

FOTILE

RANGE HOOD

User Manual | EMS9016/EMS9017/EMS9018

Please read carefully about the user manual before using the product.
And keep it well after reading, for future reference.

Honorable guest, thank you for your choice of FOTILE products. Please read through the manual to be familiar with the correct operation norms and enjoy the cooking.

FOTILE promise is making our home better. It is our duty to let you satisfy with FOTILE products. Please read the user manual carefully before using it, and operate it complying with the manual requests. The manual description is important to keep the product a good working condition. And you will lose the free warranty right if the product is failed to use due to your improper use, thus any direct or indirect free warranty certificate will be rejected by FOTILE authorized service center. Meanwhile, we suggest you contact FOTILE service center when the product need to be repaired no matter within or exceed the warranty period. FOTILE star-level service goal is to make customers fully satisfied by our tireless efforts.

CONTENTS

Warning and Safety Instructions	1
Usage	3
Operation Instruction	4
Cleaning and Maintenance	9
Normal Malfunction and Trouble Shooting	10
Installation	11
Packing List	11
Installation Methods	11
Installation Suggestions	12
Installation Steps	15
Debugging	16
Main Technical Specifications	17
Electric Wiring Diagram	17
Component Name Diagram	19

Warning and Safety Instructions










Special version:

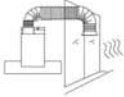





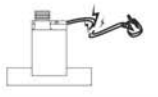



Please properly use the appliance, strictly complying with the user manual. FOTILE company will not bear responsibility for property loss and personal injury due to improper use


Warning:

It may cause people danger, serious injury or fire, if you ignore the following contents and improperly operate.

Strictly execute

 Ground Connection	The plug should be connected with reliable ground wire to ensure safety. The ground wire should not be connected with gas pipe, tap water pipe, lightning rod and telephone line. Bad ground connection may cause electric shock or other accidents.
	Ensure the safe and well installation. It should be operated by professional people, otherwise, it may cause electric shock, ecclasis, fire and other dangerous.
	If the new range hood is damaged obviously before using, please don't install and contact FOTILE service center soon.
	Please comply with the safety guideline provided by the heating equipment manufacturer priority and safety regulations published by the fire authority simultaneously.
 >30mm	The wall should be strong enough to support the range hood. As for hollow wall or hollow plate, the thickness of its solid part should be no less than 30mm. As for concrete wall, the installation can be directly operated. The range hood should be firmly fixed on the wall.
	When drilling on the roof or ceiling, please make sure not damage the electric wires and any other hidden devices.
	The range hood is for family use only, and don't use it in special environment (e.g. outdoor), and it also can't be used to exhaust dangerous or explosive substance or gas.
	The room should be well ventilated when the range hood and gas stove are used at the same time.
	When the cooking pots catch fire, turn off the range hood immediately (It will stimulate the fire if the range hood is working). Effective fire extinguishing measures must be taken at once, such as covering the open flame with metal cover, turning off the general gas valve and keeping flammable substance away from the open flame, etc.

	Make sure the exhausting pipe can reach outdoors to avoid the fire and keep the fresh air in the room. Please don't make the waste gas stay indoor, loft, garage, etc. (This is only for ducted range hood)
 T≤40°C	The working temperature should not be more than 40°C.
	Please clean the range hood according to the user manual, otherwise, it may catch fire or cause other dangers.
	Please clean the oil cup timely to avoid overflowing when the oil reaches the very scale in the oil cup. Please don't use the waste oil.
	Before installation, if you want to clean or repair the range hood, please make sure the power has been cut off to avoid the electric shock. And wear protective gloves to avoid your hands being hurt by range hood metal panel.
	Cut off the power if you are not going to use range hood for a long time.
	When the power cord is damaged, please contact FOTILE service center to replace it.
	If there is abnormality, please turn off the range hood and cut off the main power supply, contact FOTILE service center to repair it. It will easily cause dangers like electric shock, fire, if the range hood still working under abnormal conditions.
	Please don't let children use range hood by themselves and don't place it where infants can touch, otherwise, it will cause burning injury, electric shock or other accidents.
	Please keep the product plastic package away from the infants, to avoid suffocation, etc.

 The glass used in FOTILE products is tempered glass, and the tempering mechanism of glass decides that there is extremely small probability for tempered glass self explosion. Once it happens self explosion not due to improper use, we promise to replace the tempered glass free.

