

# ES SHUTTER EXHAUST FANS



- MOTOR** - Thermally protected PSC Motor (air over) is totally enclosed and designed for a continuous duty work load. All fans come with 10' cord wired for 115 volt plug. Totally Enclosed, U.L.C. listed motors. Two year warranty.
- BLADE** - The fan blade is constructed of aluminum with a zinc plated steel hub balanced for smooth vibration - free operation. Pitch is designed to correlate with motor horsepower to deliver maximum efficiency.
- CHROME GRILL** - Allows easy cleaning and meets OSHA guidelines. (OSHA approved on interior wall and approved on exterior wall when mounted 7' above ground.)
- SHUTTER** - High efficiency aluminum shutters with tie bar to eliminate louvre flapping..

## CONTROL FLOW VENTILATION FANS:

- Distribute fresh air throughout building.
- Control wide temperature ranges.
- Control condensation.
- Remove gases, moisture and bad odors.
- Improve air quality.
- Improve profits.



Stock No.	Part#	Size	HP	CFM	Amps	Price
262130502	VES12C	12"	1/10	1,050	1.0	\$161.99
262130504	VES161C	16"	1/10	2,000	1.0	178.69
262130506	VES201C	20"	1/10	2,750	1.0	205.41
262130508	VES20C	20"	1/4	4,300	3.0	242.15
262130510	VES24C	24"	1/3	6,125	4.8	278.89

*\*All above fans : single and variable speed; 1750 RPM;  
wired 115 Volt/1Phs. F.O.B. Wisconsin*

When you receive fans and shutters by UPS & Common carrier inspect all boxes, particularly shutters, for concealed damages. Remove shutter from box and inspect to see that shutter is not bent and moves freely without obstruction prior to signing the Bill of Lading. If shutters are damaged refuse these items, clearly marking on the Bill of Lading that materials are being refused and returned. **IT IS IMPORTANT THIS EXERCISE IS THOROUGHLY COMPLETED PRIOR TO RECEIVING THE SHIPMENT AND SIGNING THE BILL OF LADING.** It is the responsibility of the consignee to file all damage claims with the Carrier directly. MPS is not allowed by any of the carriers to file freight claims on behalf of the consignee. Any questions call MPS Customer Service.

# ALUMINUM INTAKE/EXHAUST SHUTTERS

## FEATURES:

- High efficiency shutter with tie bar to eliminate shutter flapping.
- Powered Aluminum Intake Shutters or free-air exhaust (both inside and outside).
- Nylons bearings; solid shafts; drawn cup-type sleeves on all movable linkage.
- Frame of heavy aluminum extrusion with 1/2" channel lock water stop.
- Corners are precision milled and welded for durability.
- Interlocking blades for maximum weather seal
- Constructed with rigid "T" section center member.
- Optional motorized shutter kit available to turn any shutter into a power shutter.



Stock No.	Part#	Size	Panel	Rough Opening	Price
262130608	VRSG24A-C	24" x 24"	Single	24.5" x 24.5"	\$80.16
262130610	VRSG30A-C	30" x 30"	Single	30.5" x 30.5"	110.22
262130617	VRSG36A-C	36" x 36"	Double	36.5" x 36.5"	120.24
262130614	VRSG40A-C	40" x 40"	Double	40.5" x 40.5"	151.97
262130616	VRSG42A-C	42" x 42"	Double	42.5" x 42.5"	173.68
262130618	VRSG48A-C	48" x 48"	Double	48.5" x 48.5"	192.05
262130620	VRSG54A-C	54" x 54"	Double	54.5" x 54.5"	208.75
262130622	VRSG60A-C	60" x 60"	Double	60.5" x 60.5"	270.54
MOTORIZED SHUTTER KITS - 115/230V					
Stock #	Part #	Description			Price
262130630	VRS1260	Kit Fits 12" - 60" Shutters			\$82.67

*F.O.B. Wisconsin*



### FEATURES:

- Cone and No-Cone Models.
- Slant Wall Styles.
- Heavy Duty Galvanized Box Fan.
- Galvanized Venturi and X-Frame.
- Galvanized Wire Mesh Guard.
- Industrial Grade Aluminum shutter.
- Automatic spring loaded belt tightener.
- Energy Efficient Motors.
- Two Year Warranty.
- Prelubricated ball bearings, thermal overload protection.

The 48" and 50" Typhoon Cone Fan has been tested and certified by an independent testing agency. Our galvanized Scallop-Twist designed blade is engineered for high output - low noise. The energy efficient, thermally protected, totally enclosed ball bearing motor has a 2 year warranty.



