-in temperature protection and air flow safety devices. With heat treated, corrosion resistant components and a heavy gauge steel cabinet. GreenGro heaters offer a comprehensive one-year product warranty plus a 10-year warranty against heat chamber and case corrosion.

GreenGro™ Greenhouse Heater Specifications	GreenGro™ 120 Plus	GreenGro™ 220 Plus
BTU/H Rating (input / output):		
Maximum	120,000	220,000
Intermediate	65,000	120,000
Heater Configuration:		
Direct Spark Ignition	Yes	Yes
Centrifugal Blower Fan	Yes	Yes
Air Movement (CFM)	1,100	1,750
Heat / Air Circulation Switch:	Yes	Yes
Fuel Consumption:		
Liquid Propane Gas (lbs./hr.)		
Maximum / Intermediate	6.8 / 3.0	10.2/5.6
Natural Gas (cu. ft./hr.)		
Maximum / Intermediate	117.0 / 63.0	215.0/ 117.0
Power Requirements		
(Volts / Hz/ Phase):	115 / 60 / 1	220 / 60 / 1
Starting/ Continuous Amps	11.8/4.5	10.5 / 3.5
Combustion Air Requirements:		
Indoor Installation	300	550
Outdoor Installation	120	220
Combustion Performance U.S. Standards For Heater Discharge		
CO (ppm rise)	5.0	1.5
NO ₂ (ppm rise)	.05	0.4
CO ₂ (ppm)	4,000	3,000
Ethylene(ppm)	0.015	0.005
Air Temperature Rise (Fahrenheit):	110	120
Minimum Clearance (ft.):		
Top / Sides / Back	1 / 1 / 1	1 / 1 / 1
Blower Outlet	6	6
Dimensions (in.):		
Length/Width/Height	30.8x18.3x28.3	36.0x22.0x30.0
Net Weight (lbs.):	116	150
Steel Case Material: GreenGro™ Plus	Both exclusive Tri-Shieldcoating*	

* Tri-shield coating consists of 3 unique protective layers including a non-corrosive hot-dipped galvanized steel, oven-cured epoxy primer and baked, thermosetting polyester.

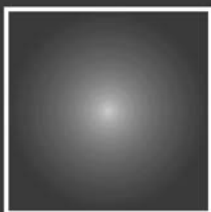
Indoor Mount with Air Inlet Transition Kit



Lexan* Soft Lite Corrugated Sheet



Direct Light
1% Diffusion



Soft Lite
100 % Diffused Light

100%

Light Diffusion -
Reduces Plant Stress

85%

PAR Light Transmission -
Encourages High Yield

• Perfect for Greenhouse
Applications

• Carport and Patio
Coverings



The Science of Light



Lexan* Soft Lite sheet is a 100% diffused corrugated panel utilizing advanced polymer technology to scatter light while maintaining an 85% level of light transmission. This diffusion feature is an excellent candidate for greenhouse applications where plants benefit from high levels of light for growth, but need protection from harsh intense sunlight. The 100% scattering of the light encompasses both top and bottom leaves resulting in faster uniform growth, virtual elimination of shadows, and delivers more usable energy to the plant.

Benefits of Lexan* Soft Lite

- Light diffusion prevents burning of plants
- Light scattering helps to eliminate shadows and get light deep into the canopy encouraging plant uniformity
- High light transmission produces high yield
- UV protection maintains light transmission and physical properties while protecting the product from the sun's harmful rays
- Dripguard coating allows condensation to spread into a thin sheet, rather than form into droplets which can spread disease

Lexan* Soft Lite Additional Features:

- Excellent impact resistance protection from the elements
- A ten year warranty

Configuration : Greca
Standard Widths: 50 and 74 inches
Standard Length: up to 48'
Dripguard Coating: LC100DG - WH9D464X

Typical Property Values

Property	ASTM Test Method	Units (USCS)	Value
Physical			
Specific Gravity	ASTM D792A	--	1.2
Weight**	—	lb/sf	0.25
Light Transmission	ASTM D1003	%	84
PAR Light Transmission	ISO 9050	%	85
Haze (Diffusion)	ASTM D100	%	100
Corrugated Height	—	mm	76
Corrugated Pitch	—	mm	16
Mechanical			
Tensile Strength	ASTM D638	psi	9,500
Flexural Strength	ASTM D790	psi	13,5
Flexural Modules	ASTM D790	psi	340,000
Dynatup Impact Strength, (1/2 in Diameter Dart - Gauge Dependent)**	ASTM D3763	ft-lbs	15
Gardner Impact Strength (Gauge Dependent)**		in-lbs	>240
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75x10
Solar Heat Gain			0.8
Compliance			
Flamability Burn Class			CC1

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GE LEXAN® Corrugated Polycarbonate Sheet

Lexan Corrugated sheet, an extruded polycarbonate sheet, is an economical, long-term option for plant protection that is excellent for use as a greenhouse covering. Lexan corrugated sheet has smooth surfaces on both sides with one that is UV-protected. It is available with factory-applied condensate control to help prevent plant diseases caused by dripping condensation.

