



## **Superfan Variable Frequency Drives BLDC Drives Fan**



# **VersaDrives Superfan Variable Frequency Drives BLDC Drives Fan User Manual**

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**VersaDrives Superfan Variable Frequency Drives BLDC Drives Fan**

**Specifications:**

- Model: D20UM1005-Rev C
- Energy Efficiency: Super Energy Efficient
- Manufacturer: VERSA DRIVES PRIVATE LIMITED
- Features: Wellness Mode, Eco Mode, AC Mix Mode, Remote Control (model specific)

**Product Usage Instructions****Installation Instructions:**

1. Ensure the power to the fan/fan terminal is OFF.
2. Electrical wiring should be done by a qualified electrician.
3. Follow the minimum clearances provided in the figure during installation.

**Blade Installation:**

1. Place all items on a clean, soft surface.
2. Mount blades to the motor using screws and washers, ensuring they are tightened sufficiently.
3. Avoid letting the fan rest on the blades to prevent deformation.

**Downrod Assembly:**

1. Secure the downrod onto the shaft using bolts, washers, and nuts.
2. Insert the cotter pin through the bolt hole and bend its ends to fasten it.

**Wire Connection:**

1. Insert phase and neutral wires through the top of the downrod and connect them to the terminal block.
2. Insert the safety rope through the downrod and pull it out from the top.

### Ceiling Hook and Canopy Installation:

1. Fix the shackle kit in the ceiling hook securely.
2. Insert the bottom canopy through the downrod and place the canopy holder on top.
3. Insert the top canopy through the downrod until it is obstructed by the bottom canopy.

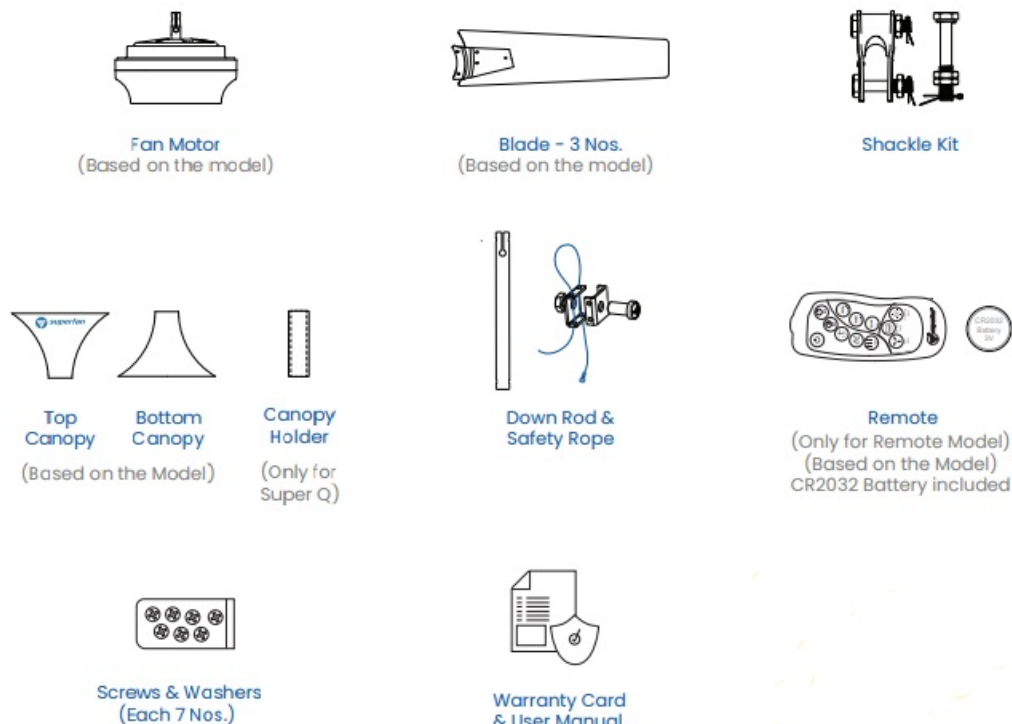
### FAQ

- **Q: Do I need to bypass the regulator connections while installing Superfan?**
  - A: Yes, except for Caution regulator models, it is recommended to bypass the regulator connections.
- **Q: What should I do before opening the carton box of Superfan?**
  - A: Match the model number printed on the fan motor box and blade box. Do not interchange blades and fan motors between different models.
- **Q: How should I connect the phase and neutral wires during installation?**
  - A: Insert them through the top of the downrod, pull them out of the slit, and connect them to the terminal block.

