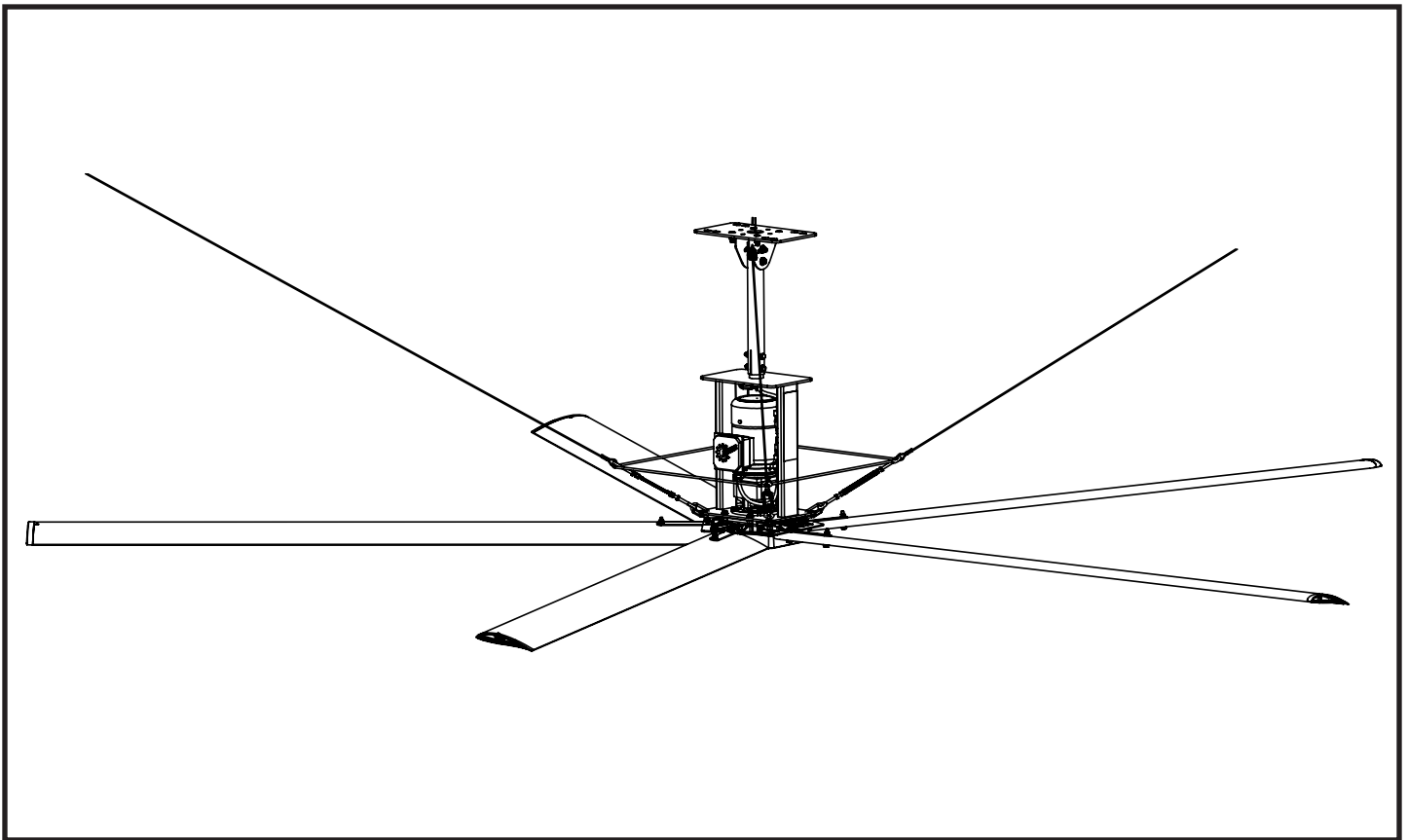


USE AND CARE GUIDE

CE - 15



Questions, problems, missing parts? Before returning to the store,
call Commercial Electric Customer Service
8 a.m. - 7 p.m., EST, Monday - Friday, 9 a.m. - 6 p.m., EST, Saturday

1-877-527-0313

HOMEDEPOT.COM

THANK YOU

We appreciate the trust and confidence you have placed in Commercial Electric through the purchase of this Industrial 15 ft HVLS fan. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Commercial Electric!

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Safety Information

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.

READ AND UNDERSTAND THIS MANUAL BEFORE INSTALLING OR OPERATING A FAN UNIT. INSTALLATION, ADJUSTMENT, REPAIR, OR MAINTENANCE MUST BE PERFORMED BY QUALIFIED PERSONNEL.



THE USER IS RESPONSIBLE FOR COMPLIANCE WITH ALL INTERNATIONAL AND NATIONAL ELECTRICAL CODE REQUIREMENTS WITH RESPECT TO THE GROUNDING OF ALL EQUIPMENT.

MANY OF THE PARTS OF THIS UNIT OPERATE AT LIVE VOLTAGE. DO NOT TOUCH.

INSTALL ALL COVERS BEFORE APPLYING POWER OR STARTING AND STOPPING THE UNIT.

NOTICE: ALL ELECTRICAL CONTROLS ARE CONFIGURED AT THE FACTORY AND ARE READY TO USE. NO USER ADJUSTMENTS ARE AVAILABLE. FOLLOW THE INCLUDED WIRING SCHEMATICS AND INSTALLATION INSTRUCTIONS WHEN INSTALLING THIS DEVICE TO ENSURE PROPER OPERATION. DO NOT MAKE ANY CHANGES TO ANY PART OF THE FAN WITHOUT FIRST CONSULTING COMMERCIAL ELECTRIC.

Safety Information

READ AND SAVE THE ENTIRE MANUAL BEFORE OPERATING THE FAN.

Ensure that all safety practices and instructions are followed during the installation, operation and servicing of the fan. Failure to apply these safety practices could result in death or serious injury. If you do not understand the instructions please call the Commercial Electric Customer Service.

The fan installation should follow the recommendations outlined in this manual. Commercial Electric is not responsible for any injury or damage to people or property as a result of the user and/or installer not complying with the recommendations outlined in this manual.

All fan controls and incoming power should only be installed by qualified technicians familiar with the requirements of the National Electric Code (NEC) and local codes. Refer to appropriate portions of this manual for other important requirements. Failure to follow these guidelines will void the manufacturer's warranty.

Installation is to be in accordance with the national electrical code, ANSI/NFPA 70-1999 and local codes.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

Contact the Customer Service Team at 1-877-527-0313 or visit www.HomeDepot.com.

TO REDUCE THE RISK OF ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning the unit, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.



WARNING: IF UNUSUAL OSCILLATING MOVEMENT IS OBSERVED, IMMEDIATELY STOP USING THE CEILING FAN AND CONTACT THE MANUFACTURER, ITS SERVICE AGENT OR SUITABLY QUALIFIED PERSONS.



WARNING: MAKE SURE TO POWER THE FAN OFF AND LOCK IT OUT USING THE IEC/CE APPROVED DISCONNECT WHEN DOING ANY CLEANING AND OR MAINTENANCE TO THE EQUIPMENT.

PRIOR TO THE INSTALLATION, ENSURE:

- That the mounting of the suspension system shall be performed by the manufacturer, its service agent or suitably qualified persons;
- That the fan is to be installed so that the blades are more than 10ft [3.05m] above the floor;
- That all other installation and spacing requirements are met.



WARNING: DO NOT OPERATE OR INSTALL ANY FANS OR FAN ACCESSORIES THAT APPEAR TO BE DAMAGED. FAILURE TO FOLLOW THIS INSTRUCTION CAN RESULT IN DEATH, SERIOUS INJURY, OR EQUIPMENT DAMAGE.

Safety Information

SERVICE:

If the fan does not operate properly using the procedures in this manual, **BE CERTAIN TO REMOVE ALL POWER TO THE UNIT** and contact Commercial Electric Customer Service for further assistance.