Lexan Corrugated sheet is the product of choice for cost-effective, high light-transmitting, long-lasting glazing applications.

Lexan Corrugated sheet is inexpensive and easy to install with simple woodworking tools. Light-weight and tough, it can be cold-formed to gentle curves or rolled up for easy handling.

Made from Lexan polycarbonate resin -a high-performance GE engineering thermoplastic - Lexan corrugated sheet offers the clarity of glass, transmitting up to 90% of visible light while filtering out harmful ultraviolet light. Its proprietary integral UV resistance is backed by a 10-year limited warranty* against yellowing and loss of light transmission. Its durability and high impact resistance reduce risk of breakage before, during, and after installation.

* Details Available Upon Request

• High Impact Strength

With 20 times the impact resistance of fiberglass and over 40 times the impact resistance of glass or acrylic) Lexan corrugated sheet resists hail, wind, and vandalism.

• Thermally Insulating

Corrugated sheet can help save energy because of its thermal insulating capability compared to fiberglass.

• Chemically Stable

Although Lexan corrugated sheet is unharmed by many chemical substances, it is important to avoid contact with adhesives, paints or solvents which are incompatible with polycarbonate.

• Light Weight

LEXAN corrugated sheet reduces labor costs because its light weight simplifies handling, transportation, and installation - particularly of long spans in high places. Lexan corrugated sheet is only 1/4 the weight of glass on a square-foot basis.

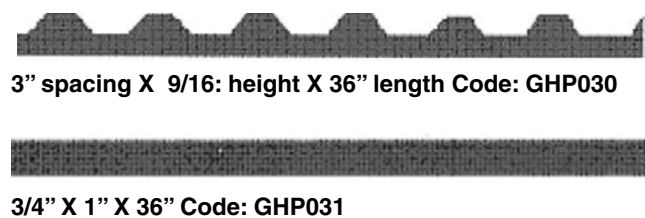
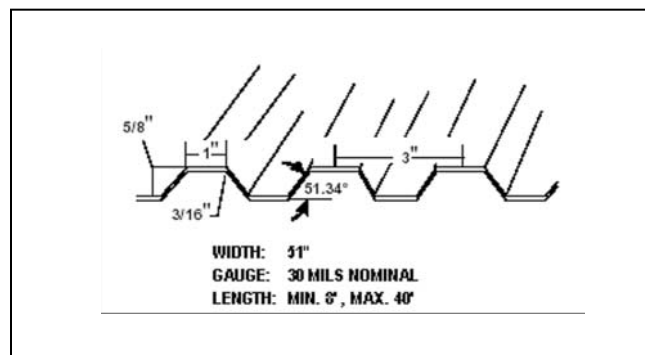
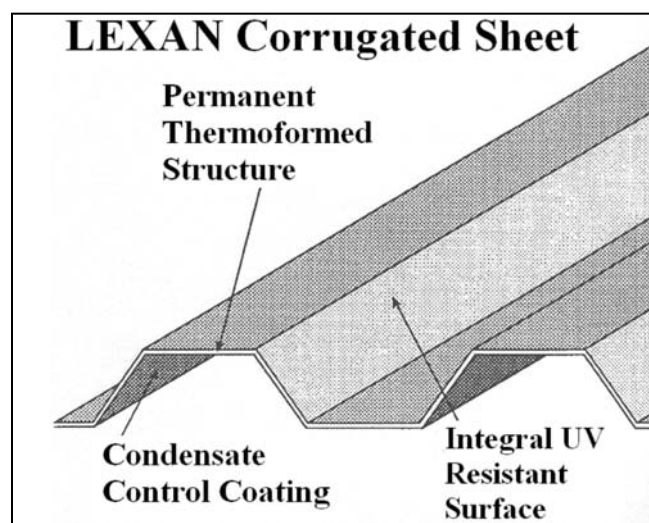
Lexan is a registered trademark of General Electric

Code	Size	Weight LBS	
GHP011	50"X 8 Ft	8.85	74"WIDTH AVAILABLE
GHP012	50"X10 Ft	11.05	
GHP013	50"X12 Ft	13.25	
GHP014	50"X14 Ft	15.5	
GHP015	50"X16 Ft		

AVAILABLE IN OPAL & BRONZE - SPECIAL ORDER

Fasteners

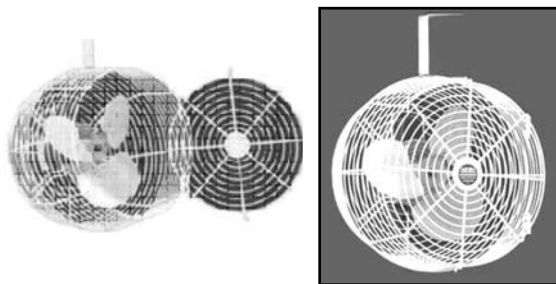
Code	Description
B12-14-1.00GALV	Type "S" galvanized screw with rubber washer 14x1.00 / 5/16" head (for wood)
B12-14-1.25GALV	Galvanized tek screw self-drill with rubber washer 12x14x1.25 5/16" head (for metal)
B12-2	5/16" magnetic nut drive starter for greenhouse kits



