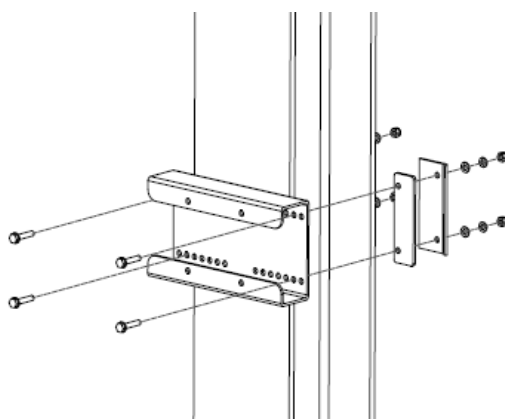
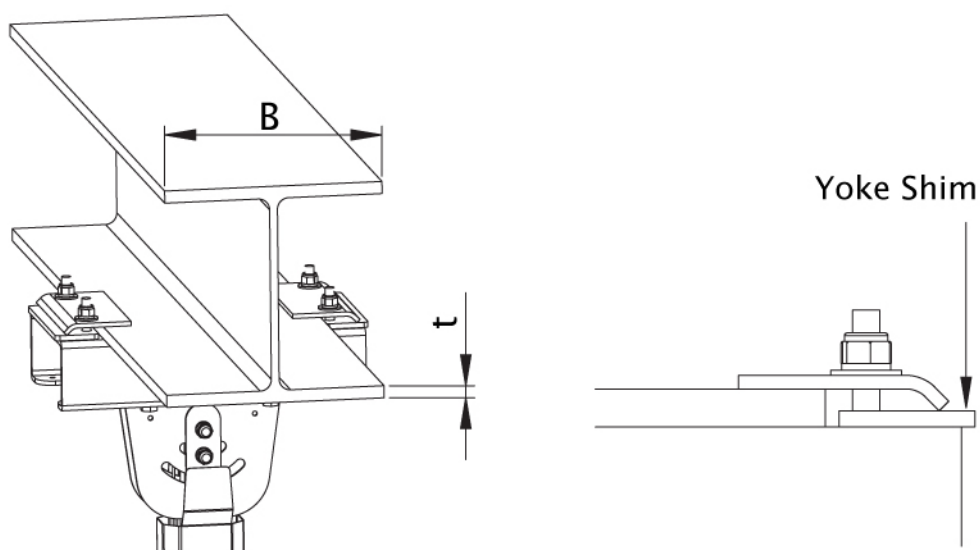


I beam

The yoke to I-beam for this Wall mount fan is attached in our product. The yoke only can be used within the width of 100-300 mm (B) and thickness of 20 mm I-beam. Within the thickness of 14 mm (t), the yoke only need to use 1 yoke shim. The thickness of 14-20 mm (t), the yoke need 2 shims. We do NOT suggest installing the wall mount Fan on the fabricated I-beam, please consult with the structural engineer to make sure your building is approved for fan installation.



Place the yoke into proper position and secure it to the I-beam with bolt kits.

*Recommended Tightening Torque :
24 N.m (240 Kgf.cm).

