



SINCE 1950

# ALASKA

## PM2.5 Purifying Ventilation Fan VTF-200 / VTF-350





Please read this manual thoroughly before using and save it for future reference.

Operation Manual with Warranty Card





### Safety Instructions

- Before using this product, please read the safety instructions and follow all those regular safety precautions.





To prevent the user or others from being harmed and to avoid property damage, the following instructions must be followed.

<p>■ If ignore the pattern and use the incorrect method to cause in danger or loss, please refer to below description.</p>	<p>■ Please follow the description by the pattern as below.</p>
<p> <b>Warning</b> The content of the pattern means to conceive of a situation that could result in death or serious injury.</p>	<p> The sign indicates that it's "Forbidden", "Not Allowed"</p>
<p> <b>Caution</b> The content of the pattern means to conceive of a situation that may cause injury or material damage.</p>	<p> The sign indicates that it's compulsory followed</p>

#### WARNING

	Do not put finger or club into the air supply outlets.
	Do not operate in the environment of more than 40 degrees.
	Do not use in a place with a large humidity, such as a bathroom.
	Do not use the voltage other than 220V.

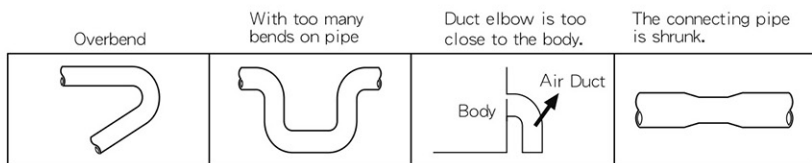
#### CAUTION

	Wear gloves when working with it. Sheet metal parts have sharp corners that can cause accidental injury.
	The installation should be conducted in a place where the weight can be born.
	Inspection and repair work must be carried out by qualified personnel.
	When an abnormality (sound, vibration, or odor) occurs, stop using it immediately.

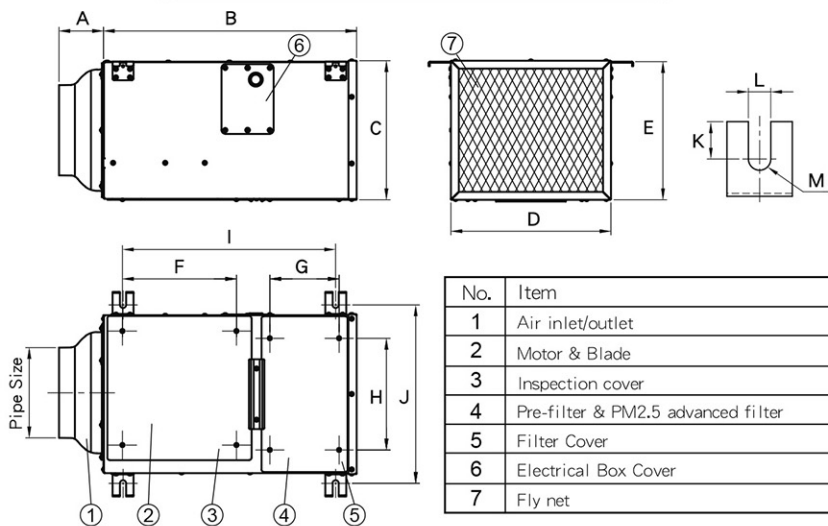
# Installation Precautions

1. Make sure to install the fan firmly.
2. Do not modify the product without authorization.
3. Installation without use of the specified method may not be performed.
4. It must be installed by personnel from the construction unit.

✦ Do not take the following piping methods.



# Parts list & Dimension



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	Pipe Size
VTF-200	70	462	226	312	224.5	245	115	260	387	349	20	12	R6	Ø100(4")
VTF-350	70	462	226	312	224.5	245	115	260	387	349	20	12	R6	Ø150(6")

Unit: mm

# Specifications

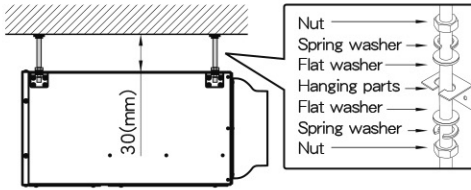
Model	Rated Voltage (V)	Rated Frequency (Hz)	Airflow (m <sup>3</sup> /hr)		Maximum Static Pressure(mmAq)		Power (W)		Sound dB(A)		Net Weight (kg)
			High	Low	High	Low	High	Low	High	Low	
VTF-200	220V	50	250	190	16	14	42	40	39	32	9
	220V	60	250	190	22	18	44	38			
VTF-350	220V	50	330	250	17	16	54	49	47	38	9.5
	220V	60	330	250	23	20	60	49			

■ The noise value is measured at 1.5M from the fan.

# Installation

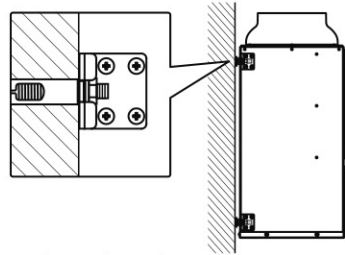
## Installed on the ceiling

- Use M8-M10 bolts to hang the fan.