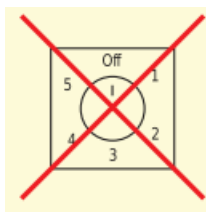
Thank you for choosing Superfan! You are now a part of Superfan's mission to reduce 10000 MW of electricity demand due to ceiling fans!

VERSA DRIVES PRIVATE LIMITED

### LIST OF ITEMS IN THE BOX



Before opening the carton box of your Superfan, please match the model number printed on the fan motor box and the blade box. Please do not interchange the blade and the fan motor of one model with other models.



### Caution

Don't connect the regulator

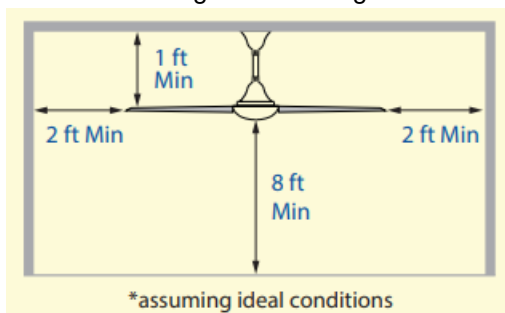
Please bypass the regulator connections while installing the Superfan (except for the regulator model).

## INSTALLATION INSTRUCTIONS

Please read these instructions carefully before handling your Superfan:

- Always ensure that the power to the fan/fan terminal is OFF and is safe to work. Take precautionary steps to the avoid power being restored to the terminal accidentally.
- Electrical wiring to the terminal must be done by a qualified electrician only

Please install the fan with the minimum clearances given in the figure below to avoid performance loss



### Installation Instruction

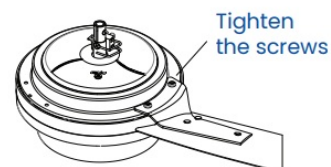
1. Remove all the items from the box and gently place them on a clean, soft surface. The blades must be carefully handled to avoid deformation resulting in less-than-optimal performance. Hold the motor in a stable position with the shaft pointing upwards.
2. Mount the blades to the motor using the screws and spring washers. Tighten the screws sufficiently. Do not let the fan rest on the blades to avoid deformation.

Note: 60 inches may need the motor to be rested on a raised platform to avoid the fan resting on the blade.

1

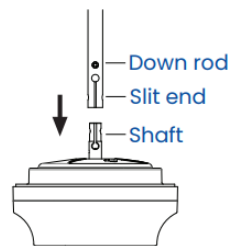


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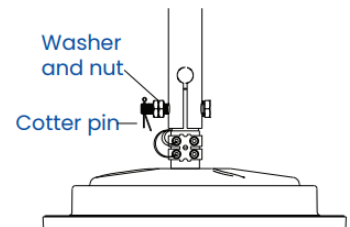


3. Fix the slit end of the downrod tightly onto the shaft using the bolt, washers, spring washers, and nuts.
4. Insert the cotter pin through the bolt hole and bend its ends to fasten it.

