

BLTV36 QUICK INSTALL GUIDE



Safety Precautions

Read and understand this manual prior to installation or servicing your VES-Artex product.

For the safe handling of VES-Artex products, you will find the following safety words DANGER, WARNING, CAUTION and NOTICE throughout this manual. These will identify safety levels as described below. Failure to obey the safety measures may result in death, serious injury or damage to the product.

Use best industry practices when handling tools and equipment. When handling VES-Artex products follow all federal, state, and local safety codes as it related to the work being performed.

Safety Alert Key



Indicates an imminently hazardous situation which, if not avoided will result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided could result in minor or moderate injury.



Indicates a potentially hazardous situation which, if not avoided could result in death or serious injury.



Used to address practices not related to personal injury.

General Safety



1. Verify lifting equipment is safe prior to fan handling.
2. Electrocution. Disconnect fan prior to any service.
3. Electrical wiring must be completed by qualified personnel in accordance with all applicable codes.
4. Verify the electrical system is properly grounded prior to installing fans.



1. Keep hands and objects away from rotating fan blades.
2. Fans with blades rotating below 7 feet (2.3 meters) must be fastened with guards.
3. Heavy load. Handle fans with a safe and secure method.
4. Falling damage. Mount fans with VES-Artex approved hardware.
5. Always wear eye protection when installing and servicing VES-Artex products.



1. Follow all federal, state and local safety codes as it relates to work being performed.



1. Ensure fan(s) are not damaged prior to installation.
2. Ensure all fan parts are accounted for prior to installation.

Unpacking

General



CAUTION



Do not remove zip ties (A) during transportation and installation to prevent equipment damage or personal injury. See Figure 1-1.

NOTICE

Once a VES-Artex product is received, inspect the product for any damage. It is recommended that inspection occurs immediately, especially if the product is being installed at a later period of time. If any damage is detected, file a claim with the freight carrier.

NOTICE

Use VES-Artex recommended handling techniques when moving VES-Artex products. Products damaged during installation are not covered under warranty.

Recommended Tools

Bit (#2) 

13mm 

13mm 

2000 lb. cap. 



Heavy Lifting Equipment

NOTICE

Do not begin disassembling the product until the building is ready for fan installation.

1. Start by removing zip ties and stabilizing packing material (B & E) using cutting pliers. See Figure 1-1. Retain packing material for future installation.
2. Keep support brackets (C & D) attached to the fan.
3. Remove the horizontal bracket (F) on each fan.
4. Separate fans individually with a reciprocating saw, by cutting behind the lower angled bracket (D) and through the wooden pallet.

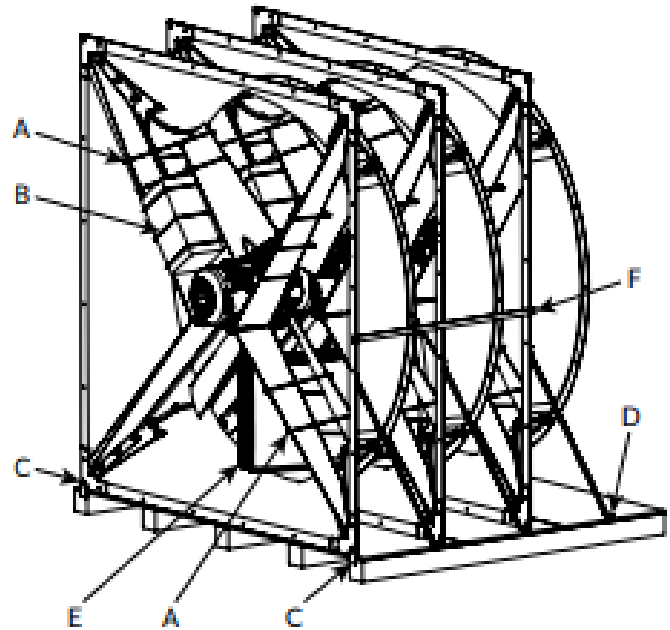


Figure 1-1. Pallet Unpacking



DANGER



Verify lifting equipment is safe prior to fan handling.