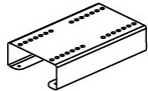

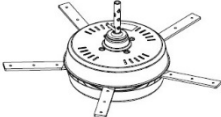






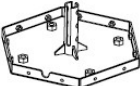


M10 35L Bolt Kit










4 4 4 4










Packing Contents

Main Box

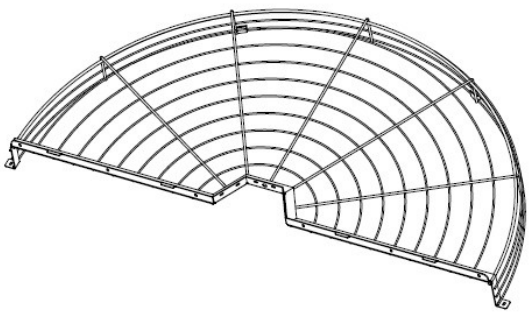
			
Yoke *1	Fixed angle mount bracket *2	Motor *1	Panel *1
			
Long extension tube *1	Short extension tube *1	Yoke shim *4	Yoke clamp *2
			
Hanger spacer *2	Rear cover *1	Front cover *1	
			
Airfoil *5			

Bolt kit set and accessories

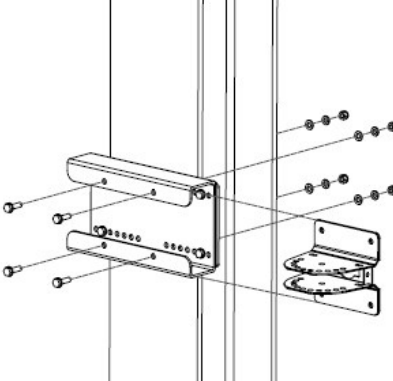

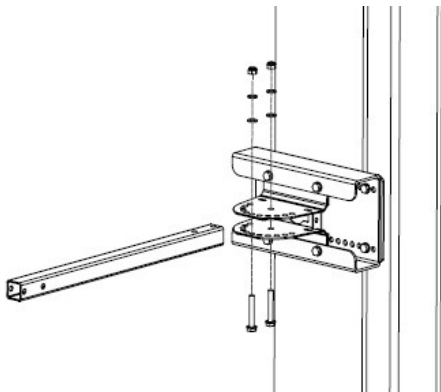

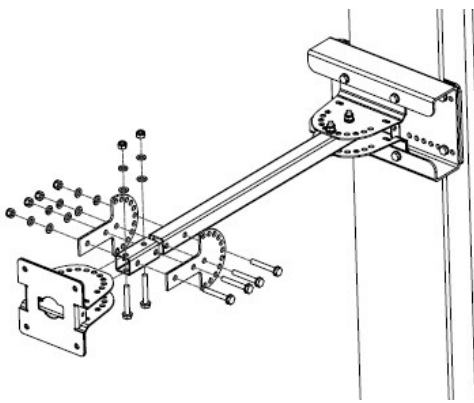

			
Safety cable *2	Winglet *5	Ferrite bead clamp *1	Earth wire *1
			
Wire rope clamp *24	Turnbuckle *6	Beam clamp set *6	

 4 4 4 4	 8 4 4 4	 8 8 8 8	 3 3 3 3
M10 50L bolt kit	M10 35L bolt kit	M10 70L bolt kit	M8 40L bolt kit
 24	 20 20 20 20	 20 20 20 20	 6
M6 16L bolt kit	M6 25L bolt kit	M6 35L bolt kit	M4 10L bolt kit
 1			
M12 25L bolt kit			

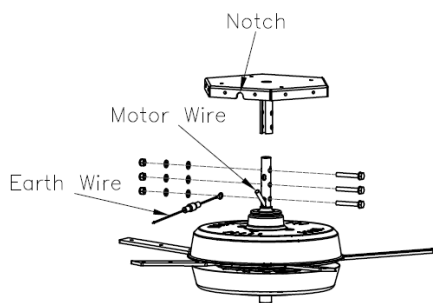
Cage

	Cage*4
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Installation Manual

	<p>1-1 Please refer to the installation overview for the yoke installation.</p> <p>1-2 Slide the fixed angle mount bracket parallel to the yoke, and secure the fixed angle mount bracket into the yoke.</p> <p>* Recommended Tightening Torque 24 Nm (240 Kgf.cm)</p> <p>M10 35L bolt kit</p>  <p>4 4 4 4</p>
	<p>2-1 Adjust the long extension tube at an appropriate angle and secure it.</p> <p>* Recommended Tightening Torque: 24 Nm (240 Kgf.cm)</p> <p>M10 70L bolt kit</p>  <p>2 2 2 2</p>
	<p>3-1 Adjust the long extension tube, short extension tube and hanger spacer at an appropriate angle and secure them.</p> <p>* Recommended Tightening Torque: 24 Nm (240 Kgf.cm)</p> <p>M10 70L bolt kit</p>  <p>6 6 6 6</p>

Installation Notes



4-1 Secure the motor, earth wire into the rear cover. The earth wire secure position is shown in the picture, please process this step on the ground.