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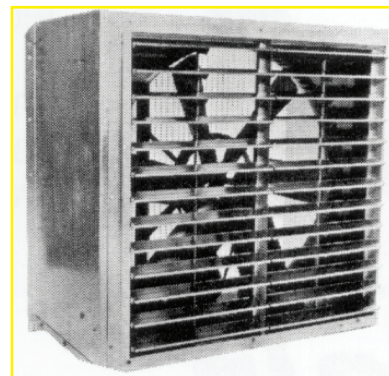
Stock Number	Part Number	Size	Motor HP	Fan RPM	Spd	Phs	Bld	CFM	0" S.P. CFM	.05" S.P. Watt	CFM/ Price
<b>WITH CONE</b>											
262130110	VFS36CS	36"	1	548	1	1	4Glv	10,500	9,400	21.8	\$860.89
262130112	VFS36CS3	36"	1	525	1	3	4Glv	10,400	9,300	18.7	\$879.26
262130118	VFS48CS	48"	1	575	1	1	3Glv	21,000	19,900	19.3	\$1148.13
262130122	VFS48CS3	48"	1	575	1	3	3Glv	21,000	19,900	19.5	\$1166.50
262130124	VFS48CS6	48"	1	425	1	1	6Glv	21,600	20,500	20.0	\$1194.05
262130130	VFS50CS	50"	1	588	1	1	3Glv	23,200	21,600	18.2	\$1166.50
262130132	VFS50CS2	50"	1	575	2	1	3Glv	22,600	21,000	18.1	\$1175.68
262130134	VFS50CS3	50"	1	578	1	3	3Glv	22,700	21,200	18.2	\$1184.87
<b>WITHOUT CONE</b>											
262130148	VNS36S	36"	?	525	1	1	4Glv	9,700	8,600	17.9	\$808.28
262130160	VNS48S	48"	1	575	1	1	3Glv	19,500	18,500	18.3	\$1111.39
262130162	VNS48S2	48"	1	575	1	1	3Glv	19,500	18,500	18.2	\$1148.13
262130164	VNS48S3	48"	1	475	1	3	3Glv	19,300	18,200	17.9	\$1129.76
262130166	VNS48S6	48"	1	475	1	1	6Glv	20,100	18,900	18.8	\$1175.68
262130172	VNS50S	50"	1	550	1	1	3Glv	21,200	20,000	17.9	\$1129.76
262130174	VNS50S2	50"	1	550	1	1	3Glv	21,100	19,700	17.1	\$1129.75

*All Typhoon Fans are shipped assembled except for attaching the shutter and/or cone. Other sizes available, call for information and pricing. All fans are F.O.B. WI.*

# GREENHOUSE FANS



American Coolair's Type NBF Fan provides the solution to fresh air ventilation in most types of farm buildings and greenhouses. Type NBF fans are built to give you years of heavy-duty trouble-free service. The rugged, belt driven construction operates in any position, has permanently lubricated ball bearings, and is available with single or two speed totally enclosed motors. The wall housing is made of heavy gauge galvanized steel and can be attached to exterior walls to free the interior space from obstructions. Boxed wall housing guards are located on the intake sides. The slope wall housing allows the shutter to be placed on fan intake side and eliminates air turbulence that occurs with the shutter on the downwind side of the fan. It prevents the warm air from being lost through the metal wall housing to the outside cold air. Guards are included for the intake side of the housing.



## PERFORMANCE DATA - TYPE NBF FAN ALL SPECIFICATINS SUBJECT TO CHANGE WITHOUT NOTICE.

Fan Model	Blade Dia.	Motor H.P.	Fan RPM	Ship Wt.	0" S.P.		.05" S.P.		.10" S.P.		.125" S.P.	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
NBF24G	24"	1/4	627	70	5400	0.235	5100	0.248	4755	0.258	4530	0.267
NBF24H		1/3	706	73	6080	0.336	5800	0.350	5490	0.364	5370	0.368
NBF24J		1/2	815	79	7020	0.517	6760	0.534	6550	0.549	6375	0.559
NBF24K		3/4	972	93	8370	0.877	8140	0.897	7970	0.915	7885	0.925
NBF30G	30"	1/4	486	77	7620	0.268	7100	0.282	6480	0.295	6040	0.301
NBF30H		1/3	533	80	8360	0.353	7890	0.369	7360	0.383	7040	0.390
NBF30J		1/2	627	86	9830	0.575	9430	0.594	9020	0.611	8790	0.619
NBF30K		3/4	706	106	11070	0.821	10715	0.842	10350	0.862	10160	0.872
NBF36H	36"	1/3	419	100	10600	0.364	9840	0.387	8890	0.399	8225	0.405
NBF36J		1/2	474	110	12000	0.527	11325	0.554	10580	0.572	10120	0.578
NBF36K		3/4	541	118	13700	0.783	13105	0.815	12495	0.839	12155	0.893
NBF36L		1	609	120	15415	1.117	14895	1.153	14360	1.184	14080	1.196
NBF42J	42"	1/2	365	122	14025	0.496	13070	0.523	11925	0.546	11040	0.560
NBF42K		3/4	433	128	16635	0.827	15865	0.860	14930	0.888	14435	0.903
NBF42L		1	474	130	18210	1.085	17515	1.121	16685	1.157	16265	1.168
NBF48J		1/2	303	146	17665	0.577	16250	0.589	14300	0.593	12635	0.589
NBF48K	48"	3/4	350	152	20410	0.889	19240	0.904	17650	0.910	16875	0.914
NBF48L		1	373	154	21750	1.076	20665	1.092	19220	1.104	18500	1.103
NBFH48L		1	396	154	23090	1.288	22080	1.304	20800	1.320	20050	1.318
NBFA54L		1	350	280	24520	0.986	23060	1.027	21360	1.058	20250	1.079
NBFA54M	54"	1 1/2	414	296	29000	1.631	27730	1.681	26475	1.725	25750	1.741