Keep clear of moving parts at all times. All electrical troubleshooting and repair must be done by a qualified technician and meet all applicable codes.

Ensure that the replacement of parts of the safety suspension system device shall be performed by the manufacturer, its service agent or suitably qualified persons.

KEY SAFETY SYSTEM COMPONENTS:

CE fans are engineered with key safety features to prevent pieces of the fan from falling in the unlikely event of a catastrophic failure. Used together, these features provide comprehensive protection of people, equipment and property. Follow the detailed instructions precisely when installing fans, including the following:

- Install the safety cable on **EVERY** fan. The safety cable, if installed per specifications, will prevent the fan from falling in the unlikely event that the mounting system should fail. A CE fan should never be run without a properly installed safety cable, which is supplied with every fan along with all required hardware. You must install a safety cable for the warranty to be in effect.
- Install guy wires on **EVERY** fan. Properly installing the guy wires is required for proper stabilization during normal operation. In addition, guy wires keep the fan stable in case of earthquakes or in “outdoor” installations where high wind conditions may occur.

MARK THE FLOOR TO ALERT PERSONNEL

When mounting a fan in an area where materials may be elevated into its path, we recommend marking or painting the floor with a large crosshatched circle to alert personnel of the overhead location of fans

WEIGHT CONSIDERATIONS

Ensure the fixing means for attachment to the ceiling such as hooks or other devices shall be fixed with a sufficient strength to withstand 4 times the weight of the ceiling fan. The maximum hanging weight for the CE fan is 165.5 lbs. If there is any uncertainty in the strength of the building structure, a professional structural engineer should perform a thorough evaluation of the building prior to purchasing the fans. Commercial Electric provides guidelines for mounting fans; however, it is the sole responsibility of the building owner and installer to ensure the safety of the mounting system, that the building structure is sound and that the installation complies with all federal, state, and local codes.

TORQUE

The maximum torque (twisting force) during normal operation that must be handled by the mounting system, including the building structure. For a CE fan, the maximum potential torque is 40 ft-lbs.

CHECK FEDERAL, STATE, AND LOCAL CODES

Check all relevant codes to make sure that all product certifications, product listings, and building regulations are met. Code compliance is the responsibility of the installer.

WINDY CONDITIONS

Fans should not be operated when wind is present.

Warranty Information

The manufacturer extends this warranty to the original retail purchaser of its model or, if this unit is purchased and installed by a building contractor, then to the original owner of the building. No subsequent purchaser of the unit or of a building which it is installed is entitled to any of the benefits of this warranty.

This product is warranted against defects in materials and workmanship for a period of two (2) years from the date of original retail purchase. No other parts or components are warranted. There is no warranty for defects caused by abuse, faulty installation, or the like. Repairs or replacement parts supplied under this warranty are warranted only for the period of this warranty; that is, two (2) years from the date of the original retail purchase of the unit.

In the event of a defect or malfunction, we will replace or repair the defective part or component only and return the new or repaired part to you freight prepaid. You must bear all other expenses incurred in obtaining repairs, including labor required for field repair or replacement, and the cost of shipping the defective part to us. You must also bear the cost of replacement of any part or component and the shipping charges incurred for the replacement and return to you any part or component not covered by this warranty, including parts or components damaged by you.

The manufacturer reserves the right to demand and receive written evidence of the date of purchase before undertaking to perform its obligations under this warranty. You should, therefore, retain your sales slip. There is no informal dispute settling mechanism available in the event of a controversy involving this warranty. Any and all implied warranties which may exist terminate upon the expiration of this warranty, two (2) years from the date of the original retail purchase. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

The manufacturer is not liable to you for incidental or consequential damages arising out of a defect or malfunction of a unit, or its installation, or out of any alleged breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.


Contact the Customer Service Team at 1-877-527-0313 or visit www.HomeDepot.com.











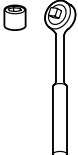



Pre-Installation

PLANNING INSTALLATION


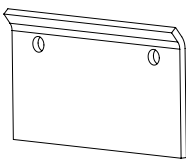
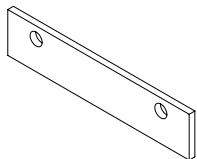
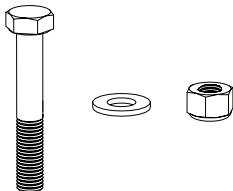
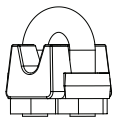
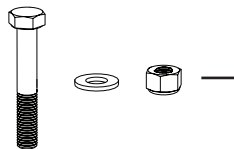
Prior to installation, make sure to read the entire Use and Care Guide and observe all requirements specified.

 **NOTE:** For any application not explicitly covered in this Use and Care Guide, please consult a structural engineer.

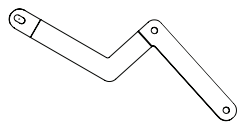
TOOLS REQUIRED

	Level		Flat Blade Screwdriver		Phillips Screwdriver
	3/8" Combination Wrench		3/4" Combination Wrench		1/2" Combination Wrench
	9/16" Combination Wrench		10 mm Combination Wrench		Socket Wrench
	3/4" Socket for Socket Wrench		1/2" Socket for Socket Wrench		9/16" Socket for Socket Wrench