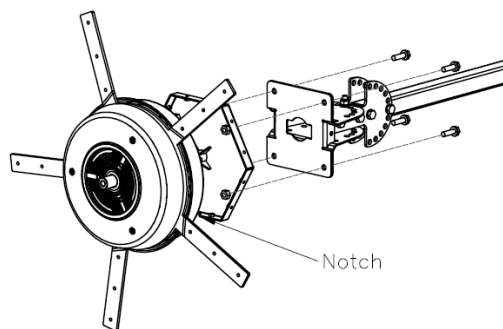
4-2 Please note that the notch faces the motor wire, as shown in the picture.

*** Recommended Tightening Torque:
12 Nm (120 Kgf.cm)**

M8 40L bolt kit



3 3 3 3



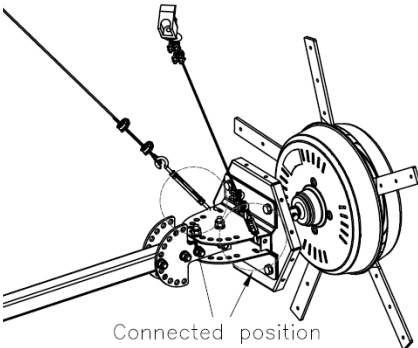
5-1 Secure the rear cover and the hanger spacer with the notch facing down

*** Recommended Tightening Torque:
24 Nm (240 Kgf.cm)**

M10 35L bolt kit







4



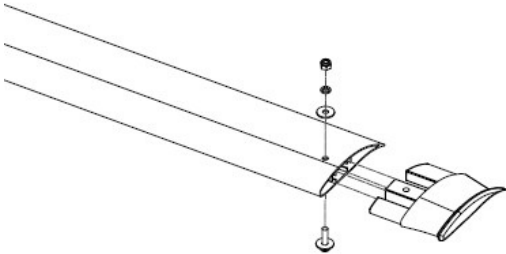
Connected position

6-1 Secure two safety cables with fixed angle mount bracket and tighten up

*** Recommended Tightening torque, cable clamp 5 Nm (50 Kgf.cm), Beam clamp set 24 Nm (240 Kgf.cm)**

Safety cable	Wire rope clamp
	
2	8
Turnbuckle	Beam clamp set
	
2	2

Installation Notes







Connected position

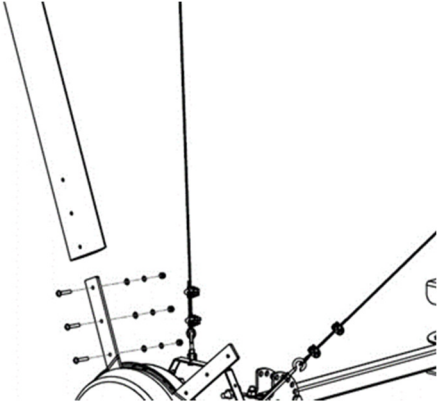

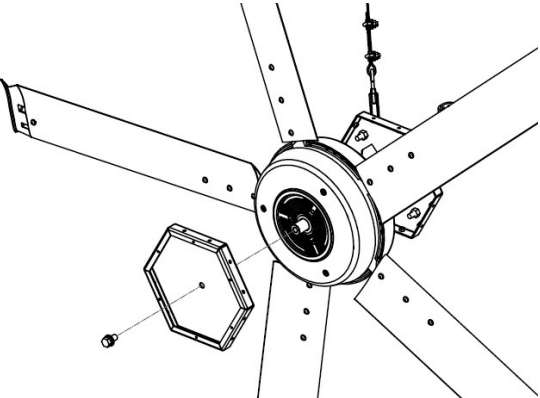

7-1 Insert the winglet into the airfoil then tighten up. The nut should be secured above the convex side of the airfoil. (Please process this step on the ground).