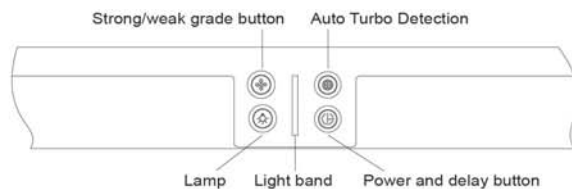
Forbidden

	Please clean the range hood according to the user manual, otherwise, it may catch fire or cause other dangers.
	Don't transform, stretch, tie, ballast or extrude the power cord, or it may cause electric shock or fire.
	Don't change the internal wiring by yourself, otherwise, it will cause possible abnormality and personal injury; and the improper repair leads to electric shock, fire or other dangers.
	The waste air from the range hood couldn't share the same flue with other inflammable gas.
	Don't let the stove work without pot otherwise it will damage the above range hood.
	Don't touch the bulb which is still working or finish working for a short while, to avoid scalding.
	Don't put your hands or other things into impeller when it is working to avoid hurting.
	All electrical parts including motor, switch and connections, etc. should be away from water. Don't rinse range hood directly with water. Don't use the range hood when it is wet to prevent electric shock.
	Never touch the power plug, power switch or other electric parts with wet hand, otherwise, it may cause electric shock.

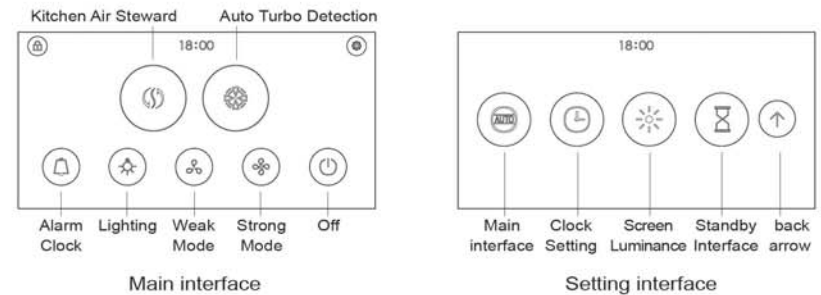
Usage

■ Firstly, let's be familiar with the range hood control interface.

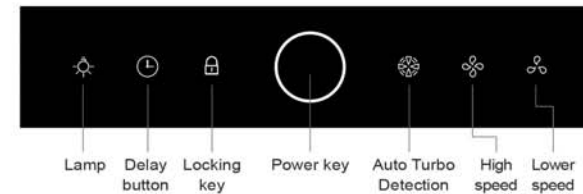
Control panel of EMS9016



Control panel of EMS9017



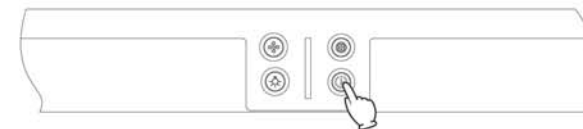
Control panel of EMS9018



Operation Instruction

EMS9016

■ Turn On/Off, Time delay Function



When is touched, the range hood will standby for operation. If there is no operation on stand it will be turned off automatically.

When is touched, the rang hood is working on or on standby, the hood will also be turned off automatically after 2 minutes, and the light indicator will be flashing.

■ Suction Function

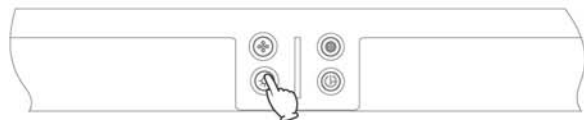


When is touched under the standby or operational mode, all indicator lamps are light; after the range hood maintaining for 5 seconds under the Auto turbo detection mode, and then returns to the normal mode and operate at the strong grade, the indicator lamp of button is semi-lighting, and the flue resistance shall be checked automatically, when the flue resistance is larger than the setting value, the motor turns to the Auto turbo detection mode to run automatically, at this time, the indicator lamp of button is fully-lighting; if the flue resistance restores to the normal condition, then after 30 seconds, it returns to the normal mode to run at the strong grade. If you want to close such function, press .



Touch the button , the motor shall be started; the indicator lamp of button is fully-lighting, and the range hood is running at the strong grade; then touch the button again, the indicator lamp of button is semi-lighting, the range hood is running at weak grade, touch again, the motor is closed.

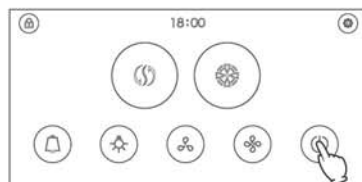
■ Illumination Function



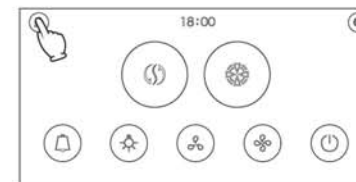
Press the "" button, the light is turned on, and press the button again, the light is off.