3

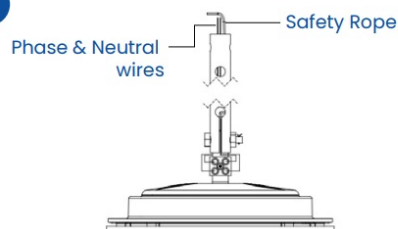


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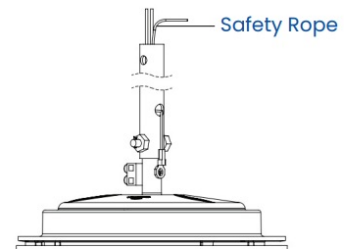


5. Insert the phase wire (usually red) and the neutral wire (usually black) through top of the downrod. Pull them out of the slit and connect them to the terminal block.
6. Insert the free end of the safety rope through the hole in the downrod that is free from wires. Push the safety rope through the downrod and pull it out from the downrod at the top.

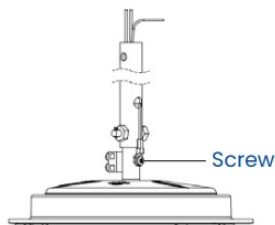
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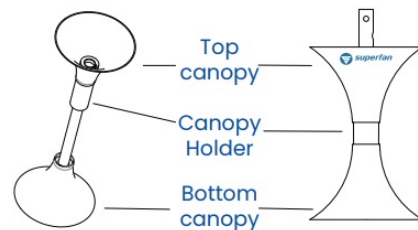
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7. Unscrew the M4 screw & screw it once again, along with the lug in the safety rope.
8. Insert the bottom canopy (one without the logo) through the downrod. Place the canopy holder on top of the bottom canopy such that it rests on the inner step of the canopy. Now insert the top canopy (one with the logo) through the downrod and pull it down through the canopy holder until it is obstructed by the bottom canopy. The top of the downrod must be visible as shown in the figure.

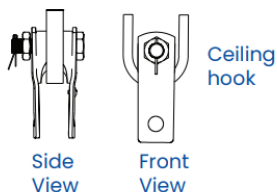


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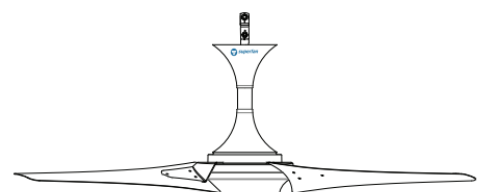


9. Fix the shackle kit in the ceiling hook. Ensure the tightness of the shackle nut so that the rubber support holds the clamp in the ceiling firmly.
10. Fix the fan assembly onto the shackle using bolt, washer, spring washer, nuts and ensure tightness. Put the cotter pin into the bolt hole and bend its two ends apart to lock

9

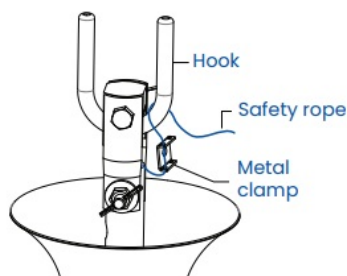


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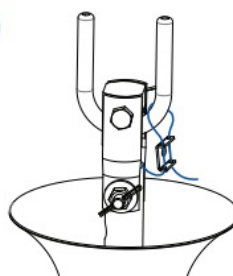


11. After the fan is secured by the shackle kit, pass the safety rope through one pair of holes in one piece of the metal clamp as shown in the figure.
12. Loop through the ceiling hook and pass the free end through the other pair of holes in the same piece of the metal clamp. Leave a slack on the loop so the fan is not supported by the safety rope alone
13. Fasten the other piece of the metal clamp onto the looped piece using the screw and nut to secure the safety rope. Fold the free end of the safety rope back into the downrod from the top and raise the canopy to the ceiling.