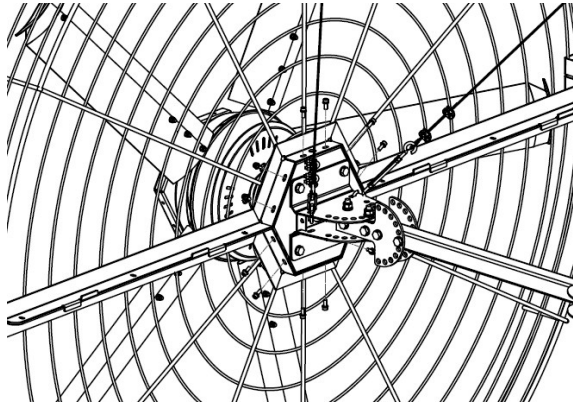
*** Recommended Tightening Torque: 5 Nm (50 Kgf.cm)**

M6 35L bolt kit

5
5
5
5

	<p>8-1 Insert the airfoil into the airfoil strut and tighten up with the bolt kit.</p> <p>8-2 After completing all airfoils installation, please turn on the fan and make sure with customers if the fan performance of this angle of the wall mount fan is acceptable. If not, installation technician need to adjust the angle of the fan for customer's acceptance.</p> <p>* Recommended Tightening Torque: 5 Nm (50 Kgf.cm)</p> <p>M6 35L bolt kit</p>  <p>15 15 15 15</p>
	<p>9-1 Secure the front cover with the motor.</p> <p>* Recommended Tightening Torque: 42 Nm (420 Kgf.cm)</p> <p>M12 25L bolt kit</p>  <p>1</p>



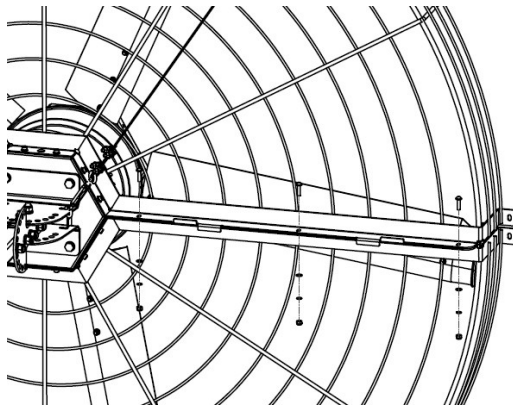
10-1 Secure the cage with the rear cover

*** Recommended Tightening Torque:**
5 Nm (50 Kgf.cm)

M6 16L bolt kit



12



11-1 Secure each cages and tighten up with the bolt kit.

*** Recommended Tightening Torque:**
5 Nm (50 Kgf.cm)

M6 25L bolt kit



6



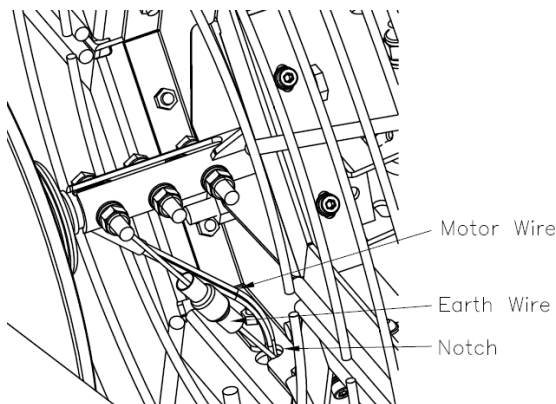
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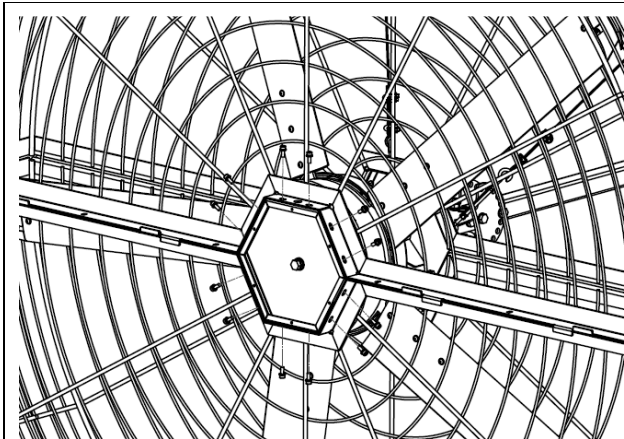
6



6



12-1 Connect the earth wire and the motor wire (U, V, W) through the notch and extend the connection to the electrical box. For waterproofing purposes, please use the waterproof joint.