EMS9017

■ Turn On/Off, Screenlock Function

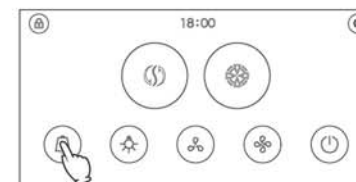


Press key and the device is turned off. (If "delay shutdown" is set, this function will be implemented.) All functions are immediately turned off to enter the black screen or clock screensaver interface. Click anywhere on the screen again to enter the main interface.

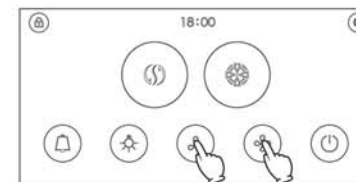


Press key to enter the panel lock interface. Slide to unlock.

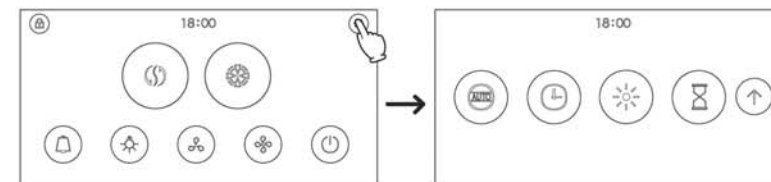
■ Suction Function



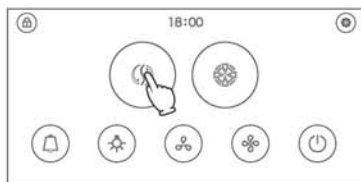
Press key to enter the alarm clock setting interface and set the countdown alarm clock. Prompt tone will be heard when time is up. The prompt tone lasts for 2 minutes (touch any key to stop the prompt tone) and it will stop automatically after 2 minutes.



Press key, the draught fan runs less powerfully. Press it again and it stops. Press key, the draught fan runs powerfully. Press it again and it stops.



Press key enter the setting interface.
 Press to set 0 - 30 minutes of shutdown time delay by rolling up and down.
 Press to set the time and screensaver clock at the top of the interface by rolling up and down (if screensaver is set to be showed).
 Press to set your favorite screen backlight luminance.
 Press to set whether to show the clock screensaver clock interface or not.
 Press to return to the main interface.

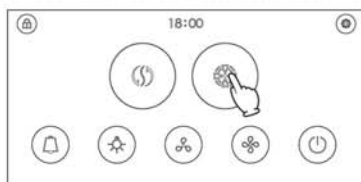


Press key to enter Kitchen Air Steward interface. The hood range can detect air quality automatically.

If air quality is good, the icon turns green and the motor does not run;

If air quality is slightly poor, the icon turns light red and hood works on weak mode;

If air quality is poor, the icon turns red and the hood works on strong mode.



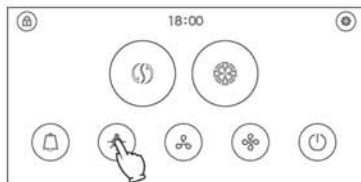
Press key and the hood range enters Auto turbo detection mode.

When high resistance is detected in the flue, the hood range directly runs the most powerfully. When low resistance is detected, the hood range runs powerfully again.

When we put food material into the pan, the blast cooking smoke will be the heaviest.

When sensing the sound at this moment, the hood range directly runs the most powerfully. When detecting no such sound in the pan, the hood range runs powerfully again.

■ Illumination Function



Press key and the lamp is on. Press it again and the lamp is off.

EMS9018

■ Turn On/Off, Screenlock Function



If you want to turn on the rangehood, please press the key, the rangehood is on standby, then you can press another key. If you don't have any operation on standby within 2 minutes, it will be turned off automatically.



During working state or standby mode, Press the key at least with 3 seconds, the rangehood beeps once, flashes on, all keys will be locked, and clicks invalid, the rangehood will emit a beep; then press at least with 3 seconds, the screenlock function is canceled and resume.

■ Time delay Function



If you press when the rangehood is working or on standby, it also will be turned off automatically after 2 minutes, if you need to cancel the delay, press any key.