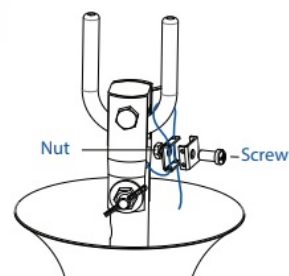
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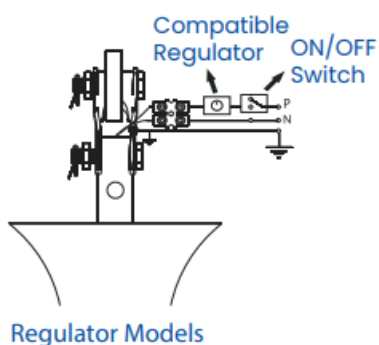


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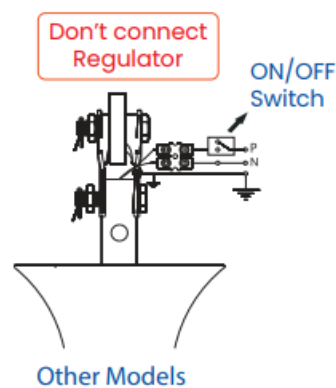


14. Connect the Phase and Neutral wires coming out from the downrod to the ceiling rose. Connect (Green/Yellow) mains earth wire to the screw marked as on the Shackle kit

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Regulator Models



Other Models

Note: Adjust the canopies such that the top canopy covers the shackle assembly near the ceiling and the bottom canopy covers the terminal block connector of the fan. Canopy touching the fan motor will lead to rubbing noise. Safety rope holds the fan temporarily to the ceiling hook during the primary suspension system's failure. The failure may occur due to improper installation, material failure, improper ceiling, etc. In case of primary suspension system failure, turn OFF the fan and secure the ceiling fan

#### All models:

- Rated Input Voltage (VAC): 230, 1 Ph
- Input Voltage Range (VAC): 160 to 265
- Rated Frequency (Hz): 48 to 52
- Power Factor : >0.9
- Remote Battery: Lithium Coin Battery 3V (CR2032) or Equivalent

Scan the QR code for additional information, remote functions, installation procedures, troubleshooting and maintenance procedures

- [www.superfan.in/usermanual](http://www.superfan.in/usermanual)



## WARRANTY CONDITIONS

VDPL guarantees to the purchaser that this product carries a limited warranty for three years, commencing from the date of purchase. In case of product registration, two years extended warranty will be provided in addition to three years (hence a total of five years warranty). Register the product online at [www.superfan.in](http://www.superfan.in) or scan the QR code given or send SMS to +91 94890 78737 with the serial numbers & bill date of the products purchased



## CONTACT US

If you require assistance, please contact us.

- Toll-free No : 1800 425 78737
- E-mail: [superfan@superfan.in](mailto:superfan@superfan.in)
- [www.superfan.in](http://www.superfan.in)

## COIMBATORE Home of Superfan

Coimbatore city is the third-largest urban agglomeration in the state of Tamilnadu, India. It is situated at the banks of the Noyyal River surrounded by the Western Ghats. The recorded history of the region can be dated back to the 1st century AD Sangam period as a part of a region ruled by the famous Chera dynasty. Through the ages, the area was known as Kongu Nadu and it passed through many famous rulers of the region like Cholas, Vijayanagar Empire, Nayaks, and Tipu Sultan. After the defeat of Tipu Sultan, the region was brought under Madras Presidency by the British, forming a district with Coimbatore as the capital. There was a surge in the cotton industry in the region in the 1930s, which made the region an important economic hub and prompted rapid industrialization, especially in textiles and manufacturing. Today, Coimbatore is known for its premier manufacturing, education, and healthcare institutions and innovations in pumps, wet grinders, fans. The city is surrounded by scenic nature reserves, water bodies, and hills, with popular places like Ooty, and Siruvani. Due to its long history, Coimbatore has a distinct Tamil dialect, cuisine, and culture.

## FAN REINVENTED





## Documents / Resources



**VersaDrives Superfan Variable Frequency Drives BLDC Drives Fan** [pdf] User Manual  
D20UM1005-Rev C, D20UM1005, Superfan Variable Frequency Drives BLDC Drives Fan, Superfan, Variable Frequency Drives BLDC Drives Fan, Frequency Drives BLDC Drives Fan, Drives BLDC Drives Fan, BLDC Drives Fan, Drives Fan

## References

- **User Manual**

[Manuals+](#), [Privacy Policy](#)

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