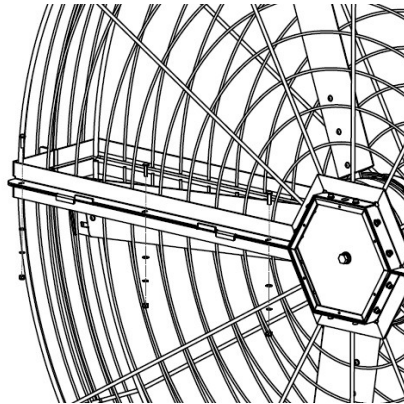
13-1 Secure the cage with the front cover and tighten up with the bolt kit.

*** Recommended Tightening Torque:
5 Nm (50 Kgf.cm)**

M6 16L bolt kit



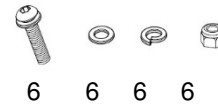
12



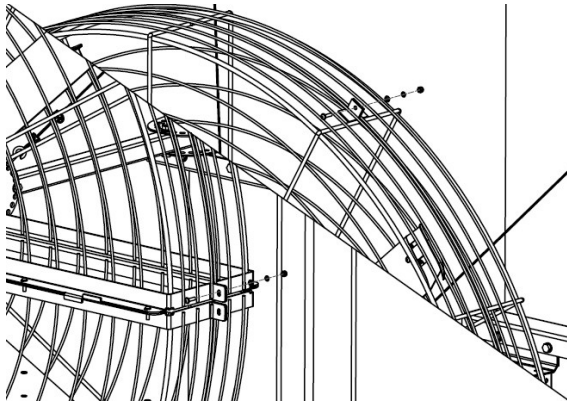
14-1 Secure each cages and tighten up with the bolt kit.

* **Recommended Tightening Torque:**
5 Nm (50 Kgf.cm)

M6 25L bolt kit



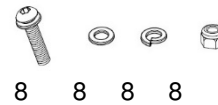
6 6 6 6



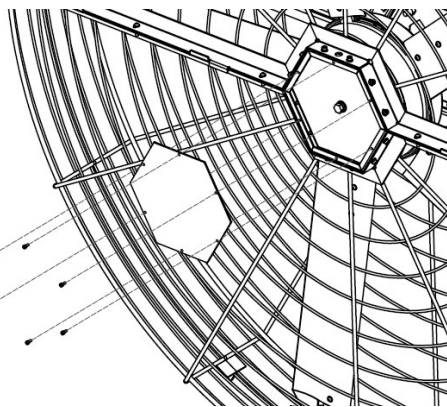
15-1 Secure each cages and tighten up with the bolt kit.

* **Recommended Tightening Torque:**
5 Nm (50 Kgf.cm)

M6 25L bolt kit



8 8 8 8



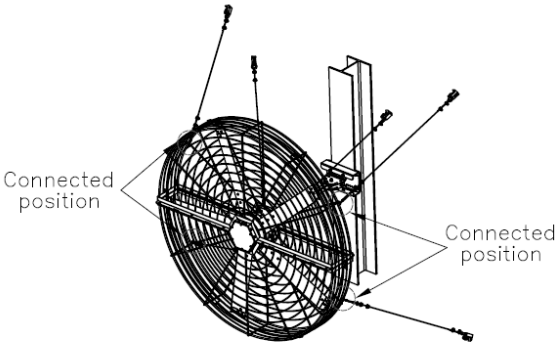












16-1 Secure the panel with the front cover and tighten up with the bolt kit.