■ Suction Function



When is touched under the standby or operational mode, all indicator lamps are light; after the range hood maintaining for 5 seconds under the Auto turbo detection mode, and then returns to the normal mode and operate at the strong grade, the indicator lamp of button is semi-lighting, and the flue resistance shall be checked automatically, when the flue resistance is larger than the setting value, the motor turns to the Auto turbo detection mode to run automatically, at this time, the indicator lamp of button is fully-lighting; if the flue resistance restores to the normal condition, then after 30 seconds, it returns to the normal mode to run at the strong grade. If you want to close such function, press .



You press the key, the light indicator will show "on", the relevant working condition is "middle power". Press the key again, the light indicator will show "off", the relevant working condition is "off".



You press the key, the light indicator will show "on", the relevant working condition is "weak power". Press the key again, the light indicator will show "off", the relevant working condition is "off".

■ Illumination Function



Press the key, the light is turned on, and press the key again, the light is off.

Cleaning and Maintenance

	<p>1. Cut off the power before cleaning.</p>		<p>2. All electric parts, include motor, switch, etc. should be away from water.</p>
	<p>3. Please don't clean the surface with rough material like steel wire ball, brush or coarse cloth, etc. It will greatly scratch the surface.</p>	<p>Neutral cleanser</p>	<p>4. Please don't clean with gasoline, acidic substance, benzene, solvent and other chemical agents. If you need to clean, please use neutral cleanser, and wipe dry the appliance surface by soft cloth after cleaning.</p>
<p>Wet cloth</p>	<p>5. If the stainless steel panel is stained with salty liquor, disinfectant, bleaching powder and other cleanser, please wipe it by wet cloth at once and dry it by dry cloth.</p>		<p>6. The two ends of the oil cup shall be held by both hands, maintain the horizontal level of the oil cup, and then move the oil cup towards the front side of the range hood, remove the oil cup and discharge the accumulated oil.</p>
			<p>7. Firstly, hold the front end of ring suction plate with both hands, turn downwards, so that the fastener of ring suction plate is out of place, meanwhile turn downwards for certain degree, remove the ring suction plate. And then hold the air input cover with left hand, and unscrew the 2 screws fixed on the air input cover with cross-screwdriver by right hand, then remove the air input cover.</p>

	<p>8. Remove the motor cover and decorative cover.</p>		<p>9. Unscrew the screws on the motor cover, and dismantle the motor cover.</p>
	<p>10. Unscrew the screws fixing on the air input ring, and remove the air input ring.</p>		<p>11. loosen the screw, take off the air inlet.</p>
	<p>12. Unscrew the locknut in clockwise direction, and remove the vane.</p>		<p>13. Screw off the locknut clockwise, Take out the impeller.</p>

- a. Pour out the gathering oil periodically according to the oil cup indication; please wipe the range hood surface once after every using the range hood; clean the air inlet outer cover and inner cover every three days; clean the impeller once every year (clean by professional people).
- b. Please frequently clean the range hood surface, rectification plate and oil cup.

Normal Malfunction and Trouble Shooting

Malfunctions	Possible reasons	How to check
Range hood can't work, light can't light	Haven't connected with power supply	Check whether the plug is well inserted or not
		Check whether there is electricity or not in the plug
Motor can work, but light can't light	LED light is damaged	Replace LED light (done by professional people)
There is machinery shaking noise	Screw is loosed	check whether the surface screws are tightened or not
Suction power is weak	Too long distance between range hood and stove	Lower the range hood installation height (done by professional people)
	Too much ventilation near the range hood leads to strong convection	Close some doors and windows
Noisy	Exhaust pipe surface is distorted	Reinstall exhaust pipe (done by professional people)

- 1. Change the LED light: please contact FOTILE after-sale service center.
- 2. If the range hood still can't work after getting rid of the above malfunctions, please contact FOTILE service center.

Installation

Packing List

	Complete Appliance	1		Aluminum Foil Tape	1
	Exhaust Pipe	1		Wooden Screw 4.5x60	7
	Pothead	1		Oil Cup	1
	Decorative Cover	1		Safety Block	1
	Decorative Cover Pothead	1		Upper Seal Mat	1
	Cross Recess Head Self-tapping Screw ST 3.9x9.5	6		User Manual	1
	Expansion Pipe φ10X60	7		Exhaust Cover	1
	Cross recess pan head self-tapping locking screws M4 X 18	8		Ring suction plate assembly	1
	Collision Avoidance Elements	2			

Installation Methods

⚠️ Attention



Suggest install the range hood after finishing the kitchen decoration.



Make sure to keep the appliance horizontal.



After finishing installation, make sure the range hood can normally work, please read carefully and keep well the user manual.