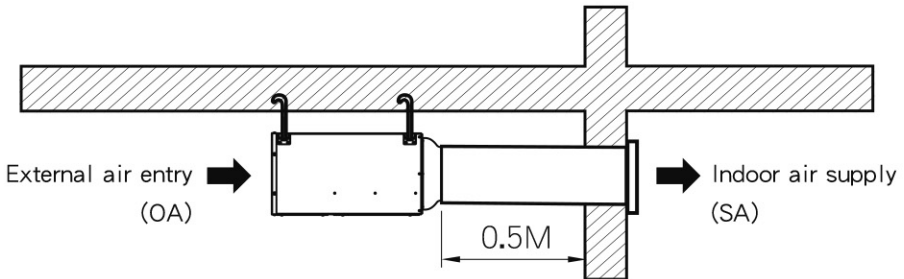


## Installed on the wall

- Use  $\varnothing 8\text{mm}$  drill bit to drill about 40mm deep and fix the expansion screw to the wall.



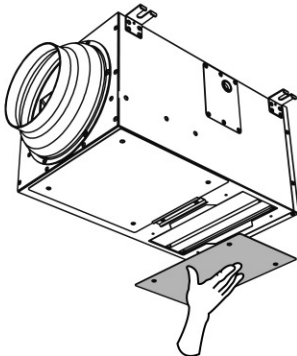
- Do not modify the product without authorization.
- Installation without use of the specified method may not be performed.
- It must be installed by personnel from the construction unit.
- Make sure to install the fan firmly.



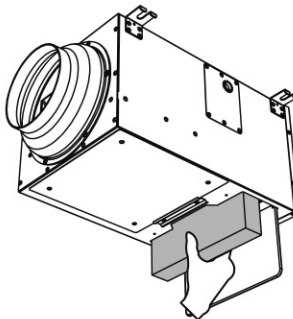
# Filter Replacement & Cleaning

step1. Remove the four screws and the filter cover.

(Before replacing the filter, please confirm that the power has been cut off.)



step2. Take out the Pre-filter to clean/replace, then install the filter back and lock the filter cover.



### • Pre-Filter

(clean it once in every three months.)

### • Activated Carbon Filter (Optional)

(Recommended to replace it two to four times a year)

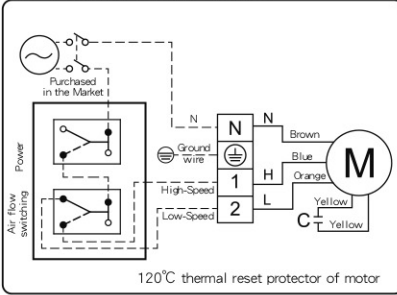
### • PM2.5 Filter

(Recommended to replace it two to four times a year)

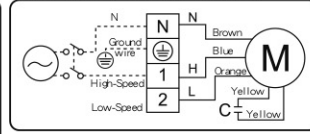
Replace the filter according to the actual environmental conditions.

# Wiring Diagram

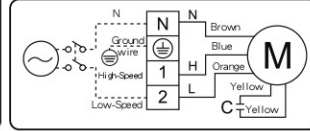
AW-4 switch wiring method



High-Speed Wiring Method



Low-Speed Wiring Method



\*Note: The high and low speed "cannot" be connected at the same time without using AW-4 two gang two way switches.

# Trouble shooting

Check that there are no abnormal sounds or vibration sounds during test run operation. If the fan has any problem, please use the following troubleshooting chart to determine cause of the problem, before you contact the supplier.

Problem	Check	Solutions
Excess noise	Poor Installation	Adjust installation
	Mixed with objects and dust.	Check and clean
	Poor duct installation	Check and adjust
Insufficient airflow	Voltage decrease	Check the power
	Poor duct installation	Check and adjust
Abnormal operation	Wrong wiring	Change the wiring

# Warranty Card

Purchase Date	Date :	Production Serial No.	
Store Stamp		<p>Thank you for purchasing our products. The fan motor is covered under two years warranty; the other general parts are covered under one year warranty. And any cases as following, even under warranty still will charge material and service fee according to the situation.</p> <ol style="list-style-type: none"> <li>Do not register warranty card in our website, without present warranty card, or without purchase date and distributor's stamp.</li> <li>The damage is by the abnormal operation or errors or without regular maintaining of instruction manual.</li> <li>The breakdown caused by unauthorized disassemble modifications or replace parts.</li> <li>Any damage caused by moving or delivery after installation is the responsibility of consumer.</li> <li>The damage caused by natural disasters or force majeure.</li> </ol> <p>※ Please keep this instruction manual carefully for further reference.</p> <ol style="list-style-type: none"> <li>Maintenance under warranty covered, the warranty is still remain as the original warranty period of time.</li> <li>Repairs after the warranty has expired, the warranty of the repair components is for 3 months.</li> </ol> <p>※ Be installed, maintenance and repair.</p> <p>● Product must by qualifiedele ctrician.</p>	