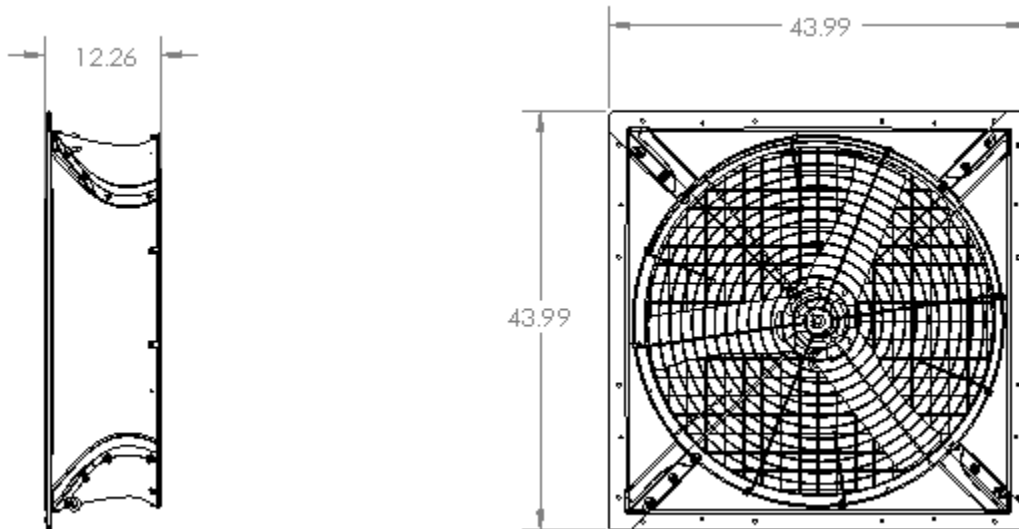
5. Once a fan has been separated move the fan to the installation location. See the 2D fan drawings to find these locations provided separately.

NOTICE

Be sure zip ties (A) are removed prior to operation to prevent equipment damage. See Figure 1-1.

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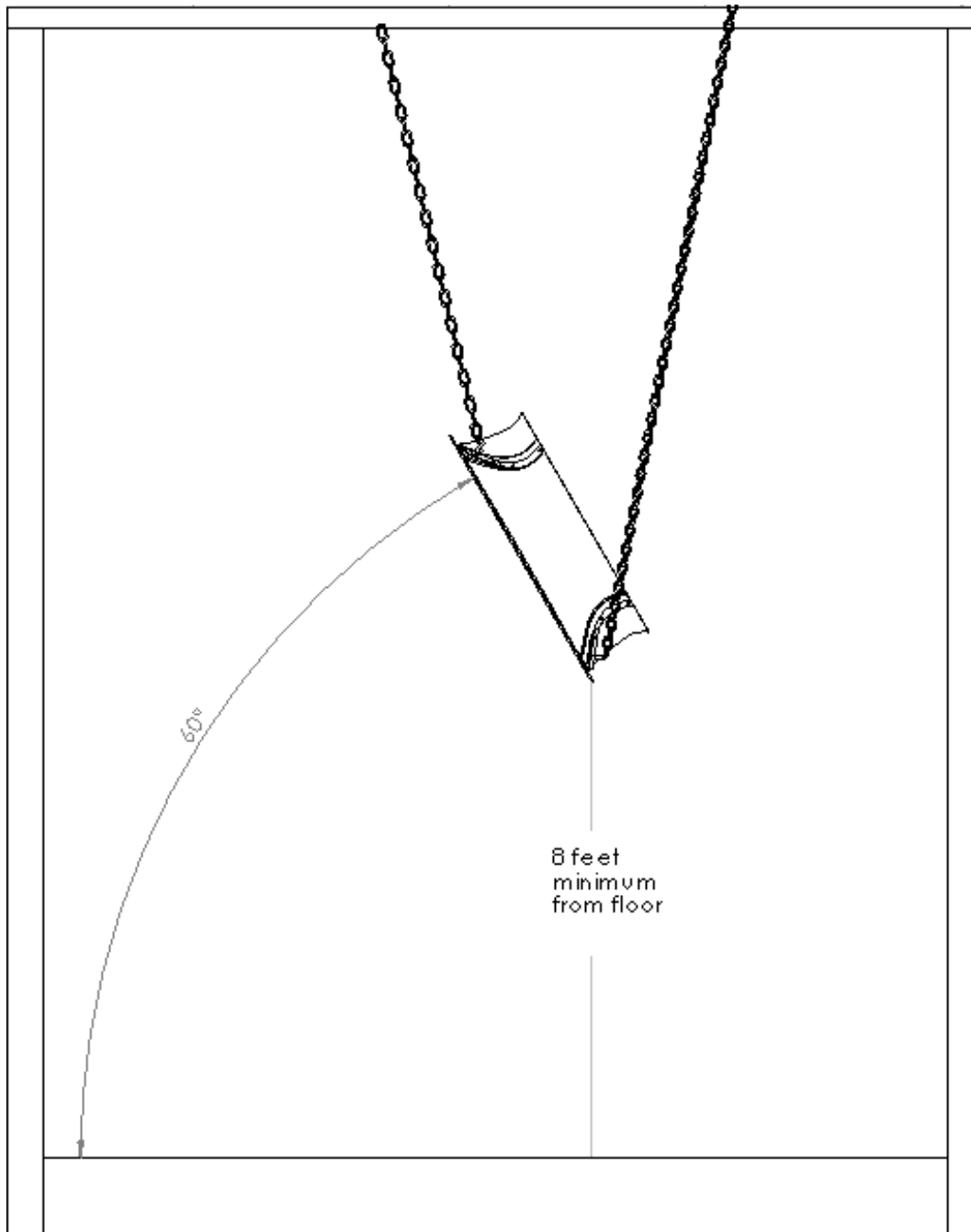
Dimensions