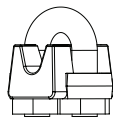
HARDWARE

	AA		BB		CC
	DD		EE		FF

Pre-Installation



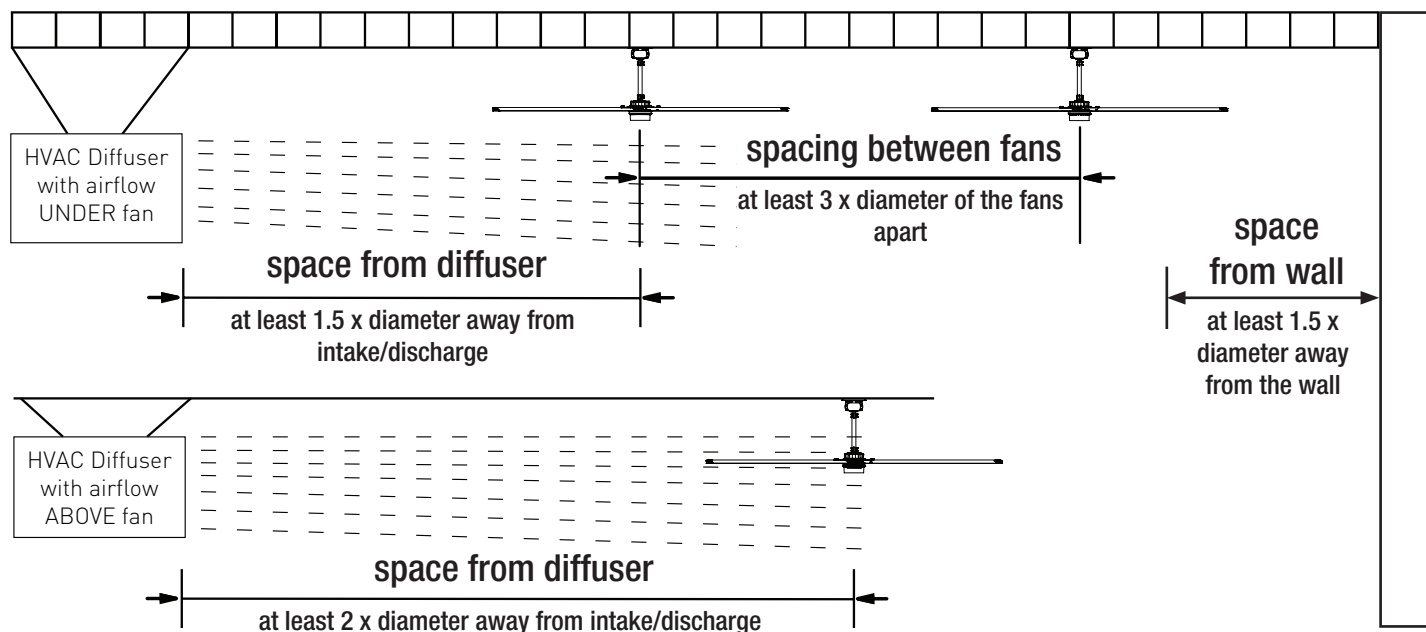
GG



HH

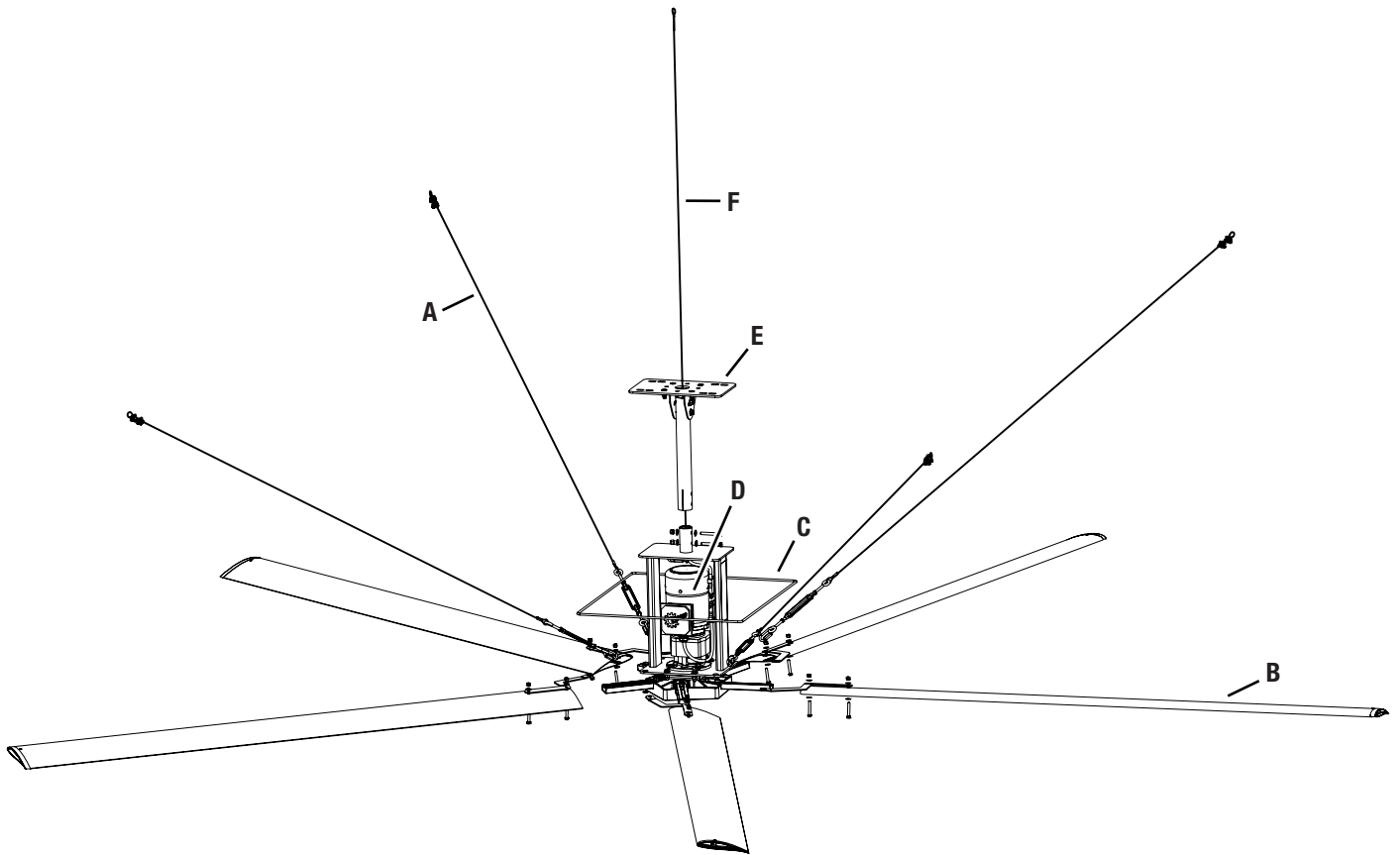
Part	Description	Quantity
AA	I-Beam Bolts, Nuts, Washers	4, 4, 8
BB	I-Beam Clamps	2
CC	I-Beam Shims	2
DD	Motor Attachment Bolts, Nuts, Washers	2, 2, 4
EE	Safety Cable Clamps	2
FF	Blade Bolts, Nuts, Washers	10,10, 20
GG	Safety Retainer Link	5
HH	Guy Wire Clamps	8

SPACING REQUIREMENTS



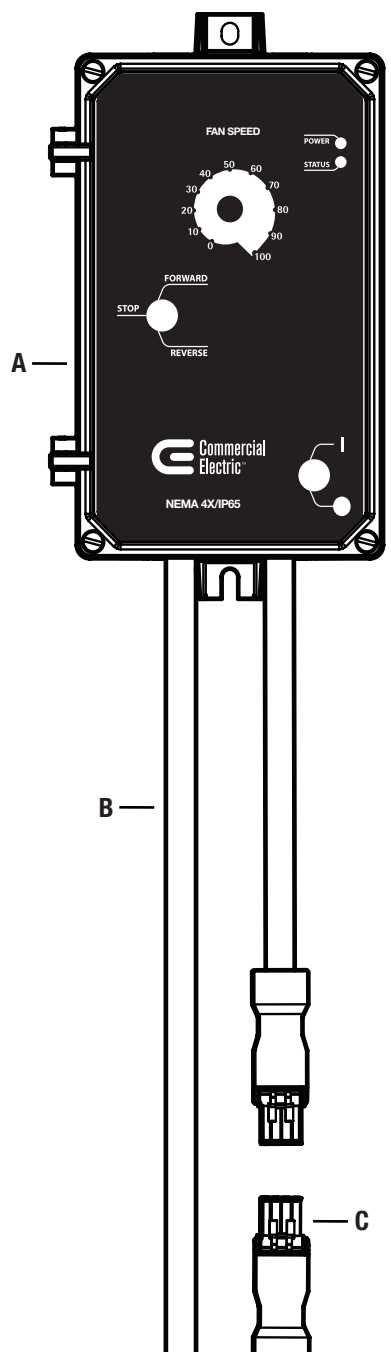
Pre-Installation

PACKAGE CONTENTS



Part	Description	Quantity
A	Guy Wires	(4)
B	Fan Blades	(5)
C	Guy Wire Band	(1)
D	Fan Motor Unit	(1)
E	Mount	(1)
F	Safety Cable	(1)

Pre-Installation



Part	Description	Quantity
A	VFD/Control Box	(1)
B	Cable To The Incoming Power	(1)
C	Cable To The Motor	(1)

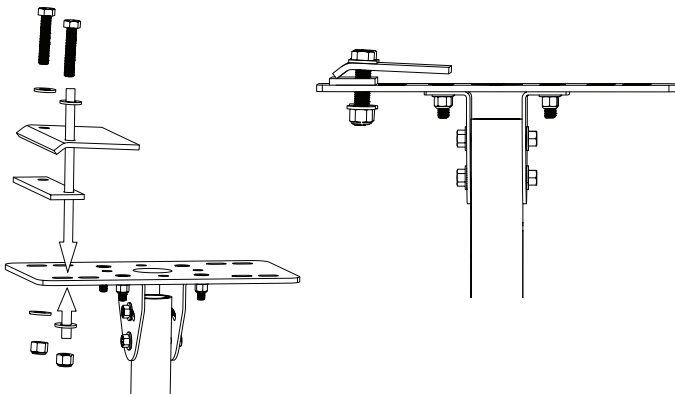
Installation – I-Beam/Steel Truss

1 Secure the I-Beam Clamp



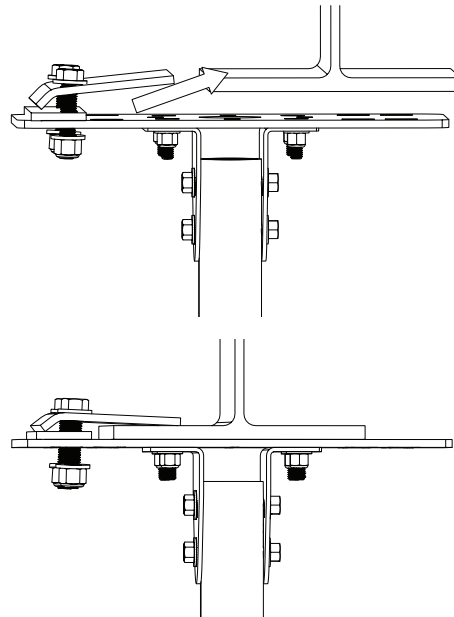
FOR MOUNTING TO STEEL TRUSSES OVER 3 INCHES IN WIDTH. FOR WIDTHS UNDER 3 INCHES OR IF YOU WISH TO MOUNT TO A DIFFERENT SURFACE THAN THESE LISTED HERE, CONTACT A STRUCTURAL ENGINEER.

