

Panasonic

INTELLIGENT ECO SENSORS

ECONAVI

LED

DC Motor
ENERGY SAVING

Fan

Ceiling
General
Ventilation



BREEZE for LIVING SPACE

Panasonic

Please visit **Panasonic Fan Microsite** for more details:
www.panasonic.com.my/fan

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IMPORTANCE OF INDOOR AIR QUALITY (IAQ)

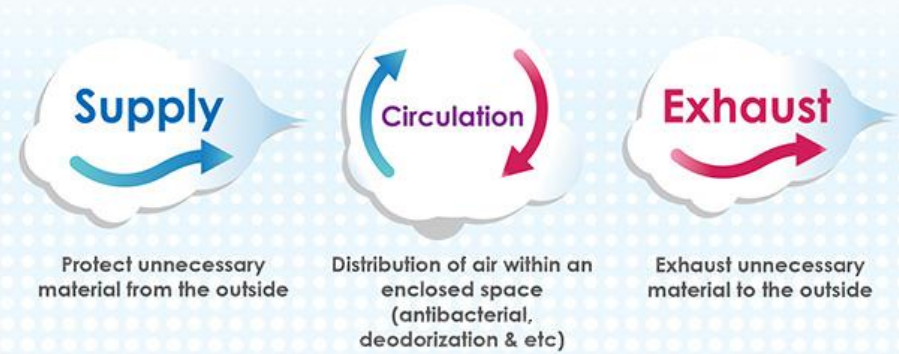
IAQ
INDOOR AIR QUALITY

It's the **air** that human consume the most in a day

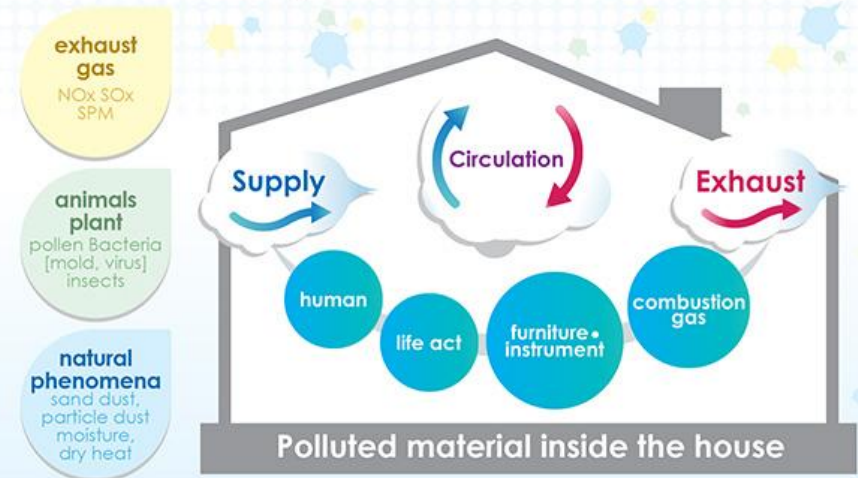


IAQ Solution

We propose to improve IAQ by optimized "supply", "circulation" and "exhaust" products from the residential house to commercial building.



Air pollution material PM2.5



CEILING FAN

Enjoy a Natural, Comfortable
and Relaxing Environment

Ceiling fans create a strong airflow and also aid the circulation of cool air from air conditioning systems. Panasonic Ceiling Fans combine innovative technology with beautiful contemporary designs.

03

Compact. Quiet. Saves.

DC Motor ENERGY SAVING



1

DC Motor How it works?

• AC motor VS DC motor

AC (Alternative Current) motor connects directly to a power source where it creates the moment of force required to rotate the motor's rotor.

As for DC (Direct Current) motor, the direct (AC) power source will be connected to a transformer which converts the power to DC. The effect will decrease the amount of power used by a direct current instead of the alternating current. The motor's rotor will then be rotated by using a system of magnets of opposing polarity where this process requires less electrical energy.

DC Motor is more compact & half the size of AC motor



AC motor



DC motor

• Advantages of a DC motor:

1. Uses less energy – up to 55% compared AC motor
2. Quiet operation
3. More compact and lighter motor

Senses. Self-Adjust. Saves.

INTELLIGENT ECO SENSORS

ECONAVI

1

ECONAVI Integrated Circuit

This intelligent microprocessor analyzes information from the sensor and adjust the fan speed to optimum conditions.



2

Temperature Sensor

Detects surrounding temperature.



INTELLIGENT ECO SENSORS
ECONAVI



What is ECONAVI?

ECONAVI Intelligent Sensor detects unconscious waste of energy using the temperature sensor. It is able to monitor surrounding temperature and adjust the fan speed automatically to give the most comfortable air to human body. While adjusting the the fan speed, it saves energy efficiently with uninterrupted comfort and convenience.

How it works.

Senses

ECONAVI features Intelligent surrounding temperature detection that senses every 3 minutes.



Self-Adjusts

ECONAVI feature will adjust speed automatically to give the most comfortable air to human body according to the surrounding temperature and room conditions.



ECONAVI-Temperature Sensor

64% energy saving when in ECONAVI mode
Activated 10 minutes after START.