* **Recommended Tightening Torque:** 0.45 Nm (4.5 Kgf.cm)

M4 10L bolt kit



6

	<p>17-1 Prepare 4 guy wires with Ø4mm when installation (The technician needs to prepare the guy wires and tailor them according to the field situation).</p> <p>17-2 Secure the 4 guy wires with the cage (The technician needs to be adjust the quantity of guy wires according to the field situation).</p> <p>* Recommended Tightening Torque, Wire rope clamp 5 Nm (50 Kgf.cm), Beam Clamp set 24 Nm (240 Kgf.cm)</p> <table> <tr> <td data-bbox="938 720 1089 751">Safety cable</td><td data-bbox="1149 720 1333 751">Wire rope clamp</td></tr> <tr> <td data-bbox="954 762 1057 835"></td><td data-bbox="1214 772 1268 835"></td></tr> <tr> <td data-bbox="1003 888 1019 919">4</td><td data-bbox="1222 888 1255 919">16</td></tr> <tr> <td data-bbox="946 940 1073 972">Turnbuckle</td><td data-bbox="1190 940 1333 1003">Beam clamp set</td></tr> <tr> <td data-bbox="963 972 1057 1056"></td><td data-bbox="1214 1014 1255 1077"></td></tr> <tr> <td data-bbox="1003 1140 1019 1171">4</td><td data-bbox="1230 1140 1247 1171">4</td></tr> </table>	Safety cable	Wire rope clamp			4	16	Turnbuckle	Beam clamp set			4	4
Safety cable	Wire rope clamp												
													
4	16												
Turnbuckle	Beam clamp set												
													
4	4												

Installation Notes

Wall Fan Connection

Warning

- To avoid the risk of electric shock, please make sure that the wiring is in good electrical condition and all electricity supply should be disconnected. Above wiring should be implemented by a qualified electrician.
- To avoid the risk of electric shock, please make sure that all wires are insulated properly before the fan is turn on.
- Wall mount Fan warranty will not cover the equipment damage or failure caused by improper installation.
- Wall mount Fan installation should follow national electrical code and standard.

Power Requirements

This appliance connecting to AC single phase 220–240 V. Please see the voltage sticker on this Wall mount fan, avoid any voltage transform in case of danger/damage during installation.

Airfoil Dimension	Input conditions	Rated current
2 m	100-240 V~ 50/60 Hz 1 Ø	5.13A/2.3A

Power wire color

Earth wire (E or PE)	Live (L or L1)	Neutral (N or L2)
Green	White	Black

Motor wire color

Earth wire (E or PE)	U	V	W
Green connect to Electrical Box	Green	White	Black

Recommended Wire Specification

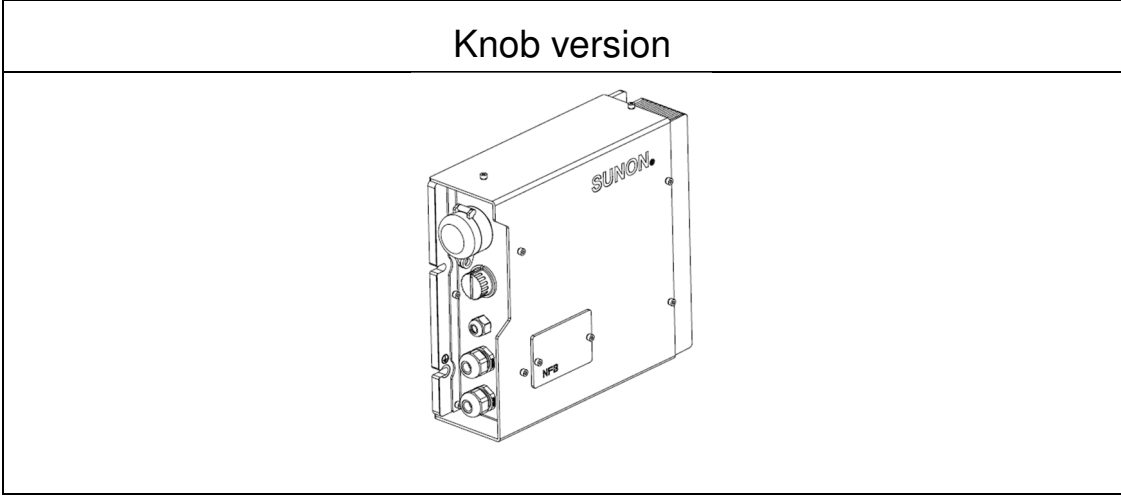
The minimum specification for the motor wire is PVC covered, single PVC insulated wire 2.0mm² / 4 core.