- Be sure supports-anchor points can hold weight of the unit (70lbs. total)
- Fan should be mounted at 60-degree angle for optimal performance.
- A minimum of 8 feet is required from the floor/stall bed to any parts on the fan, also consider machinery that could damage fan (adjustments of height may need to change accordingly)
- A telehandler or forklift is recommended for ease of install.
- Chain and Quick links are recommended for hanging (Length of chains will be dependent on roof pitch, height of building, location of fan install etc.)

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Chain Mounting



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Troubleshooting

| Symptom | Cause | Solution |
|----------------------|--|---|
| FAN WILL NOT START | Blown or bad fuse or circuit breaker | Check fuses and circuit breakers. |
| | Bad connection | Check wire connections to motor. |
| | Over or under voltage | Check voltage at fan connection. |
| FAN TOO FAST / SLOW | Over or under voltage | Check voltage at motor. Ensure motor is wired for correct voltage. |
| | Setting not correct | Check environmental control settings. |
| FAN MAKES NOISE | Loose hardware or attachments | Check motor case to make certain all visible screws are snug. |
| | | Check to make certain that all blade bracket screws are tight. |
| | | Check to make sure fan/guards are secured. |
| | Bad/worn bearing or bent shaft Debris | Check bearing shaft to ensure blade spins freely with no noise |
| FAN WOBBLER/VIBRATES | Loose hardware | Check that all blade paddles are screwed firmly to the spyder. |
| | Damaged blades Debris | Run fan without blade, if motor does not wobble, then motor is not defective but the blades may be damaged. |
| | Bad/worn bearing | Check for worn bearing shaft. |

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Maintenance Schedule

DANGER

Before performing any maintenance be sure power is disconnected from fan.

At no time should you attempt to work on or adjust the fan while fan is running or the blades are moving. By attempting to service a fan in operation, you are risking the safety of yourself and others around you.

CAUTION

During fan service and cleaning, it is recommended that you wear gloves to protect your hands from possible sharp edges.

DANGER

Do not attempt any repairs on the unit unless you are competent to do so. Repairs need special tools and skills. If you are unsure or in any doubt, contact your dealer for assistance.

| Component | Time Line | Task |
|---------------|-----------|--|
| Fan | Daily | Check that all fans are working. |
| | Monthly | Start up all the fans and check for irregular noise or vibration. |
| Wiring | 12 months | <p>NOTICE</p> <p>All electrical work must be done by a certified electrician.</p> <p>Check integrity of the electrical wiring. Pay particular attention to cut or split or loose wiring. Repair or replace as needed.</p> |
| Blades | 6 Months | General cleaning: wipe blade surfaces. |
| | | <p>WARNING</p> <p>To avoid shock injury or catastrophic electrical damage to VES-Artex products, do not use pressurized water on motor or control. Introducing pressurized water will void the warranty.</p> |
| | | Inspect blades for any irregularities. |
| | | Inspect the hub for signs of metal fatigue or wear. |

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Warranty

LIMITED WARRANTY & RETURN POLICY THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

ONE-YEAR LIMITED WARRANTY

VES Environmental Solutions, LLC. (VES) products are warranted to the original purchaser ("purchaser" is defined as person or company who received an invoice from VES for purchase of goods) against defects in workmanship or materials, under normal use for one year after original date of purchase unless specified in any of the warranties listed below. Any part which is determined to be defective in material or workmanship and returned to a preauthorized service location (as VES designates with shipping costs prepaid by purchaser) will be, as the exclusive remedy, repaired or replaced at VES's option. For limited warranty claim procedures, see "Prompt Disposition" below. This limited warranty gives the purchasers specific legal rights which vary from jurisdiction to jurisdiction. To file a warranty claim or for the return procedure, please see the "Prompt Disposition" or "Returns" sections below.