- Secure one (1) I-beam clamp and one (1) shim to the top plate of the mount using two (2) I-beam bolts and nuts with four (4) washers. Hand tighten the bolts.



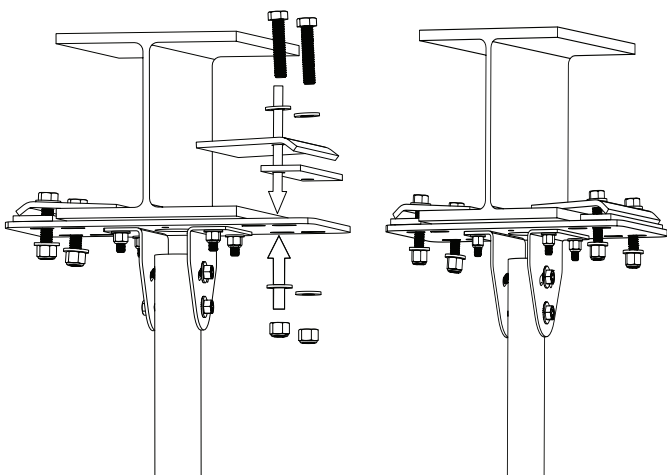
2 Position the Top Plate

- Position the top plate under the I-beam so that one side of the beam is between the clamp and top plate.



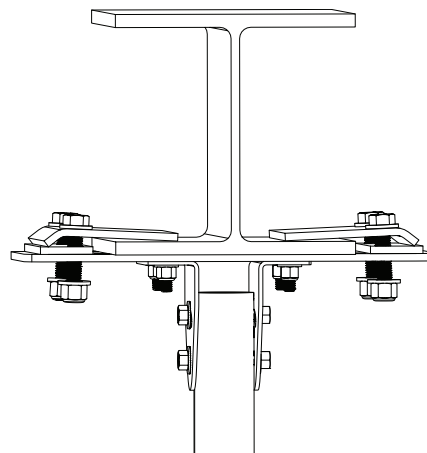
3 Secure the other Side

- Secure the other I-beam clamp and shim to the top plate using two (2) I-beam bolts and nuts with four (4) washers. Hand tighten the bolts.



4 Center the Mount

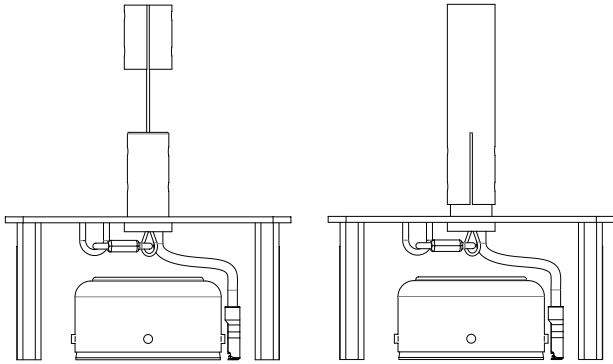
- Center the mount on the beam and torque the four (4) I-beam bolts to 75 ft-lbs using a 3/4" combination wrench and socket.



Installation – Motor Unit

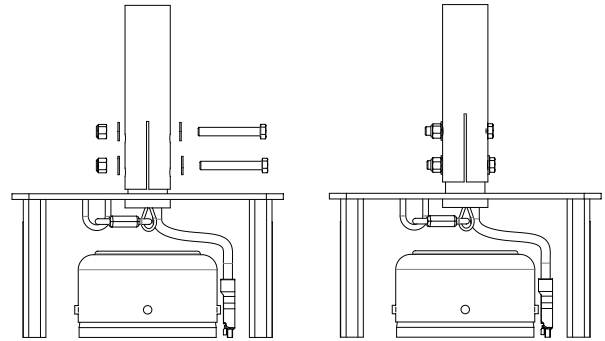
1 Slide in the Drop Attachment

- Slide the drop attachment point of the frame into the drop tube of the mount, ensuring that the bolt holes line up.



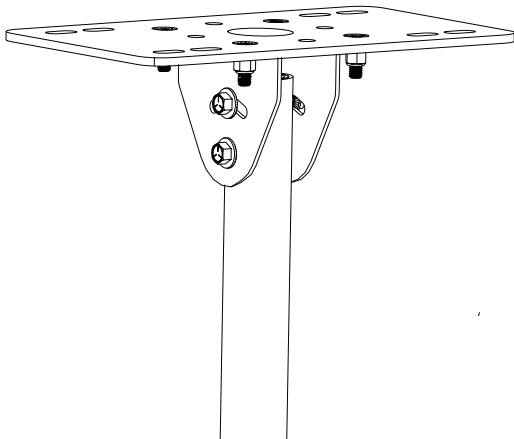
2 Secure the Frame

- Secure the frame to the drop tube with two (2) motor attachment bolts and nuts with four (4) washers. Torque the bolts to 30 ft-lbs with a 9/16" combination wrench and socket.



3 Level the Fan

- Ensure that the fan is level and torque the four (4) bolts connecting the extension tube to the fixed angle mount to 30 ft-lbs using a 9/16" combination wrench.



