

# Operation Instructions

## General

All figures herein are an exploded view in order to explain the installation and operation of the product. Please operate the product in strict accordance with this Operation Instructions.

### ► Electric shock

Non-professionals are not allowed to repair, inspect or replace any part of the product in order to prevent electric shock.

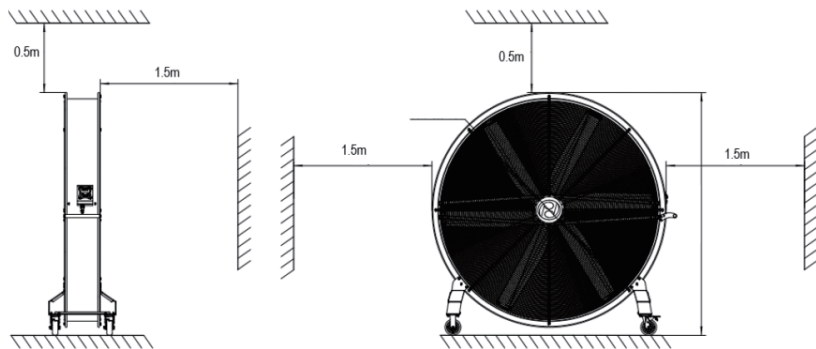
### ► Warning

Please make sure whether there is any obstacle in the air collector and whether the rotation direction is correct. The large mobile fan shall not operate in harsh environments, such as freezing, corrosive and explosive environments or environment with excessive dusty-gas concentration.

► As most parts of the fan have been assembled in the factory, the user only needs to install the castor brackets and castors after receiving the product.

### ► Operating Environment Requirements of HDY PM VFD Large Mobile Fan

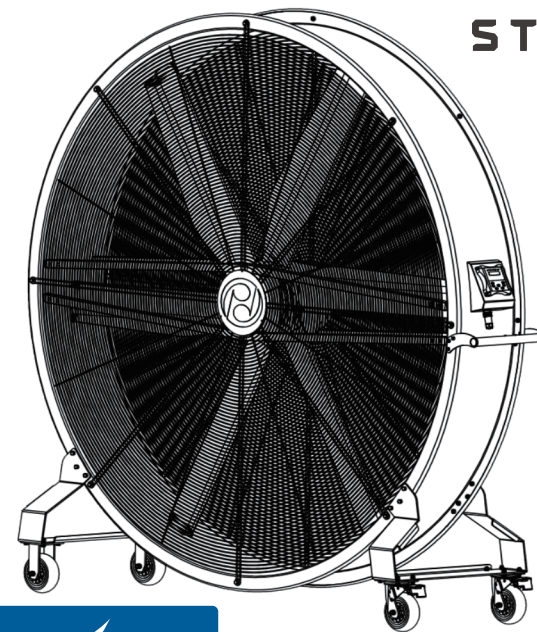
As the large mobile fan has a large air volume, the air inlet shall be as wide as possible; otherwise it may reduce the air volume.



Attention: It will affect the air circulation and reduce the air volume if the space around the fan is too narrow.

## Parameters of SMC PM VFD Large Mobile Fan

Model	Diameter (M)	Voltage Frequency (v/hz)	Power (W)	Rotating Speed (rpm)	Air Speed (m/s)	Airflow (m3/h)	Noise (dB)	Coverage Area (m2)
SMC-2	2	120/60	1000	≤300	1-5.5	80000	39	260
SMC-1.5	1.5	120/60	750	≤420	1-6.5	55000	39	150
SMC-1.2	1.2	120/60	550	≤600	1-7	30000	39	80

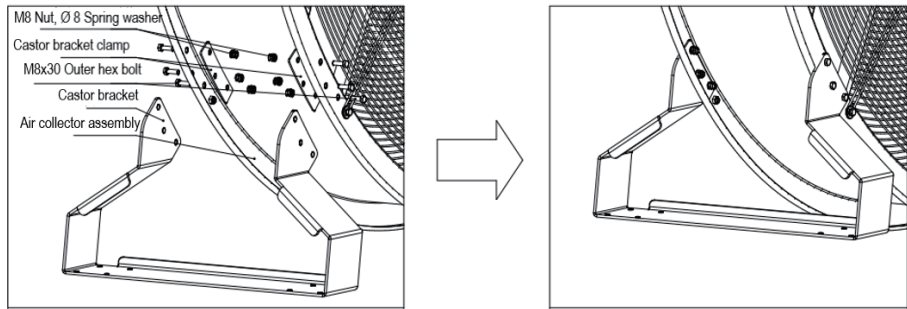
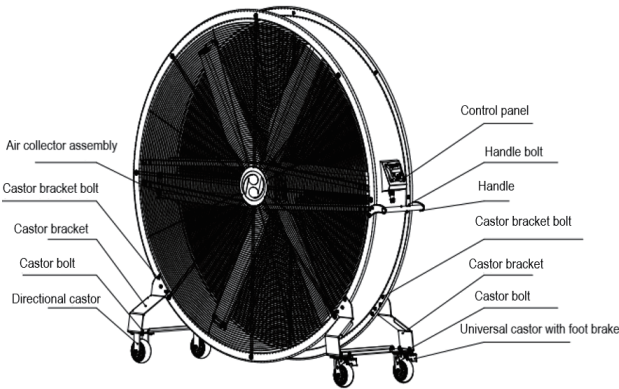