The minimum specification for the power wire is PVC covered, single PVC insulated wire 2.0mm² / 3 core.

Installation Notes

Electrical box

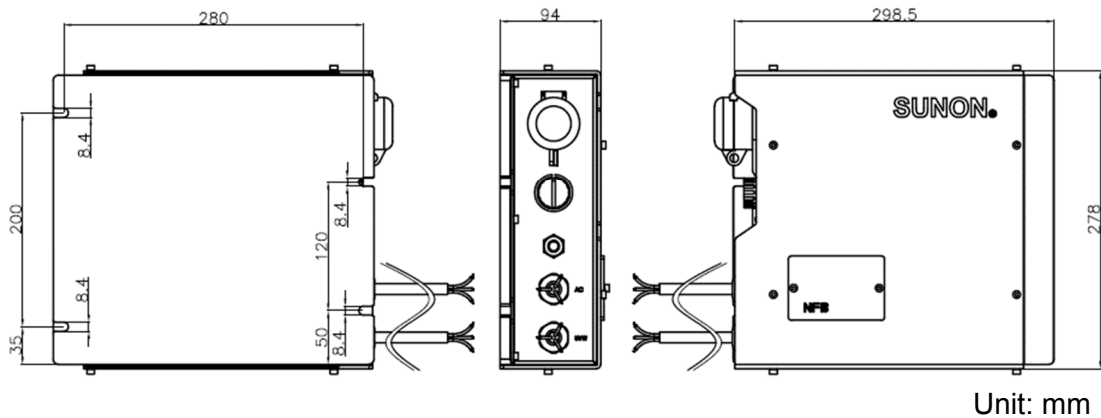
Control mode



Installation Instructions

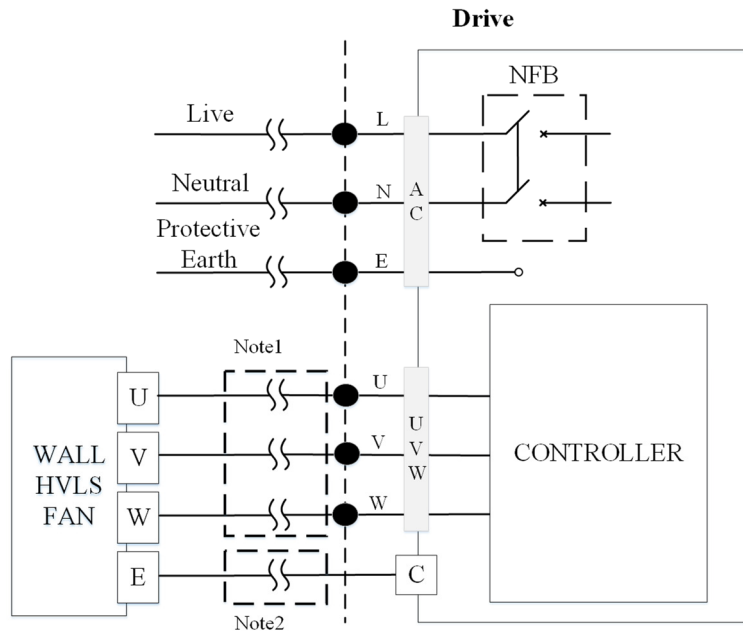
1. Install the electrical box in a location where authorized personnel can operate it.
2. Electrical box should be installed in a safe area to avoid unintentional damage.
3. When installing the electrical box, make sure that the opening direction of the panel is to the left, and does not interfere with the operation of the Electrical box.
4. Ensure the body of the Electrical box is securely mounted at the selected location.
5. Before installing or repairing the electrical box (and wall mount fan), ensure the breaker power distribution switches off.
6. Do not install the electrical box outdoors or in a damp place that may be near water.