J&D Fans and Shutters, Gas Fired Heaters



Green Breeze



FEATURES

- Only fan on the market with an **"Exclusive open front feature"**.
- Its unique design helps cut its cleaning and maintenance by 75%
- Special design guards allow more air flow through the fan than other guards
- No hot or cold spots throughout the building
- Energy efficient, totally enclosed ball bearing motors
- Complete distribution of air in every direction
- Reduces humidity /eliminates condensation
- Remove dust build up in just a minute.
- Maximizes heat distribution
- Epoxy coated front and rear guard (Two year warranty on motor)

Code	Description
GH542	12" Green Breeze (2600 CFM)
GH541	20" Green Breeze (6000 CFM)

Model	Size	CFM	HP	Volts	Amps	Variable
GH542	12"	2600	1/10	115 / 230.	9/.45	Yes
GH541	20"	6000	1/3	115 / 230	3.2/1.6	Yes

Dayton Gas Heaters

- Feature totally enclosed motors.
- Durable welded 20 gauge heat exchangers with over 80% thermal efficiency
- Efficiency and aluminized burners with adjustable air shutters
- Dayton heaters install easily with a minimum of maintenance
- Natural gas or LP gas all Special Order.



Code	Natural Gas Heater
GH52145	30,000 BTU (3E402)
GH52148	75,000 BTU (3E227)
GH521491	100,000 BTU (3E228)

Code	LP Gas Heater
GH52145LP	30,000 BTU (3E403)
GH52148LP	75,000 BTU (3E240)
GH52149LP	100,000 BTU (3E241)

**Other size of heaters available.
Call 503-678-5525 for more details.**

Sunne
Thermostats
Code# - GH522



Thermostat

Tolerates moist conditions, high humidity and airborne contaminants for heating or cooling.

Inflation fan - when installed the fan will inflate double layer of greenhouse film to give better heating economy. Bracket sold separately and jumper hoses available to inflate poly covered endwalls.



Optional Shutter Motors

Code	Size
GH526	Single Panel
GH525	Double Panel



Shutter Motor

Mounting Bracket Hardware-Code # GROWBB
3 Ft Jumper Hoses -Code # GH5603

Fans and Shutters

Slantwall cone fans- The discharge cone will increase fans performance and efficiency. The 1" dia. corrosion resistant fan shaft has self aligning, pre-lubricated pillow block ball bearings. Units include housing, intake shutter, discharge cone, outlet screen, belt tensioner, fan and motor.

Code	Slantwall Cone Fans
GH529C	36" Cone Fan (5TR71)
GH528C	48" Cone Fan (5TR70)



Sunne
Thermostats
Code# - GH522

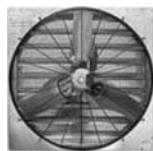


Thermostat

Tolerates moist conditions, high humidity and airborne contaminants for heating or cooling.

Shutter mounted exhaust fan - efficient easy to install w/ automatic shutters. Heavy duty guards w/gray metallic vinyl polyester coating to resist corrosion. Enclosed ball bearing motors.

Code	Size
GH5214	20"
GH5215	24"
GH5216	30"



Single and double panel non-motorized galvanized steel shutters- for normal applications. Mill finish aluminum blades with stainless steel rivets and 19 gauge welded steel frame. Other sizes available please call for quote.

	GH529CF	GH528CF
Propeller Dia	36"	48"
Volts 60 Hz	115/230	115/230
Full Loaded Amps	5.0 / 2.5	14.0 / 7.0
Motor HP	1/2	1
CFM@0.0-In. SP	12820 / 16	25029/23
Max. Fan BHP	0.86	1.60
Fan RPM	594	564
Motor RPM	1725	1725
Height (in.)	45-1/8	58-7/8
Width (in.)	43-3/8	57-3/8
Max Depth (in.)	33-3/4	48-1/4
Opening Required H (in.)	40-3/4	58-7/8
Opening Required W (in.)	42-3/4	57-1/4
Cone Dia. (in.)	59-1/2	45-1/8

Code	Single Panel
GH5225	Std 20" (1C745)
GH5226	Std 24" (1C746)
GH5227	Std.30" (1C055)
GH5228	Std 36" (4C521)



SHUTTER MOTOR OPTIONS

Code	Size
GH526	Single Panel

Code	Double Panel
GH5229	Std 36"(1C209)
GH5230	Std 42"(1C210)
GH524	Std 48"(1C211)
GH5241	Std 54"(3C115)
GH5242	Std 60"(3C116)



Code # GH523

SHUTTER MOTOR OPTIONS

Code	Size
GH525	Double panel - 36"-48"
GH5242A	Double panel - 54"-60"



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