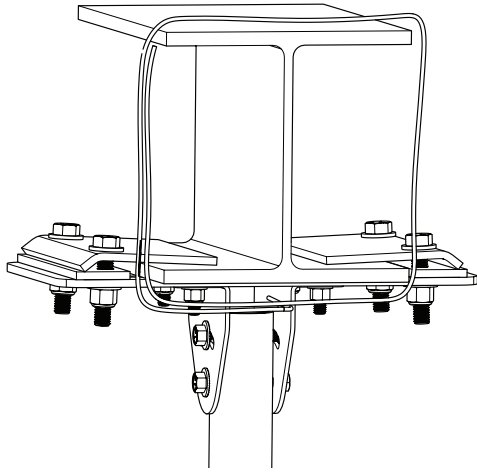
Installation – Safety Cable

1 Wrap the Safety Cable



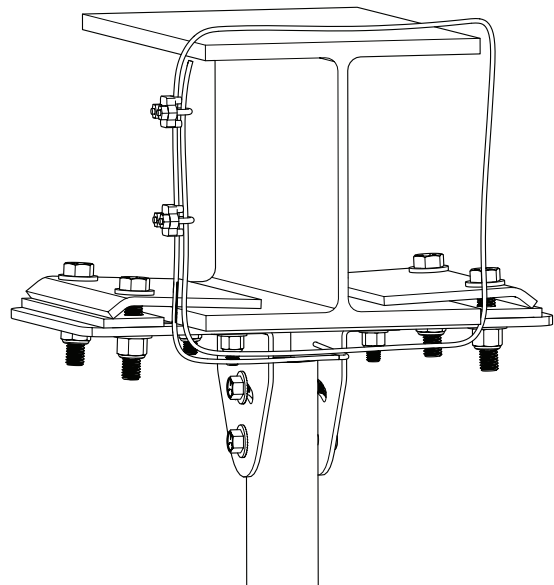
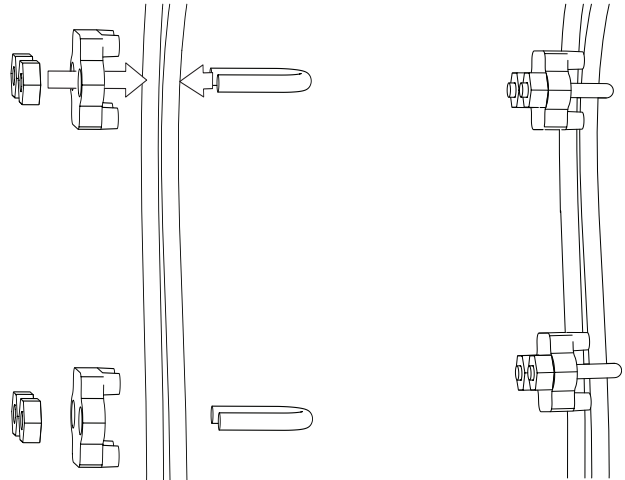
WARNING: DO NOT PUT TOO MUCH TENSION ON THE SAFETY CABLE. THERE NEEDS TO BE A SMALL AMOUNT OF SLACK PRESENT IN THE SAFETY CABLE FOR PROPER FUNCTIONING. AVOID SHARP EDGES.

- Wrap the safety cable around the I-beam.



2 Secure the Safety Cable Clamps

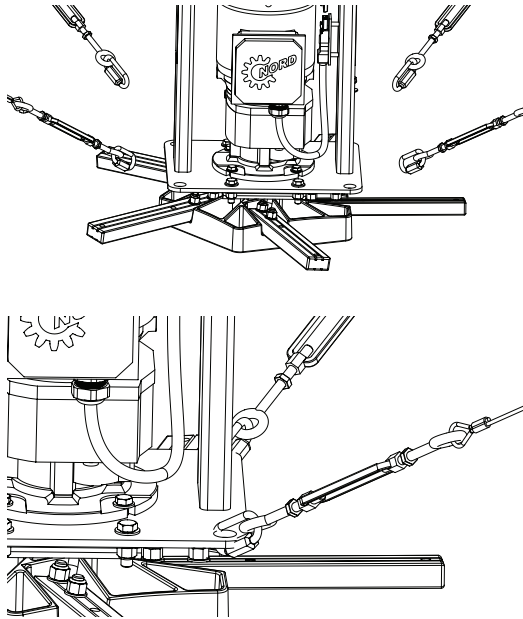
- Secure two (2) safety cable clamps around the wire. Pull the cable taut and tighten both nuts using a 10mm wrench.



Installation – Guy Wires

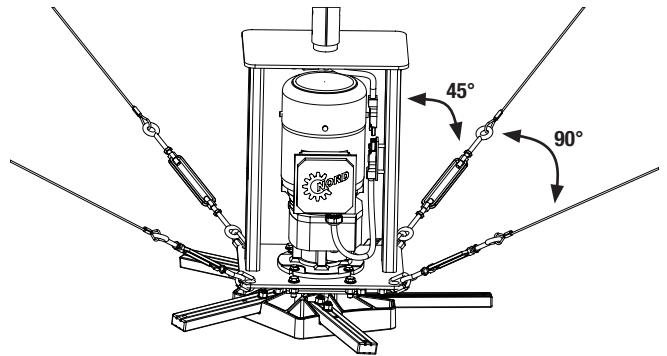
1 Secure the Guy Wires

- Secure the four (4) guy wires to the attachment points on the frame.



2 Secure the Guy Wires to the Building

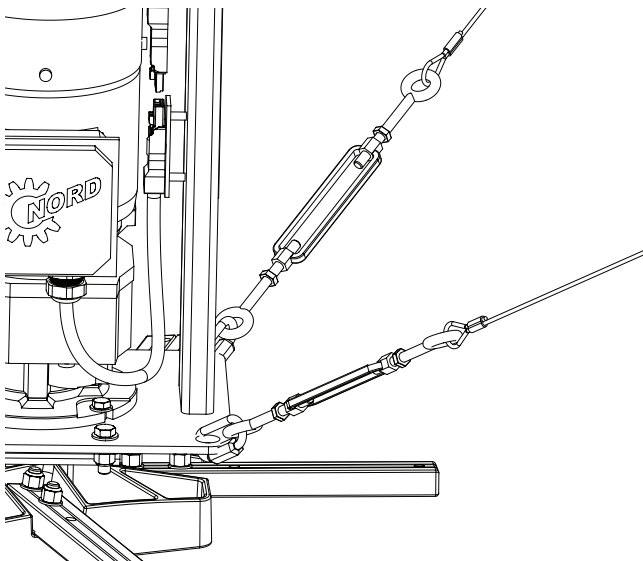
- Secure the four (4) guy wires to the building structure so that the guy wires are at a 45 degree angle from the drop and 90 degrees from each other. Tighten both nuts on each cable clamp using a 3/8" wrench.



NOTE: GUY WIRES NEED TO BE SECURELY MOUNTED TO THE BUILDING. YOU CAN USE GENERIC BEAM CLAMPS WHEN MOUNTING TO I-BEAM OR STEEL TRUSS. LAG I-BOLTS CAN BE USED WHEN MOUNTING TO WOOD GLULAMS. DO NOT WRAP GUY WIRES AROUND THE BUILDING STRUCTURE.

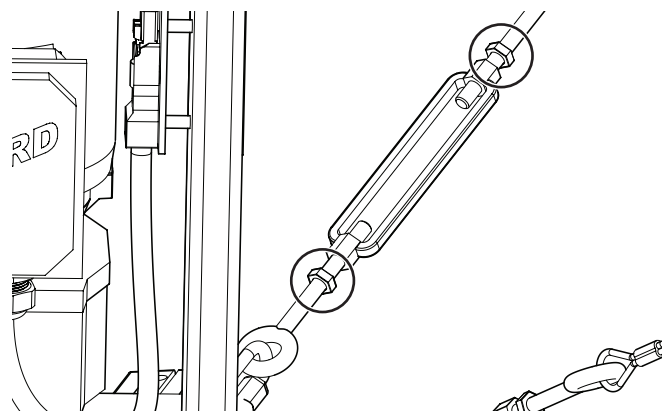
3 Hand Tighten

- Hand tighten each turnbuckle, ensuring that the fan remains level.



4 Once Level, Fully Tighten

- Once the fan is level and the guy wires are taut, tighten both jam nuts (circled below) on each guy wire using a 1/2" wrench.

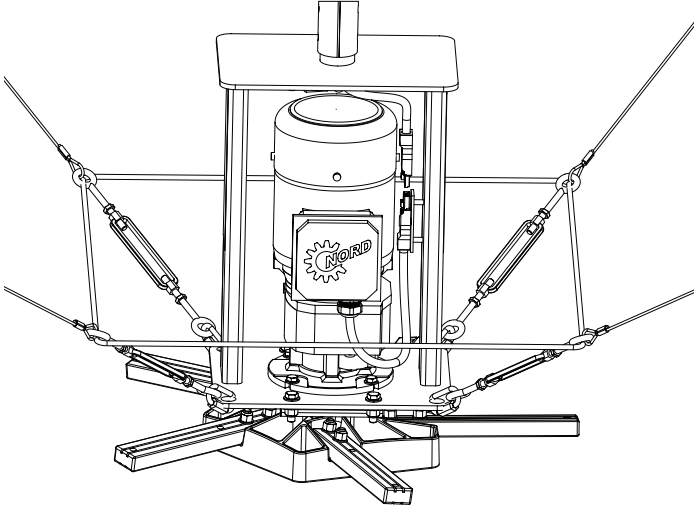


NOTE: DO NOT USE TOOLS TO TIGHTEN THE TURNBUCKLES; ONLY USE TOOLS TO TIGHTEN THE JAM NUTS. THE GUY WIRES MUST BE TAUT SO THAT THERE IS NO MOVEMENT IN THE MOTOR OR EXTENSION TUBE.