### CHOOSE:

- One phase (115/240V) or three phase (208/230/460V).
- Single (115V) or two speed (230V) motors.
- Square Box Wall or Slope Wall Housing.

**Optional:** Discharge Cones are available on 36", 48", and 54" fans. The cones increase airflow without increasing energy costs to drive the fan. Automatic Belt Tighteners for belt driven fans keep proper belt tension, insure proper RPMs/CFMS and increase belt life.

*FANS ARE SHIPPED  
UNASSEMBLED.  
Call for pricing and custom  
designed ventilation systems.  
F.O.B. Florida.*

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# MOTORIZED AIR INLET SHUTTERS

The LRW Air Inlet Shutter is designed to be used on opposite side or end of buildings from the fan. It features a sturdy aluminum frame, aluminum blades, aluminum reinforcing brackets and nylon bearings on all movable linkage. The LRW Air Inlet Shutter is fully automatic and comes standard with a motor to automatically open and close shutters.

Stock No.	Shutter Size	Price
262-LRW16E15	16 x 16	\$164.66
262-LRW21E15	21 x 21	170.47
262-LRW27E15	27 x 27	190.81
262-LRW33E15	33 x 33	212.12
262-LRW39E15	39 x 39	250.87
262-LRW45E15	45 x 45	295.42
262-LRW51E15	51 x 51	321.58
262-LRW57E15	57 x 57	370.01

AIR INLET SHUTTERS			
AIR INLET SHUTTER MODEL	AIR FLOW CAPACITY CFM	REQUIRED OPENING DIMENSIONS	OVERALL DIMENSIONS INCLUDING FLANGE
LRW16E	1,000	17" X 17"	19-1/4" X 19-1/4"
LRW21E	1,800	22" X 22"	24-1/4" X 24-1/4"
LRW27E	3,000	28" X 28"	30-1/4" X 30-1/4"
LRW33E	4,500	34" X 34"	36-1/4" X 36-1/4"
LRW39E	6,300	40" X 40"	42-1/4" X 42-1/4"
LRW45E	8,400	46" X 46"	48-1/4" X 48-1/4"
LRW51E	10,700	52" X 52"	54-1/4" X 54-1/4"
LRW57E	13,400	58" X 58"	60-1/4" X 60-1/4"

*Call for further information and prices. F.O.B. Florida.*

# RACK & PINION SIDE & END WALL VENTS



Rack and Pinion side wall and gable end wall vents can be fitted to most greenhouses, no matter who the manufacturer. Vents can be 3', 4', & 5' tall by length of the greenhouse gable end or side wall. Standard vent opening is towards outside of greenhouse with outside rack and pinions. Inside opening vents are available upon request. All vents are made of heavy duty aluminum extrusions and can be glazed with 8 mm double wall or single wall

corrugated polycarbonate sheeting. Vent frame includes heavy-duty rack and pinion assemblies on 6' centers, set for 1 3/8" draft shaft. Also includes male and female aluminum hinges, size bars, vent bottom, slam rail, end closures and 1 7/8" upright supports.