Please abandon and recycle the old range hood which can't work any more, to protect the environment.

⚠️ Attention



If it is necessary to move the gas stove before installing the range hood, please close general gas valve before moving the gas stove.



The range hood is heavy and the installation is complex, so the installation should be done by professional people according to the user manual.



Please wear protective gloves to avoid your hands being hurt by range hood sharp edge.



Please use specialized power socket and it should be connected with reliable ground wire to ensure safety.



Please do not damage the electric wire and other hidden equipment when drilling on wall. Power off the range hood when installing.



The wall should be strong enough to support the range hood, otherwise the range hood may drop down and result in damage.



Accessible parts may become hot when used with cooking appliances. The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels. Failure to install the screws or fixing device in accordance with these instructions may result in electrical hazards. This appliance is not intended for using 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.



Please use accessories provided by FOTILE company to ensure safe and well installation. Make sure the tightness between expansion pipe and wall hole, and please don't drill the hole too big, to avoid drop due to expansion pipe loosening.



Make sure the exhausting pipe can reach outdoors to avoid the fire and keep the fresh air in the room. Please don't make the waste gas stay indoor, loft, garage, etc. (This is only for ducted range hood)The waste air from the range hood couldn't share the same flue with other inflammable gas.



Package of new range hood: To keep a well environment, please deal with the plastic package by environmental way. Packing material is not toy, so please keep the plastic bags and box away from the infant to prevent such dangers as suffocation, etc.

Installation Suggestions

■ Installation Position

The range hood is only for family use only; Please do not use the range hood under other conditions.

The range hood should be installed above the stove. Keep parallel between the blower outer cover bottom end and cabinet bottom end.

The temperature of the range hood should not be more than 40°C.

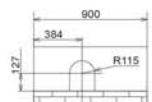
The wall should be non-flammable. Never install the range hood on the flammable wooden wall.

■ Range Hood and Wall Cupboard Standard Combination Size Installation Diagram

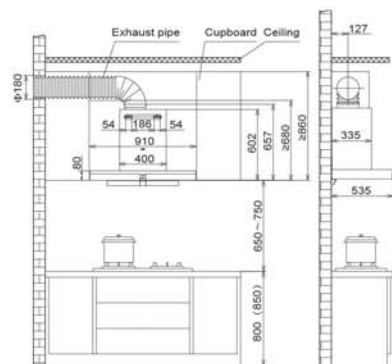
(Unit: mm)

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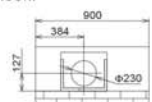
Hole Size of Cabinet on Top Surface



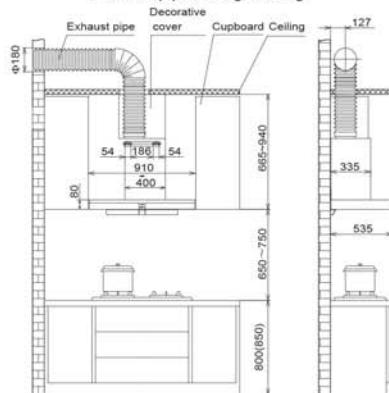
Exhaust pipe through cabinet



Installation diagram for the top decorative cover pothook.

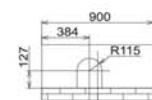


Exhaust pipe through ceiling

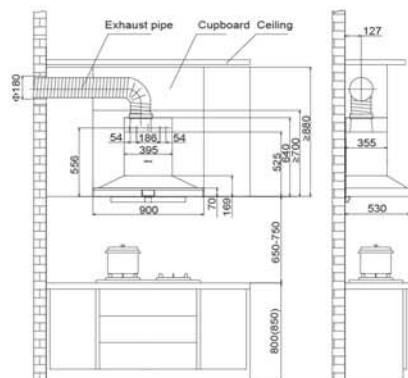


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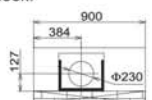
Hole Size of Cabinet on Top Surface



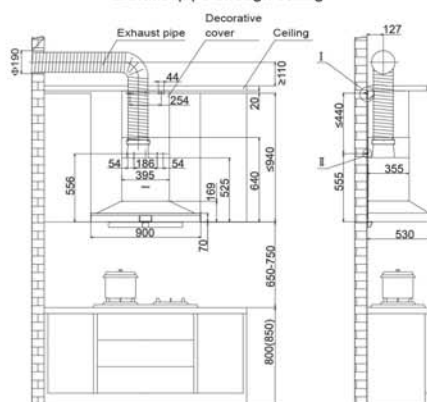
Exhaust pipe through cabinet



Installation diagram for the top decorative cover pothook.