Installation – Guy Wires

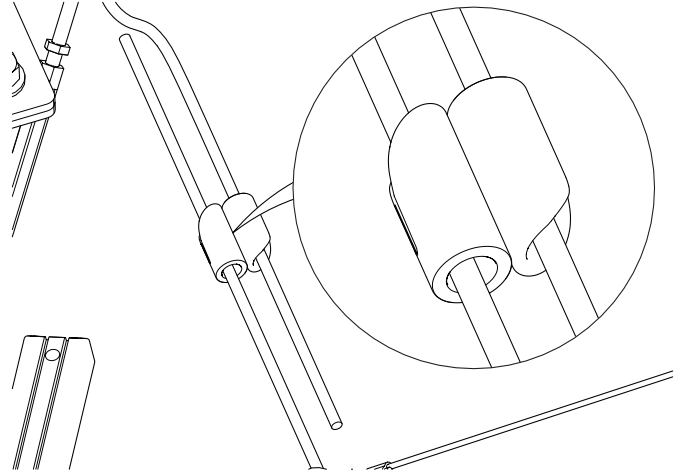
5 Insert the Guy Wire Band

- Insert the guy wire band through the top eyelet of each of the four (4) turnbuckles.



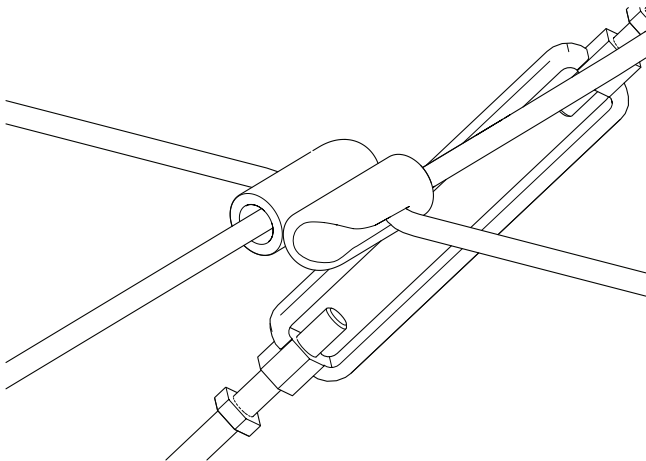
6 Pull the Cords through the Cable Lock

- Pull one of the ends of the cord through one of the holes on the cable lock and then pull the end into the groove to lock it. Use pliers to properly secure the cord in the groove of the cable lock.



7 Repeat Step 6

- Repeat step 6 for the second end of the cord using the opposite hole and groove on the cable lock. The safety cable should be pulled tight.

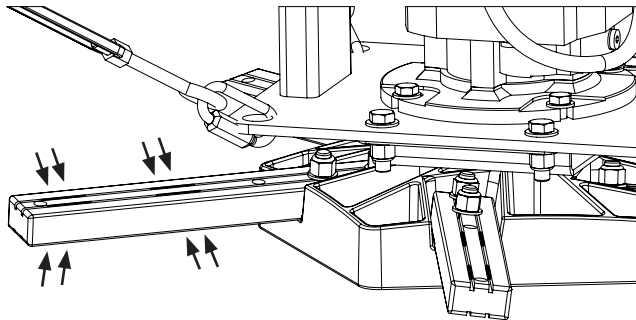


NOTE: THE CORD IS CUT TO A PREDETERMINED LENGTH FOR PROPER TENSION. DO NOT EXCESSIVELY STRETCH THE CORD.

Installation – Blades

1 Apply the Provided Lubricant

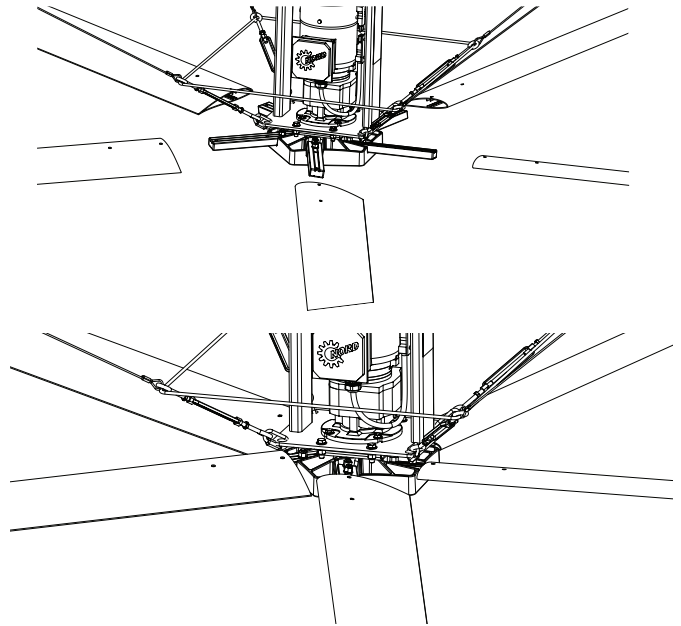
- Apply the provided lubricant in 4 spots on the top and bottom of each strut. Each line of lubricant should be in the groove, approximately 1"-1.5" long and spaced as indicated in the picture.



(THE LUBRICANT SHOULD REACH THE TOP OF THE GROOVE. NOTE THAT IT IS NORMAL TO USE APPROXIMATELY HALF OF THE TUBE PER 5 STRUTS; YOU DO NOT NEED TO USE THE WHOLE TUBE.)

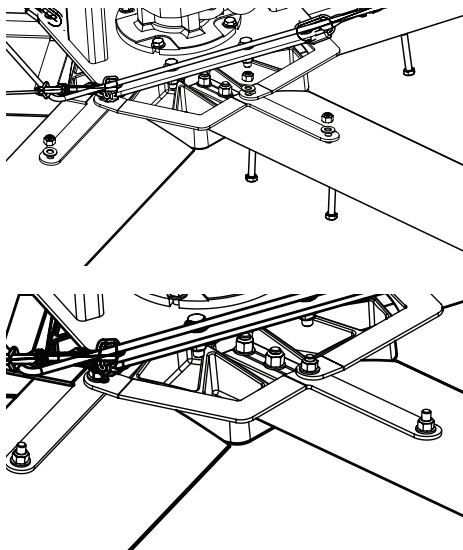
2 Slide the Blades onto the Blade Struts

- Slide the blades onto the blade struts and align the holes in the blade and the blade struts.



3 Install the Safety Retainer Links

- Once all of the blades are in place, install the safety retainer links and blade bolts, nuts and washers in a clockwise or counterclockwise manner, overlapping each safety retainer link with the previous safety retainer link. Torque the blade bolts to 23 ft-lbs using a 1/2" combination wrench and socket.



Installation: Electrical

MOTOR CABLES AND INCOMING POWER MUST NEVER BE RUN IN THE SAME CONDUIT. FAILURE TO INSTALL PER COMMERCIAL ELECTRIC INSTRUCTIONS, INCLUDING WIRING, MAY BE HAZARDOUS, CAUSE PREMATURE FAILURE, AND VOID THE MANUFACTURER'S WARRANTY.

Regulatory Notice: EMI | Electromagnetic Interference

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the functioning of radio navigation or other safety services or seriously degrades, obstructs, or repeatedly interrupts a licensed radio communications service. Radio communications services include but are limited to AM/FM commercial broadcast, television, cellular services, radar, air-traffic control, pagers, and personal communications services (PCS). These licensed services, along with unintentional radiators such as digital devices, variable frequency drives (VFDs), and other equipment such as fans with VFDs, contribute to the electromagnetic environment.

Electromagnetic compatibility is the ability of items of electronic equipment to function properly together in the electronic environment. CE Fans variable frequency drives, VFDs, are designed to be in compliance with regulatory agency limits for EMI. However, there is no guarantee that interference will not occur in a particular installation. If Commercial Electric's products (fans) do cause interference with radio communications services, which can be determined by turning the fans off and on, please notify Commercial Electric Customer Service.