*Call for further information and price quotation. F.O.B. Manufacturer.*



Maintaining the Climate for Growth

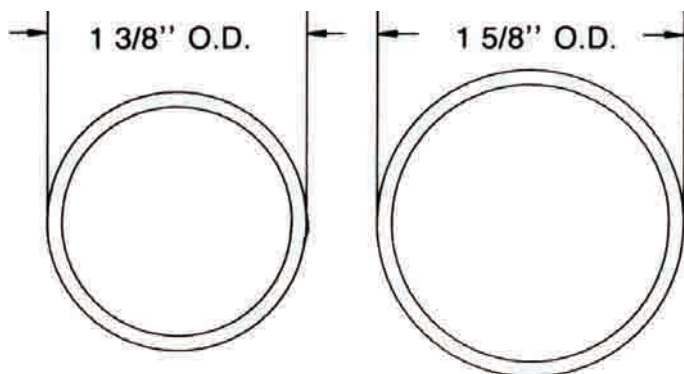


## POWER RACK™ RACK & PINION VENT OPENER

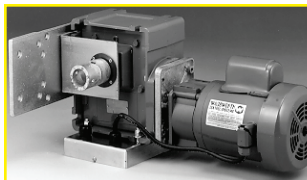


### POWERRACK™ FEATURES:

- Wide load-bearing surfaces
- Replaceable parts: Every part is replaceable using ordinary hand tools
- Freedom from corrosion: Aluminum rack and housing, zinc pinion gear, tough nylatron bearings
- Easy alignment: Rack works, even when not perfectly square with vent
- Economically priced



## VENT CONTROL SYSTEMS



Wadsworth Control Systems' VC-100A offers simplicity in design, installation and operation for the smaller greenhouse. It outperforms the competition with its quiet running, low current, high output motor. This

little workhorse will actually save your money. Lifts up to 75' of 4' fiberglass roof vent or up to 100' of 4' fiberglass side vent with rack and pinion drive. The VC-2000 is Wadsworth's most powerful vent machine. It meets the challenge of long vent runs and heavy vents. With its quiet running, low current, high output motor, the VC-200 keeps your utility bills down. The **VC-2000** is a real workhorse that will perform well even in less than ideal conditions. It is easy to install and maintenance free because the synthetic oil in its gear box never needs changing. Wadsworth Control Systems' VC-2000 is the reliable



vent control for your toughest vent automation jobs. Lifts up to 325' of 54" fiberglass roof vent with rack and pinion drive. Individual vent controls also available. Ask about the VC-200, VC-500 & VC0500/1.

*Call for further information and price quotation. F.O.B. Colorado.*



# SIDEWALL, GABLE END & ROOF RETROFIT VENT KITS

## ERU-B 100W GEAR MOTOR



The 24 volt roll-up motor can handle up to 400 lbs. of weight. When connected to a thermostat will automatically roll

up and down the curtain as needed during the day. Equipped with limit switches and is completely moisture proof. Sidewall applications require guide tube and creeper.

## MANUAL SIDEWALL CRANK



The Manual Sidewall Crank provides a handle opposite the crank giving the operator a place for the left hand to hold the crank and the right hand to rotate the crank. One of

the easiest and fastest ways to roll up and down the curtain on the market. Ratio 4 to 1.

## MANUAL ROOF CRANK



The Manual Roof Crank has a crank connection on the bottom of the crank so one can easily operate the crank from the ground. Comes with shaft

connections. Customer to supply shaft. Ratio 4 to 1.

## SPRING HOOK



The Spring Hook is inserted into the spring loc base at the curtain header and used to attach the wind retainer rope,

keeping the curtain held firmly against the greenhouse frame so no curtain flapping can occur. Hooks can also be used on the spring loc base at baseboard level to attach the retainer rope at the bottom of the curtain.

## WIRE STRAINER



Wire Strainer is used to tighten wire supporting the poly skirt eliminating sags.

## FILM HOOP



The Film Hoop attaches poly to the roll-up bar. Once snapped over the poly on the 1-3/8"

swedged round roll-up bar, secure hoop with self-tapping screw to the roll-up bar.

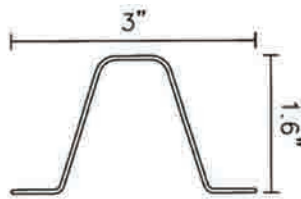
## TRANSFORMER



This 200w 24v DC current transformer will manually or by remote, control the ERU-B gear

motor to open, close or position incremental the motorized sidewall vent. One transformer will handle two gear motors for one greenhouse. Vent can be automatically opened and closed by retrofitting the Vent Control Circuit Card to the transformer to work in junction with a two stage thermostat. When using this method the vent either opens all the way or closes all the way, depends on the setting of the limit switches on the motor. Transformer can be controlled by computers where a relay or connector switch panel is present.

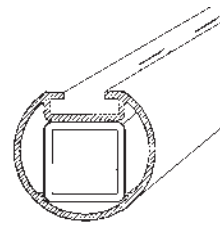
## 5" ROLLED FORMED PURLIN



The 5" rolled formed purlin is an excellent curtain header for 4', 5' and

6' bow spaced greenhouses. CAUTION: using treated lumber for curtain header can cause premature corrosion on galvanized metal and aluminum parts that are in contact with the lumber.