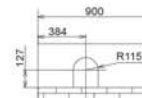


Exhaust pipe through ceiling

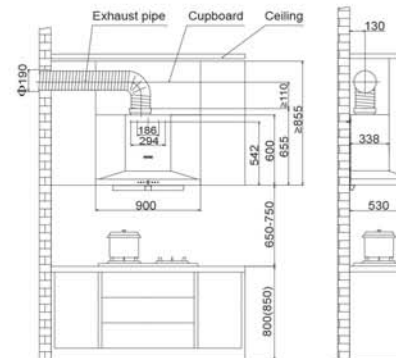


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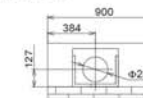
Hole Size of Cabinet on Top Surface



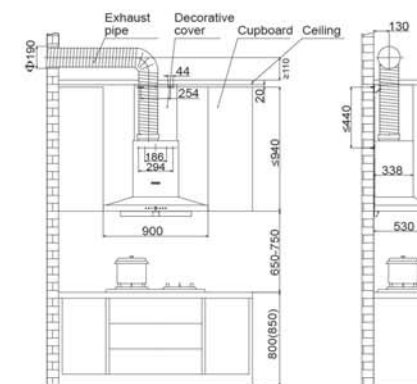
Exhaust pipe through cabinet



Installation diagram for the top decorative cover pothook.



Exhaust pipe through ceiling



Blower outer cover bottom and cabinet bottom should be even.

■ Preparation before installation

1. Warning, Please don't make sundries into exhaust pipe to avoid damaging the range hood. Estimate the exhaust pipe position. A straight and short exhaust pipe makes smoke extraction more smooth, please refer to installation diagram. The joint between exhaust pipe and wall hole should be sealed with tape, and ensure firm connection between exhaust pipe and exhaust cover. Too small wall hole will affect smoke extraction, therefore, please broaden the wall hole to fit exhaust pipe size under safety condition.
2. Tool preparation
Please prepare the following tools before range hood installation.

(1). Impact electric drill (with drillbit of Φ10mm)	(2). Cross screwdriver
(3). Internal hexagonal wrench (M6)	(4). Measuring taper
(5). Hammer	

Installation Steps

- Demount the two screws which is for fixing the blower outer cover, take down the blower outer cover and decorative cover. Reserve $\phi 10\text{mm}$ drill bit for the impact electric drill.
- Refer to Fig 1, set the right position on the wall to drill and then firmly imbed the expansion pipe. Insert wooden screws to tighten the fixed hook and decorative cover hook; you can also use two ST3.9X9.5 self-tapping screw to fix the decorative cover on the suspended ceiling.
- Use eight M4×18 screws to fix the exhaust cover and sealing ring on the top of appliance.
- Use ST3.9X9.5 self-tapping screws to fix the exhaust pipe on the exhaust cover.
- Hang the hood firmly: face squarely- not slanting, side-looking-the hood will tightly stick the wall and a little lacune.
- Install the exhaust pipe according to Fig 1: check the pipe shell is not bulging and not shriveled, curve freely. The exhaust pipe and wall should be tightly connected to prevent smoke back, the backflow barrier blade should be up and down smoothly.
- Confirm the churn drilling hole position according to Fig 2, firmly imbed the expansion pipe, fix the safety block, and screw in the wooden screw to fix.
- Blower outer cover and decorative cover installation

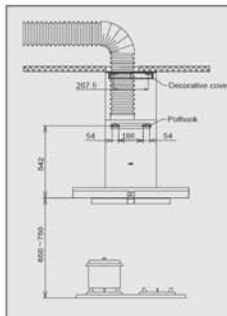


Fig.1

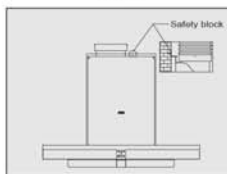


Fig.2



Fig.3

- Put the decorative cover inside of the blower outer cover.
- Take up the blower outer cover and decorative cover meantime; inject the decorative cover into its pothook, then push the decorative cover and blower outer cover along the pothook assembly to the end.
- After pushing the decorative cover and blower outer cover to the end, the blower outer cover will slip down slowly, and inject the blower outer cover buckle to the blower rack, then insert the blower outer cover to the gap which is between top panel and blower rack.



- Please take down the blower outer cover before installation.
- If you install the range hood matching with cabinet, then exchange Step (4) and Step (5).
- Please select right drill bit according to the drilling place specific situation.