Commercial Electric's products are designed, tested, and classified for their intended electromagnetic environment. These electromagnetic environment classifications generally refer to the following harmonized definitions:

Class A is typically for business or industrial environment.

Class B (Commercial Electric products are NOT designed for typical residential environments covered under this classification).

CODE COMPLIANCE IS THE RESPONSIBILITY OF THE INSTALLER AND, ULTIMATELY, THE END USER. All wiring should conform to the National Electric Code (NEC) 2005, ANSI/NFPA 70-1999, and all local codes. This fan control should only be installed by qualified technicians familiar with the requirements of the NEC and local codes.

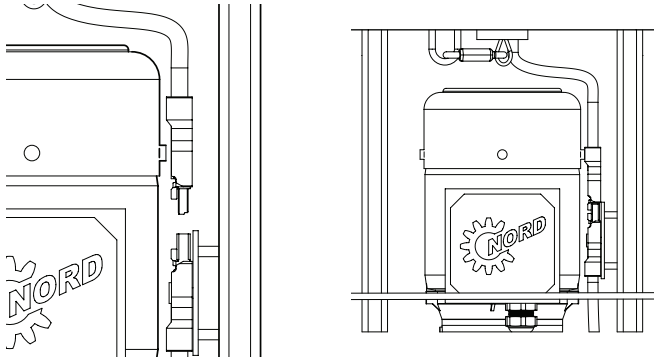
Note: Commercial Electric has a policy of continuous product improvement and reserves the right to change the design and specifications without notice.

If you have any questions, please contact Commercial Electric Customer Service.

Installation: Electrical

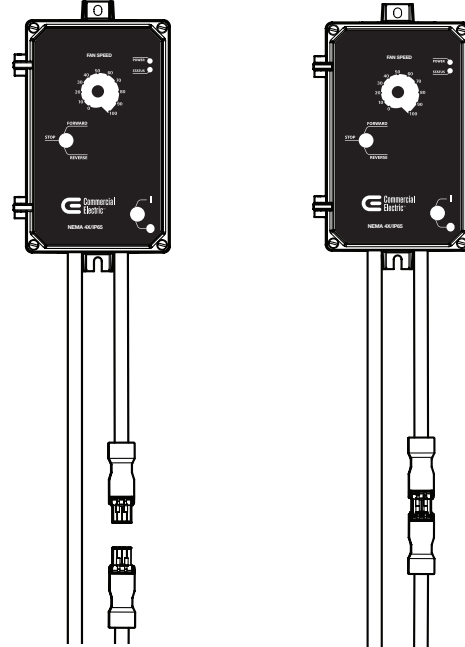
1 Feed the Cable through the Frame

- Feed one end of the 50' cable to the motor through the top of the frame and plug it into the receptacle on the frame.



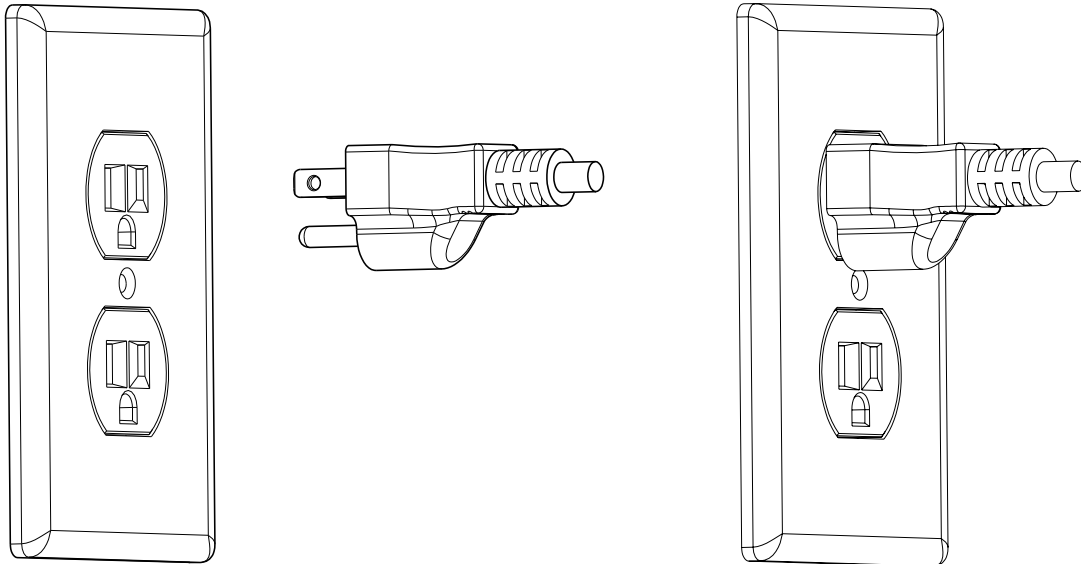
2 Attach motor cable to VFD

- Attach the other end of the 50' cable to the receptacle on the VFD whip.



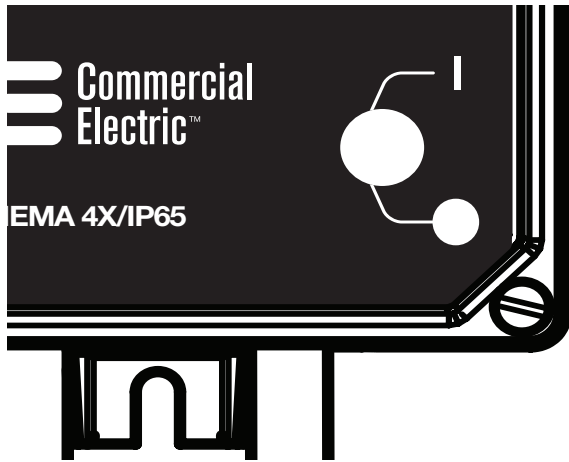
3 Plug the VFD in

- Plug the cable to the incoming power into an electrical outlet.

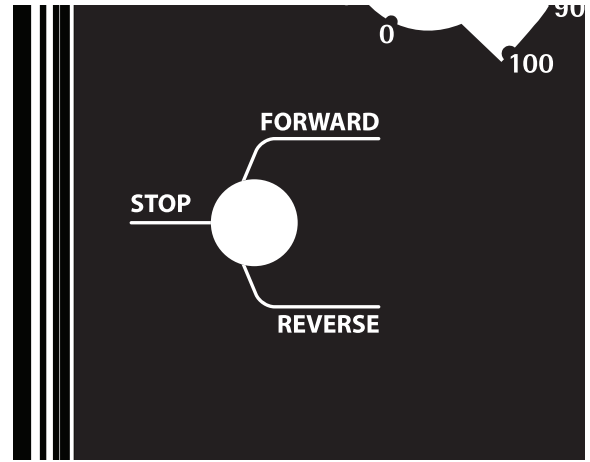


Operation

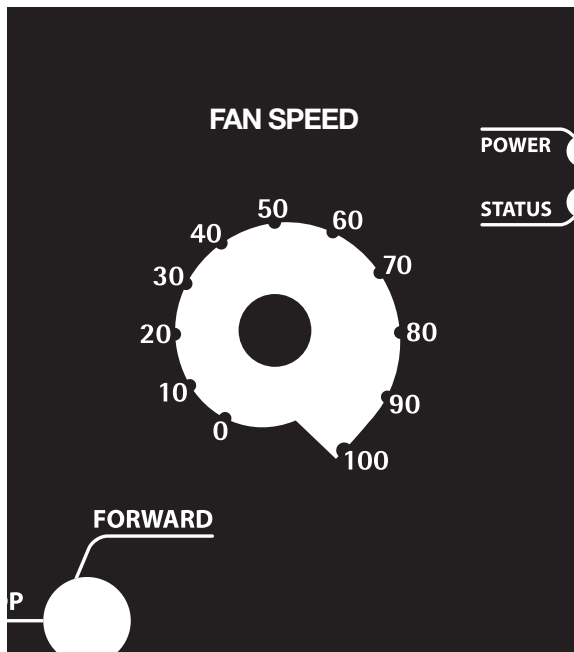
1 Turn the VFD on



2 Select forward direction for cooling or reverse for destratification (heating)



3 Adjust the speed dial to control how fast the fan rotates



Maintenance – Care and Cleaning

Guy Wire Check (if applicable): Checking a fan's guy wires for tension and inspecting for frayed sections could mitigate a problem before it occurs. The guy wires should be under enough tension to prevent any movement in the motor unit or the extension tube. If the motor can be moved by pushing on it, the guy wires need to be tightened. Fan owners should confirm that the guy wires are not wrapped around any sharp edges. We recommend attaching guy wires to the building with eye bolts or eye lags. If they are not already installed with eye bolts or lags, we urge fan owners to install these in order to help keep the guy wires from fraying. If guy wires are installed with turnbuckles, jam nuts should periodically be checked to ensure tightness. If they are loose, the guy wire cables may need to be re-tensioned.