## E-ZY ROLL TUBE



Aluminum E-ZY Roll Tube can be used as the curtain roll-up instead of the 1-3/8" round purlin pipe. The poly curtain is securely attached the entire length of the roll-up tube by

spring wire and keeps roll bar level at all times.

## GEAR MOTOR CREEPER



Is needed for all applications. Creeper connects to the motor, as well

connects to the greenhouse by the guide pipe. Creeper allows the motor to move up and down without obstruction.

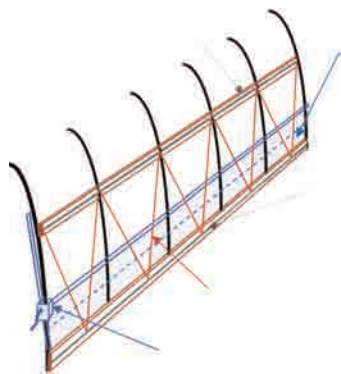
## SMALL HAND CRANK



This small 7.5:1 ratio hand crank easily opens and closes manual sidewall ventilation curtains. Incorporates an automatic brake so whatever the position it is left it will not move.

*Pricing on following page. Minimum order - \$60.00.  
Less than \$60.00 orders will incur a \$6.00 below minimum charge.*

# SIDE WALL, GABLE END & ROOF RETRO FIT VENT KITS



Gable end, sidewall and roof natural vents are becoming more popular due to the high cost of operation and maintenance of mechanical ventilation and the increase effectiveness of natural ventilation. Today most greenhouses are sold equipped with some type of sidewall or roof natural ventilation. Natural ventilation when installed will properly cool greenhouses more consistently through out the entire greenhouse than mechanical ventilation at a lower up front cost of installation and lower cost of operating. Now there is a retrofit kit that will work on all Quonsets, High Tunnels, and Gutter connected greenhouse which can be installed on new and old construction. Any system can be designed from the simplest manual rollup system to an automatic system using a 24 volt motor operated by a thermostat. Depending on greenhouse crops, the system can be designed to have extra overlap seals for less air penetration compared to no seals for non-cold sensitive crops. A system can be designed for whatever your needs may be. Customers may design their own system or contact your Maryland Plants & Supplies sales representative or customer service department.

Stock No.	Description	Price
<b>CURTAIN</b>		
2622025	Spring Hook for Holding Retainer Rope	0.50
2622029	1cm x 300m Plastic Retainer Rope	46.41
215-291012	24' E-ZY Curtain Roll-Up Aluminum Tube	63.68
2622016	Film Clip for 1- ?" to 1-3/8" Roll up Tube	0.50
2623010	Manual Hand Crank for Sidewall 4:1 Ratio	95.00
2623012	Manual Hand Crank for Roof 4:1 Ratio	95.00
2623014	Small Manual Hand Crank 7.5:1 Ratio	46.07
2623020	ERU-B 100w 24v DC Gear Motor	350.00
2622110	Manual Crank & Motor Guide	17.50
2623026	Creeper for EUR-B Motor	34.05
2623030	Remote Control 24V DC Power Supply	190.00
2623022	Vent control Circuit Card (Open/Close)	70.76
190-2VC115JD	VC115 Single stage Thermostat 115V 1ph	60.06
<b>VENT HEADER</b>		
26011200	1-3/8"x 21' 18 ga. Swedge Purlin Pipe	44.35
2604P0001841	5"x10'4" Rolled Formed Purlin	20.43
2604G0000312	5"x12'4" Rolled Formed Purlin	22.21
260-2SSS01JD	#10x1" Stainless Steel Hex Drill Screw for Wood	0.22
260-2DPS58JD	#10x 5/8" Hex Head Self-Tapping Screw for Metal	0.08
260-6030	Wiggle Wire 6.5' Plastic Coated	0.83
260-6035	Wiggle Wire 6.5' Stainless Steel	2.21
260-6022	12 Spring Lock Base Swedged	10.95
260-6027	12' Springloc Galvanized Base	5.68
260-6040	Splicer for Galvanized Springloc Base	0.23
<b>SKIRT</b>		
262-2124PTJD	24" x 6 mil Poly Tube Skirt (specify length)	1.12/linear ft
225-123425BT	2-3/4" x 500 YD Black Polypropylene Batten Tape	64.13
2622035	#14 ga. X 100" Galvanized skirt wire	11.30
2622040	Wire strainer	2.62