9. Installation of ring suction plate

- Hold the front side of the ring suction plate firmly with both hands, and place the left and right pothooks on the rear side of ring suction plate into the left and right hook racks of the smoke collecting hood;
 - Prop the ring suction plate with both hands, make it spiral upward, push in while the ring suction plate spirals, finally make the touch claw on the ring suction plate insert into the touch button on the smoke collection hood;
10. Install anti-collision accessories, firstly remove the double faced adhesive tape (see Figure 3), then stick the anti-collision accessories to the corner of the smoke exhaust (see Figure 4);
11. Install the oil cup assemblies(see Figure 5);
12. Insert the host power plug into the power outlet.

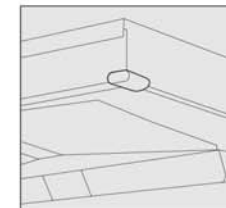


Fig.4

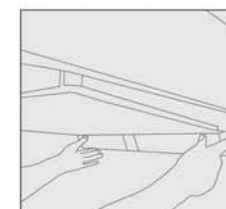


Fig.5

Debugging

- Connect the power plug.
- Press the "☼" button, check the light
- Press the "⊗" button, to check if the motor is at normal operation. If there is abnormality, Please turn off the power immediately, and check if it is the problem of installation. (Please contact with FOTILE distributor or service center.)
 - The body of hood shakes heavily.
 - The expansion pipe is loose.
 - The impeller doesn't work.
 - Big noise from the impeller running.
 - Abnormal noise from motor.
- press the Power key, the turbine and the light are off.

Main Technical Specifications

Electrical parameter

Model	Voltage	Frequency	Power	LED Light Power
EMS9016	220-240V	50/60Hz	210W	2W
EMS9017				
EMS9018				

Exhaust model (exhaust pipe)

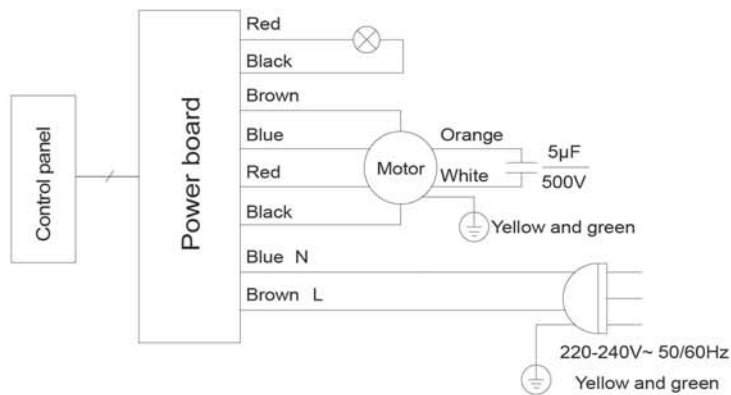
Model	Test By Free Air Exhaust State		Test By IEC Standard		
	Speed	Air flow(m³/h)	Air flow(m³/h)	Noise(dB)	
EMS9016	Speed1	980	880	49	
EMS9017	Speed2	1150	1010		
EMS9018	SpeedT	1450	1200		
				Max Static Pressure(Pa)	397



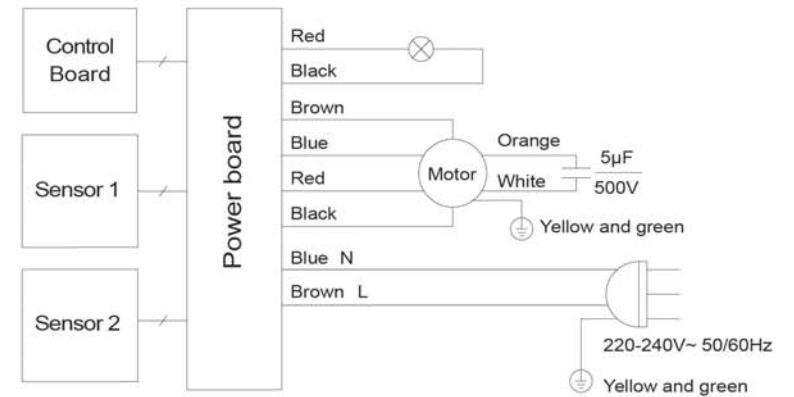
- a. Air flow: Deviation between express value and measured value is less than 10% of the express value.
- b. Noise, 49dB is sound pressure level of speed2. Weighted sound power level noise is 63dB.