SPECIFIC LIMITED WARRANTIES

- 3 Years on Turntide Direct Drive Motor
- 2 Years VESC Control Series, Phason Controls, Turntide DirectDrive Controls, and Variable Frequency Drives (Manufacturer Warranty, Prorated)
- 2 Years on Steel (Prorated)
- 2 Years on Variable Speed Motors
- 3 Years on Polycarbonate Sheets
- 5 Years on Lighting
- 5 Years on Rubber Flooring (Mfg Warranty Prorated)
- 5 Years on Rubber Flooring (Mfg Warranty Prorated)
- 5 Years Industrial Ceiling Fans
- 10 Years on all 36", 50", 55" & 72" Fiberglass Housings
- 5 Years on all 50", 55" & 72" Poly Blades or Aluminum Blades
- 90 Days on Phason Accessories, Kits, Replacement Parts and Software
- Curtain Drive Units and Parts
- 1 Year on Motor
- 2 Years on Lock Drives Drive Units and parts, excluding the Motor (Mfg Warranty Prorated)

LIMITATION OF LIABILITY

To the extent allowable under applicable law, VES's liability for consequential and incidental damages is expressly disclaimed. VES does not refund any costs related to the installation, removal, or time associated with work done on product(s) or labor related thereto. VES's liability in all events is limited to, and shall not exceed, the purchase price paid. Any variation from this limitation must be exclusively approved in writing by an officer of VES.

DISCLAIMER: A diligent effort has been made to provide product information and illustrate the products accurately. However, such information and illustrations are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable or suitable for a particular purpose, or that the products will precisely conform to the illustrations or descriptions. Except as provided herein, no warranty or affirmation of fact, expressed or implied, (other than as stated in the "limited warranty" section above) is made or authorized by VES, unless in writing by an officer of VES. Certain aspects of disclaimers or limitations on warranties may not applicable to consumer products in certain jurisdictions; in such cases, such aspects of disclaimers or limitations hereunder may not be applicable to purchasers located in those jurisdictions.

TECHNICAL ADVICE AND RECOMMENDATIONS DISCLAIMER:

Notwithstanding a past practice, trade custom, or any other related dealings, sales shall not include the furnishing of technical advice, assistance or system design. VES assumes no obligation or liability on account of any unauthorized recommendations, opinions, or advice as to the choice, installation, or use of products.

PRODUCT SUITABILITY: Codes and regulations governing sales, construction, installation, and/or use of products for certain purposes may vary from jurisdiction to jurisdiction. While attempts are made to substantiate that VES products comply with such codes, VES cannot guarantee compliance and, therefore, cannot be responsible for how the product is installed or used. Before purchase and use of a product, the purchaser should review the product applications, as well as all applicable national and local codes and regulations, to be certain that the product, installation, and use will comply with any corresponding codes and regulations.

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PROMPT DISPOSITION: With respect to any product that proves to be defective within the applicable limited warranty period, a good faith effort will be made for prompt correction or other adjustment.

For any product believed to be defective within the applicable limited warranty period, the purchaser must immediately notify VES Customer Service or fax 715-720-0801 and to obtain and fill out a Request for Return Authorization form detailing all known defects. VES will then advise if items are under warranty. If items are under warranty, VES will issue an RMA number that must be clearly referenced on all items returned. All items being returned for testing will be FOB VES warehouse with freight prepaid by purchaser. If, after being tested and inspected, the items are deemed not to be covered under this limited warranty please see the "Returns" section below and subject to a \$50 testing fee. Title and risk of loss shift to the purchaser on delivery by a common carrier, unless the purchaser assigns a freight carrier (where such risk will shift to the purchaser when the goods leave any VES location). If product was damaged in transit, a claim must be filed with the carrier upon, or immediately after, delivery with all damages documented on the Bill of Lading. Goods must be returned within 60 days or RMA number issued will be considered void, unless reauthorized by VES.

RETURNS: Products may NOT be returned to VES without a Return Merchandise Authorization (RMA) number. A purchaser has 30 days from the date of purchase to request an RMA form from our customer service department. Once an RMA form has been completed and returned to Return Department, an RMA number will be assigned, and the purchaser may then arrange return of product. RMA numbers expire 30 days after issue date and will not be reissued. All returns must be sent to a VES FOB destination, with freight costs prepaid by the purchaser. For standard products in "like new" condition, credit will be issued (a minimum 20% restocking fee may apply) after receipt and inspection of the product by VES. For custom or private labeled products delivered to purchaser, or any standard product returned in less than "like new" condition, the restocking fee will be determined upon inspection and will be within a range from 30% to 100%. **ANY PRODUCT RETURNED TO VES FREIGHT COLLECT AND/OR WITHOUT AN RMA AUTHORIZATION WILL BE REFUSED.**