# ALUMINUM MANUAL ROOF & GABLE END VENT



This aluminum frame manual roof and gable poly vent can be retrofit to any greenhouse. Excellent for Cold Frames, High Tunnels, free standing and gutter connected greenhouses. It provides just enough opening for fall, winter and spring ventilation. When used for summer ventilation on naturally side ventilated greenhouse this vent will release stratified rising hot air above the greenhouse sidewall vent drawing cooler air through the sidewalls promoting better ventilation for the greenhouse. This vent features all aluminum frame, spring loc poly fastening system on outside frame for attaching roof or gable end poly around the vent, springloc on the vent itself for covering the vent, three open locking positions, easy to pull rope for opening and closing, easy to install, can be installed on roof, sidewall or gable end, and it comes assembled. Specific your arch/bow pipe diameter for the attaching clamp system to attach. Four foot bow spacing is ideal but vent can be field retrofitted for five and six foot bow spaced greenhouses. Frame size is 2' x 4.26'. Four vents recommended for 96' long greenhouse.

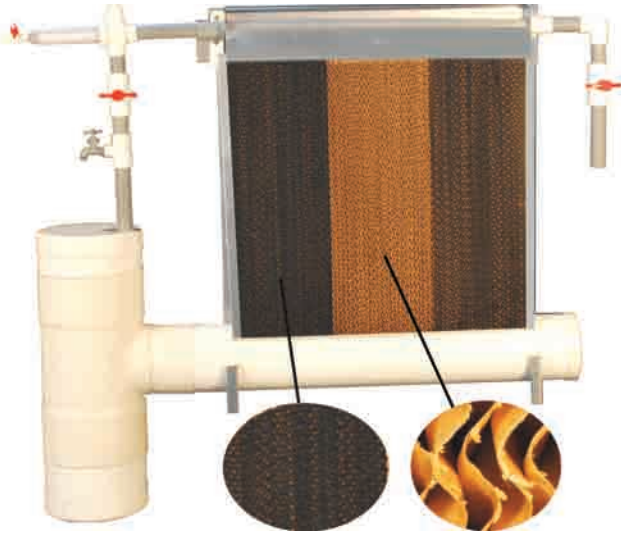


Stock No.	Description	Price
2623000	2' x 4.26' Manual Ridge Vent	\$234.87
2623004	Vent/Springloc Base Clamp (for 1-3/8" tube)	5.60
2623006	Vent/Springloc Base Clamp (for 1.66" tube)	6.56

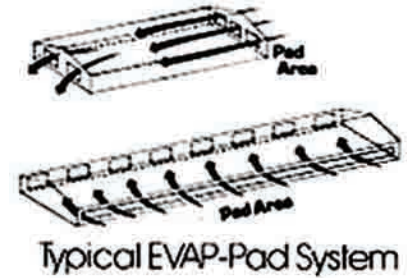




# EVAPORATIVE PAD COOLING SYSTEM



To counter periods of extreme temperature that affect the in-house environments, and therefore production, Coolair Evaporative Cooling systems are used with outstanding success. When large quantities of air are pulled through the evaporative cooling pads that are saturated with water, a substantial cooling effect is realized due to the evaporation of that water. Used in conjunction with Coolair fans, a temperature reduction of 10 to 25 degrees is commonplace. Suited for all geographic locations, the Coolair EVAP-Pad system delivers the greatest economic benefits to areas where higher temperatures during longer periods of time are the norm. What Is An Evaporative Cooling Pad? The EVAP-Pad is a product developed for horticultural and agricultural cooling applications. EVAP-Pad's are made from a specially formulated cellulose paper, impregnated with insoluble anti-rot salts, stiffening saturants and wetting agents. The EVAP-Pad has a cross fluted configuration that gives maximum cooling when the warm air passes through the wet EVAP-Pad's. It is available in 4" and 6" thickness.



*Call for custom designed Evaporative Cooling Pad Systems to satisfy your needs. F.O.B. Florida.*

## EVAP-PAD COOLING SYSTEM REPLACEMENT PADS



Stock No.	Description	Weight	Price
262-1EC1105A	4" x 12" x 24"	1.6 lbs.	\$10.41
262-1EC1106A	4" x 12" x 36"	2.4 lbs.	15.50
262-1EC1107A	4" x 12" x 48"	3.2 lbs.	20.83
262-1EC1108A	4" x 12" x 60"*	4.0 lbs.	26.15
262-1EC1109A	4" x 12" x 72"*	4.8 lbs.	31.00
262-1EC1101A	6" x 12" x 24"	1.6 lbs.	15.50
262-1EC1102A	6" x 12" x 36"	2.4 lbs.	23.25
262-1EC1103A	6" x 12" x 48"	3.2 lbs.	31.00
262-1EC1104A	6" x 12" x 60"*	4.0 lbs.	38.74
262-1EC1110A	6" x 12" x 72"*	4.8 lbs.	46.50
262-1ECTPS4A	Tall Pad Support for 4" Pads	-	4.59/each
262-1ECTPS6A	Tall Pad Support for 6" Pads)	-	5.51/each



### EVAP-PAD ADVANTAGES:

- EVAP-Pad's will not sag, rot or develop holes.
- With proper care and maintenance, EVAP-Pad's will last for 5 years or more eliminating the labor and material needed to replace pads of many types.
- There is no carry-over of water droplets to enter the house.
- Requires less pad area than conventional pads.