Electric Wiring Diagram

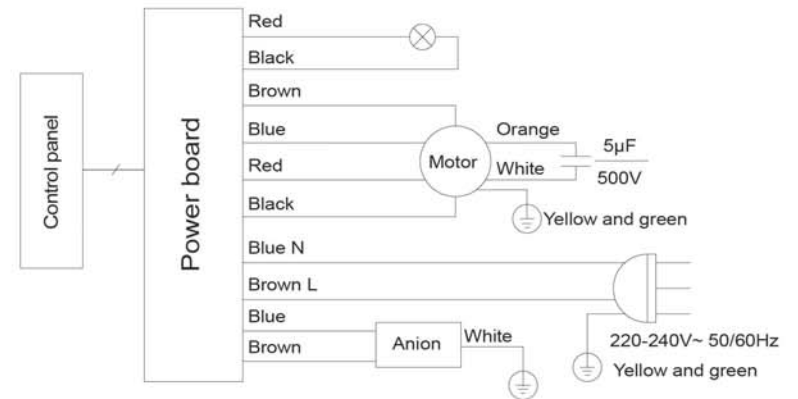
EMS9016



EMS9017

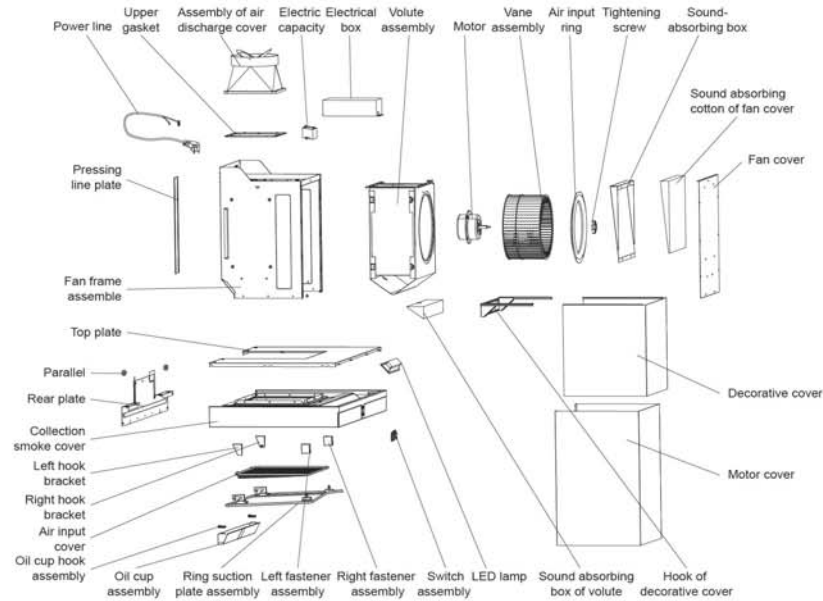


EMS9018

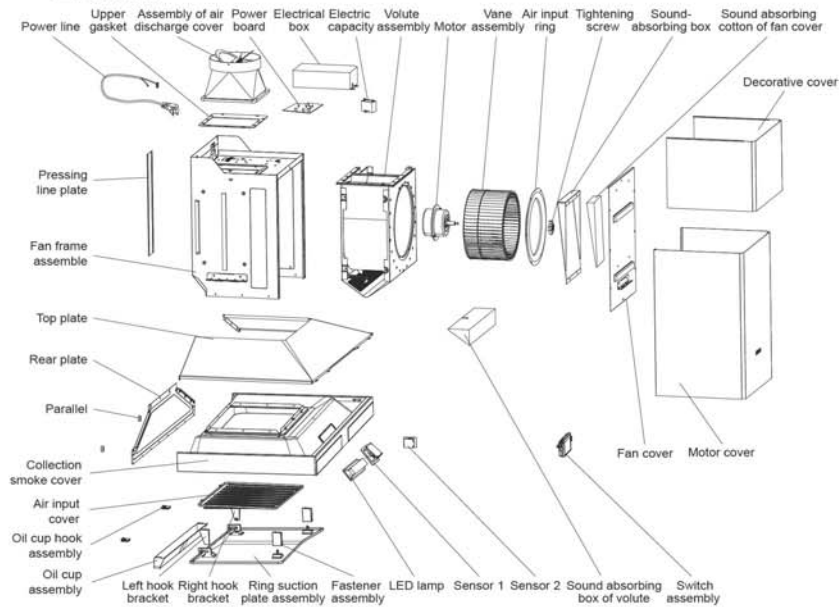


Component Name Diagram

EMS9016



EMS9017



EMS9018