Electical Box Dimension



Installation Notes

Wiring diagram



C : Drive Case

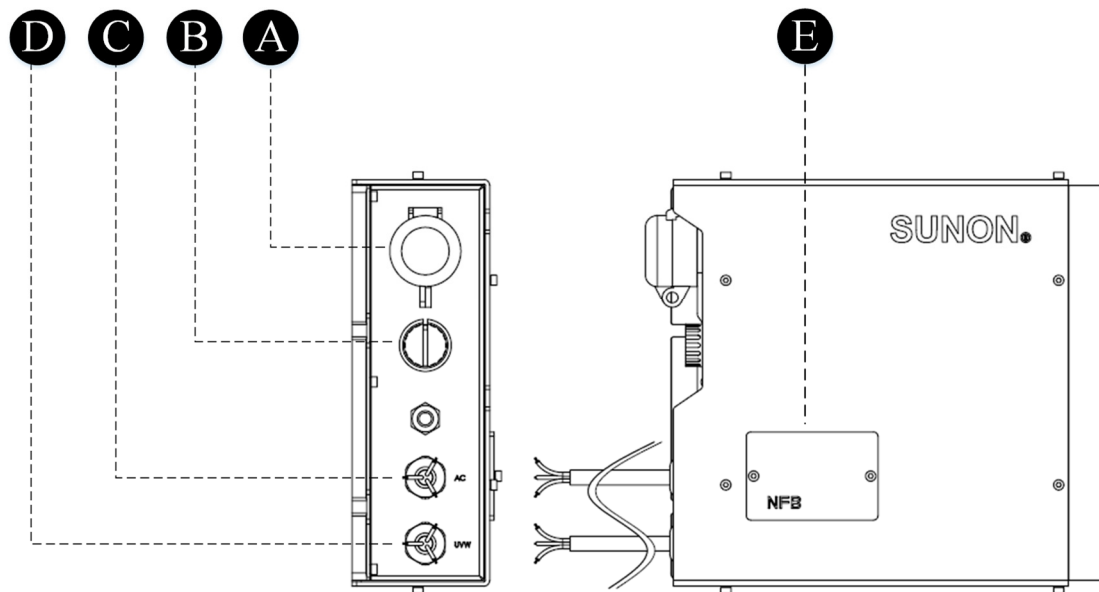
Note 1: The length should not exceed 30M to avoid poor performance.

Note 2: The motor earth wire must be connected to the earth terminal on the J BOX to avoid high frequency electrical noise from the building wiring

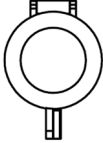
Installation Notes

Electrical Box (Knob)


Panel Description




A. Power switch

Name	Status	Function	
OFF	Input	Power off	
ON	Input	Green light is on when the power is on	


B. Speed Control

Name	Status	Function	
Max	Input	Speed up	
Min	Input	Speed down	

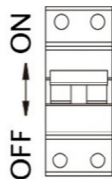
C. Power wire

Name	Status	Function	
L(White)	Input	Connect to the AC mains (Live)	
N (Black)	Input	Connect to the AC mains (Neutral)	
PE(Green)	-	Connect to the AC mains (PE)	

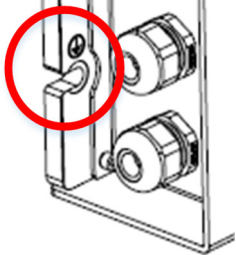

D. Motor control wire

Name	Status	Function	
U(Green)	Output	Connect to brown wire from the motor.	
V(White)	Output	Connect to black wire from the motor	
W(Black)	Output	Connect to red wire form the motor	

E. Breaker

Name	Status	Function	
ON	Input	Power ON	
OFF	Input	Power OFF	

Electrical box enclosure

Name	Status	Function	
 PE	-	Protective earth	