*\* Requires tall pad supports.*

*84" and 96" pads are also available upon request. F.O.B. Florida.*

## SUMP PUMPS

CIRCULATING PUMPS FOR EVAPORATIVE COOLING PAD SYSTEMS.

Stock No.	Description	Price
262-10SP20AC	1/6 HP submersible, 5' - 25' header, 115V 1ph	\$144.32
262-10SP25AC	1/3 HP submersible, 25' - 45' header, 115V 1ph	271.21
262-10SP40AC	1/2 HP centrifical, 40' - 80' header, 115/230V 1ph	716.76
262-10SP50AC	3/4 HP centrifical, 75' - 110' header, 115/230V 1ph	760.35

*Other pumps available, call for further information. F.O.B. Florida.*



# PORTABLE PREMIUM DRUM FAN



## FEATURES:

- Totally enclosed, maintenance free, direct drive high efficiency motors have completely sealed ball bearings, UL and ULC certification, built in automatic thermal overload protection, covered by a Full One Year Warranty.
- Aluminum blade increases air flow and motor life.
- All metal construction.
- Toolless ergonomic tilt adjustment knobs.
- Light weight, large wheels and handles for easy transportation.
- 2-Speed rotary switch.
- 6'6" Grounded 3-prong plug.
- Low maintenance.
- Meets OSHA standards.
- Unit comes completely assembled

Stock No.	Part No.	Size	HP	Volt	CFM High/Low	RPM	Amps	Price
26213200	PDF24	24"	1/3	115	7,200/5,500	1,725	2.8	\$236.58

F.O.B. Wisconsin

# PORTABLE COOLING UNITS

J&D Manu. is proud to announce it's newest addition to our misting and cooling line, Patented Portable Cooling Units.

## FEATURES & ADVANTAGES:

- When you combine the cooling effect of high velocity air with a temperature dropping misting/fogging adapter (up to 20°F in low humid air), the combination can give you the feeling of up to a 30°F Temperature drop.
- Independent shut off valve on each nozzle ensures cooling when you need it.
- GFCI ground fault circuit interrupters on all units(115V).
- Tubular aluminum frame is lightweight yet durable.
- POW series are certified UL507 indoor/outdoor fans.
- Folds down for easy transportation and storage.
- Grip handles.
- Separate fan and pump controls.
- Enclosed 60 psi pump.
- Rugged 8" tires.
- One year warranty.



Stock No.	Prod. No.	Fan Size	HP	Spd	Fan CFM High	RPM High	Amps High	Blade	Price
26213VAC18-POW	VPC18-POW	18"	1/3	3	6,600	1,570	1.8	3 - Painted	\$1105.54
26213VAC24	VPC24	24"	1/2	1	8,500	1,725	4.8	3 - Aluminum	1113.89
26213VAC24-POWOSC	VPC24-POWOSC	24"	1/3	3	7,200	1,100	2.8	3 - Painted	1148.96
26213VAC30POWOSC	VPC30-POWOSC	30"	1/3	3	8,200	1,100	2.8	3 - Painted	1190.70

F.O.B. Wisconsin

# WAYCOOL PORTABLE EVAPORATIVE COOLER

## FEATURES:

- Two-speed, quiet blower moves air up to 100 ft.
- High efficiency evaporative cooling pads on all four sides.
- High impact ABS plastic with UV protection.
- Lower operating costs - less than 50 cents per day!
- Simple maintenance required.
- Continuous fill or tank for stand alone operation.
- Special order 220 volt.

## IDEAL APPLICATIONS:

- Customer comfort.
- Assembly line operation area.
- Retail Greenhouse.
- Break areas.
- Loading dock/shipping area.
- Head house spot cooling.
- Promotes productivity by increasing employee comfort.