## THE PM VFD MOVABLE FAN

Product maintain  
guarantee service card

Product model			
Product No.		Purchase date	
User name		User phone	
User address			
User Suggestions			
Repair Record	Repaired by:		
	Repaired on:		

Installation of SMC PM VFD  
Large Mobile Fan

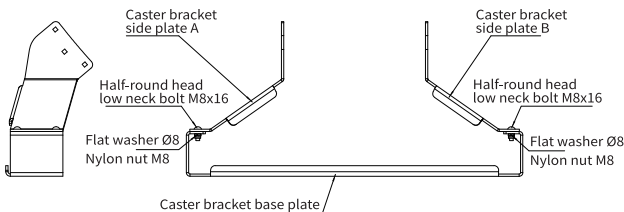


Attention: The castor bracket shall be installed symmetrically on both sides and the bottom on both sides shall be horizontal.

2.Assembly of Caster Brackets

Accessories:

Name	Qty.
Caster bracket side plate A	2
Caster bracket side plate B	2
Caster bracket base plate	2
Square neck bolt M8*25	8
Flat washer Ø8	8
Nylon nut M8	8

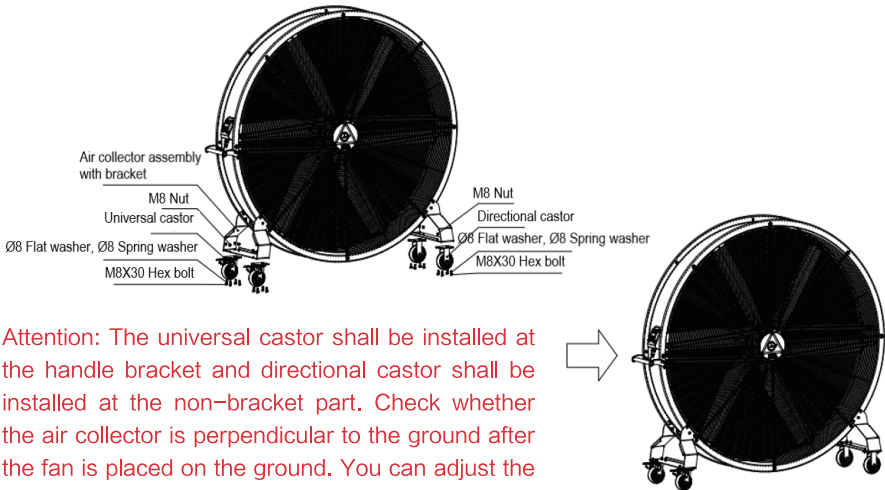


1.Installation of  
Left and Right  
Castor Brackets  
Accessories:

Name	Qty.
Castor bracket	2
Castor bracket clamp	2
M8×30 Outer hex bolt	12
<b>Tools</b>	
14mm Wrench	1
13mm Wrench	1

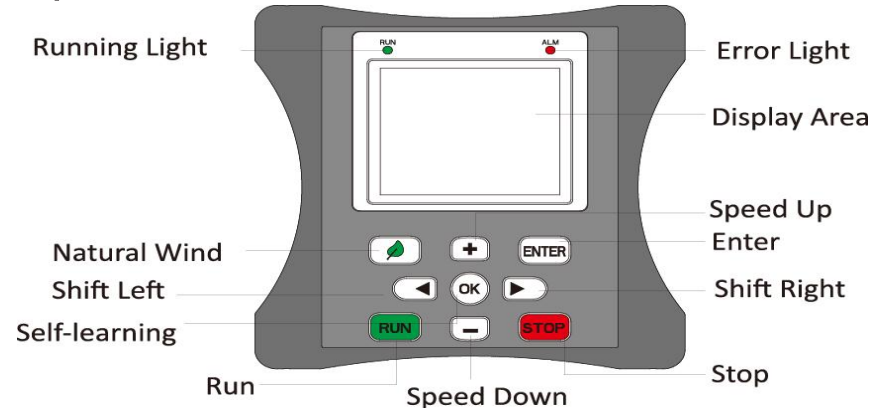
3.Installation of Castor  
Accessories:

Name	Qty.	Name	Qty.	Tools	Qty.
Directional castor	2	Ø8 Flat washer	16	M8 Nut	16
Universal castor with foot brake	2	Ø8 Spring washer	16	14mm Wrench	1
M8X30 Outer hex bolt	16	Air collector assembly with bracket	1	13mm Wrench	1



Attention: The universal castor shall be installed at the handle bracket and directional castor shall be installed at the non-bracket part. Check whether the air collector is perpendicular to the ground after the fan is placed on the ground. You can adjust the perpendicularity by loosening the screws on the castor bracket.

4.Operation of Control Panel



Attention: Do not touch the plug post within 15s after the power plug is removed. The inverter power needs to be discharged for 15s.