Airfoil Cleaning: Depending on the type of commercial application the fan is in, there can be quite a bit of dust or other particulates that cling to the fan's airfoils. While this may not affect fan performance, we recommend fan owners keep airfoils clean by having a maintenance person or skilled trade professional – who has experience using a lift – wipe the fan airfoils with a rag or sponge using hot water or regular cleaning solutions. Please do not use chlorine or any chemicals containing chlorine.

Safety Cable Check: Each fan comes with a safety cable. Depending on the fan model, the safety cable either wraps around the building structure and the fan frame, or comes out of the top of the fan and wraps around the building structure. The safety cable is an important part of the safety system and acts as a last resort should an earthquake, collision, or similar catastrophic event occur. As such, it's vital for fan owners to ensure that it is intact and properly secured.

Reverse Operation: Changing the direction of your fan can put initial stress on the fan if it has not been properly checked. It is a good idea to make sure guy wires, safety cables and all bolts and nuts are tight. Cleaning the fan before switching directions will prevent dust and other particles from falling off the fan airfoils when turning in the opposite direction.

Maintenance Plan:

Things to look for include: properly torqued fasteners, rust, cracked welds, unusual noise, hub migration/movement, guy wire loosening or movement.

Year 1-10:

One inspection on lift per year.

Year 11 and beyond:

Annual inspections from a lift and seasonal inspections both before and after the busy season from the ground.

NOTE: If there are issues or concern discovered during an inspection, please contact the service and Commercial Electric Customer Service for help.

Troubleshooting

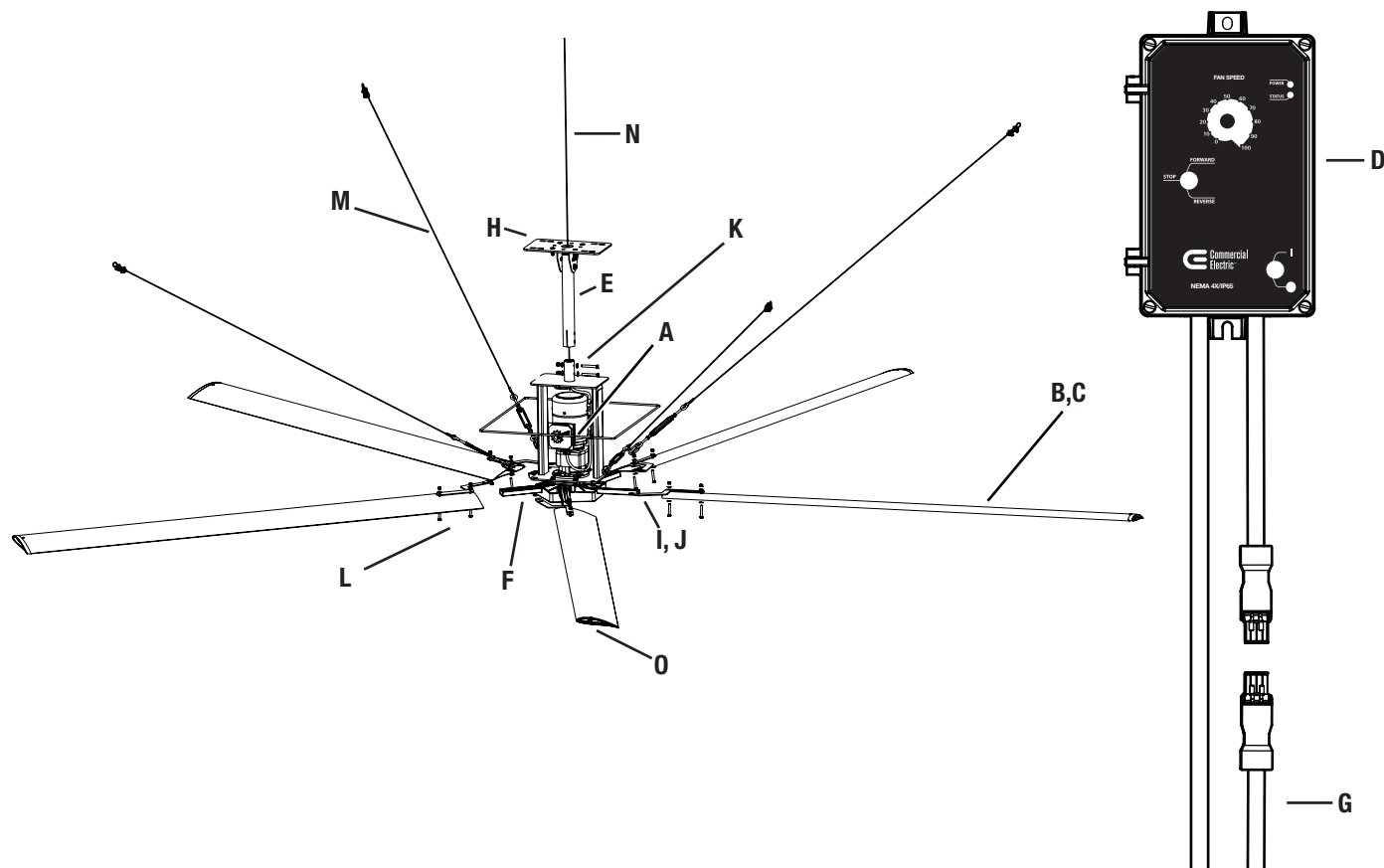
Please refer to the table below if you experience issues with the fan operation.

Symptoms	Possible Solution
The fan is not turning and the lights on the VFD are lit.	Unplug the VFD from the wall for 30 seconds and plug it back in. Ensure that the VFD is properly connected to the motor.
The fan is not turning and the lights on the VFD are NOT lit.	Confirm the VFD is plugged into the wall and confirm that there is power coming from the building.
The fan is making a loud “clicking” noise.	Ensure that the anti-seize was properly applied to every blade strut.
The fan is operating noisily.	Confirm that there is nothing interfering with any moving parts.
The fan is wobbling.	Confirm that the fan is level and the guy wires are properly installed and tightened.

If your issue cannot be resolved using the table above, please call Commercial Electric Customer Service: 1-877-527-0313.

Service Parts

MODEL TYPE



Part	Description	Quantity
A	Complete Power Unit	1
B	15' Diameter Blade (78 3/4")	1
C	15' Diameter Blade Set of 5 (78 3/4")	1
D	VFD	1
E	Extension	1
F	Blade Strut	5
G	50' Motor Cable	1
H	Mount	1

Part	Description	Quantity
I	Retainer Links	1
J	Retainer Links Set of 5	1
K	Mount Bolt Kit	1
L	Blade Bolt Kit	1
M	Guy Wire Kit	1
N	Safety Cable Kit	1
O	End cap	1



Questions, problems, missing parts? Before returning to the store,
call Commercial Electric Customer Service
8 a.m. - 7 p.m., EST, Monday-Friday, 9 a.m. - 6 p.m., EST, Saturday

1-877-527-0313

HOMEDEPOT.COM

Retain this manual for future use.