Stock No.	Product	HP	Volts	Air Velocity	Base	Height	Weight	Discharge Opening	Water Capac.	Price
262-220WC14S	WC-1/3HP	1/3	115	25.5 Mph	25x25	42"	98 lbs.	8x15	14 gallon	\$1712.59
262-220WCO14S	WC-1/3HP-OSC	1/3	115	25.5 Mph	25x25	42"	103 lbs.	8x15	14 gallon	1973.94
262-220WC24S	WC-1HP	1	115	40 Mph	33x33	52"	190 lbs.	9x18	24 gallon	2923.34
262-220WCO24S	WC-1HP-OSC	1	115	40 Mph	33x33	52"	195 lbs.	9x18	24 gallon	3328.31

F.O.B. Minnesota

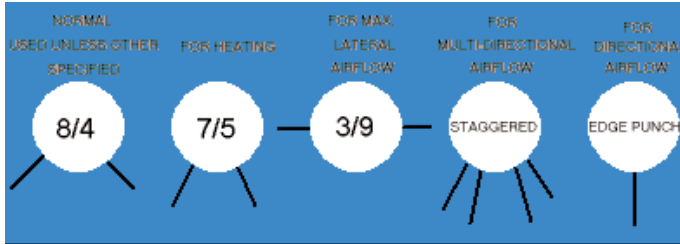




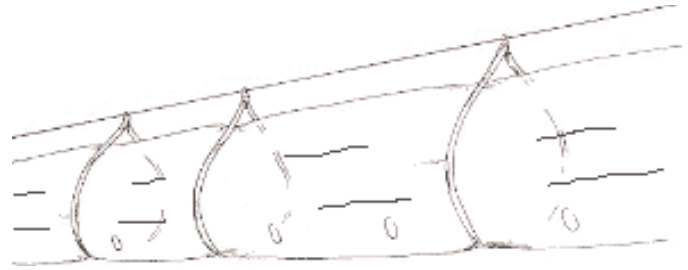
# CONVECTION TUBING

## PUNCH POSITIONS

Ken-Bar's poly convection tubing is available in either 4 or 6 mil. 4 mil tubing is guaranteed for one year, 6 mil is guaranteed for three years. The polyethylene is clear and is protected with a strong ultraviolet inhibitor. The formulation of the plastic is designed for maximum light penetration and for durability in a greenhouse environment.



## TUBE HANGER



Ken-Bar recommends that tubing be hung from a cable using tube hangers. These hangers do not penetrate the plastic. They consist of a loop of white plastic and a snap ring. The tube loop extends around the outside of the tube and is clipped to the cable using a snap ring. The hangers should be spaced 7 feet apart.

### ADVANTAGES OF KEN-BAR'S TUBING:

- **Guarantee.** Each tube is guaranteed to support the cubic feet/minute output of the fan. If there is a problem, the tubing will be replaced immediately. The 4 mil tubing is guaranteed for 1 year and the 6 mil for 3 years.
- **Custom Punching.** Ken-Bar provides proper diameter holes and spacing that conform to fan manufacturer's specifications. A properly designed tube will make full use of the fan's output by distributing air evenly down the length of the greenhouse. If they know the length of the house and the diameter of the fan, they can custom design the tube. Punch position can be varied as shown above to provide the best possible air flow for each situation.

### SUGGESTED USES FOR TUBING:

- Ventilation when cooling greenhouses.
- Uniform dispersion of heat from a forced hot-air furnace.
- Improved mixing of air in greenhouses.
- Introduction of dry air into greenhouses.
- To provide gentle streams of ventilation air.
- To heat selected areas of a greenhouse.

#### CONVERTING TUBING

Quantity Discounts  
 1,000 ft., less 10%  
 1,500 ft., less 15%  
 2,000 ft., less 20%  
 Call for further discounts.

*Specify convection tubing length (max. 500') and punch position when placing order.*

Stock No.	Tubing Mil	Diameter Inflated	Price Per Lay Flat	Price/Linear Foot
262-2012PTJD	4 mil	12"	20.0"	\$0.55
262-2018PTJD	4 mil	18"	28.5"	0.62
262-2020PTJD	4 mil	20"	32.0"	0.71
262-2024PTJD	4 mil	24"	38.0"	0.82
262-2030PTJD	4 mil	30"	47.5"	0.95
262-2036PTJD	4 mil	36"	56.5"	0.98
262-2112PTJD	6 mil	12"	20.0"	0.69
262-2118PTJD	6 mil	18"	28.5"	0.81
262-2124PTJD	6 mil	24"	38.0"	1.12
262-2130PTJD	6 mil	30"	47.5"	1.29
TUBE HANGERS		Description		
262-B1RINGKB	Galvanized Snap Ring			0.46/each
262-B1LOOPKB	White Vinyl Tube Loop			0.98/each

*Specify length per tube and punch position when placing order.  
 Maximum length per punched 4mil is 500' and 400' for 6mil.  
 Unpunched tubing is available. Small order charge of \$6.00 for orders under \$70.00. F.O.B. Massachusetts.*

## NOTES

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