INTELLIGENT ECO SENSORS
ECONAVI

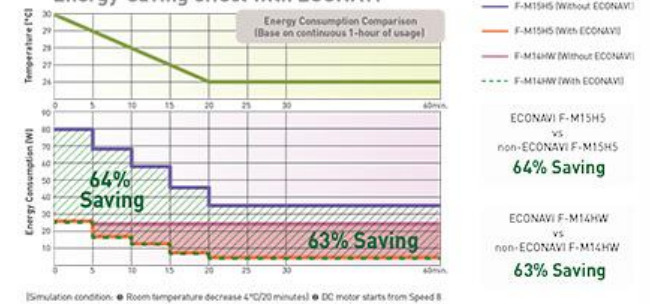
Room Temp Zone (simulation)		Temperature detection every 3 minutes.	
Room Temp	Zone	Room Temp Change	ECONAVI (9 Speed)
≥30°C	Zone 1 (Day Time)	1°C	2 speed
≥29°C	Zone 2 (Day Time)	1°C	2 speed
24-29°C	Zone 3 (Day Time, Air conditioner usage)	1°C	1 speed
<24°C	Zone 4 (Night Time, Air conditioner usage)	1°C	No change
		1°C	1 speed

Saves

ECONAVI with smart eco sensor now has the abilities to detect and reduce energy waste. You can now enjoy more saving of up to 64%*

SAVE UP TO 64% ELECTRICITY
INTELLIGENT ECO SENSORS
ECONAVI

Energy-saving effect with ECONAVI



Benefits of Ceiling Fan



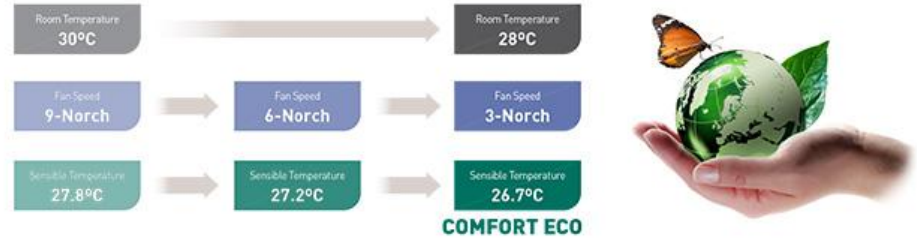
If Ceiling Fan with Econavi operation is used

Almost the same sensible temperature is maintained by changing of wind velocity according to variations in temperature.

If Air Conditioner and Ceiling Fan with Econavi operation are used

- Maintain amenity before the air conditioning reaches the preset temperature.
- Even air conditioning pauses when the desired temperature is reached, cool feeling is retained.
- Energy saving is realized as power consumption is reduced while optimum performances of both ceiling fan and air conditioner are achieved.

Air conditioner and ceiling fan is used with **ECONAVI**



Above figure illustrates the effect of using air conditioner and ceiling fan with 'Econavi'. The fan speed is adjusted according to room temperature monitored by the intelligent thermal sensor. Room temperature decreases to 28°C over a period, while the sensible temperature could be maintained to 26.7°C, which is said to be most comfortable to human body*.

* By ASHRAE (American Society of Heating, Refrigerating and Air-conditioning Engineers) report at Year 1971.

Air conditioner and ceiling fan is used without **ECONAVI**



This figure illustrates the effect of using both air conditioner and ceiling fan without 'Econavi Mode'. The fan operates at high speed continuously. Room temperature decreases to 28°C over a period, while the sensible temperature decreases to 25.5°C, possible resulting the human body to feel cold.

Only air conditioner is used



This figure illustrates the effect of using air conditioner only. The air conditioner operates without a ceiling fan. Room temperature decreases to 28°C over a period, while the sensible temperature is kept at 29.4°C that unable to achieve the optimum efficiency.

Benefits of Ceiling Fan



- 1 Thermal Sensor detects room temperature
- 2 Motor speed is adjusted
changing of wind velocity according to measured data
- 3 Actual data is monitored
Temperature difference around the ceiling fan is corrected by actual measured data.

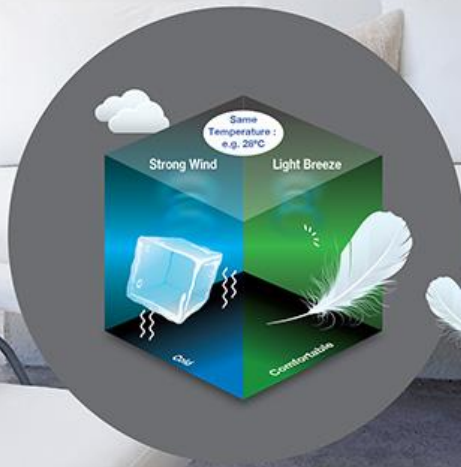
1m from floor

Sensible Temperature

What is Sensible Temperature?

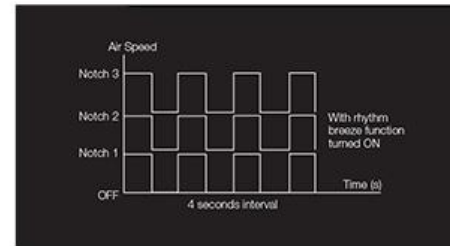
Sensible Temperature is the temperature felt by human being. It is not the same as the thermometer reading. Surrounding air circulation is one of the important factors reflecting the effect of the temperature. We lose heat when we expose to cold air. The greater the wind speed, the faster we lose heat.

For instance, compared with the one under light breeze, you may feel much colder if you are exposed to strong wind, even if the room temperature is the same.



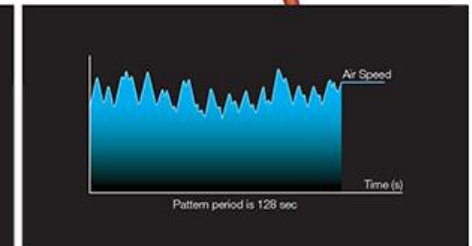
Comfortable - 1/f Yuragi* (Natural Breeze) [Applicable for F-M15GW, F-M12GX VBHQH, F-M15H5, F-M14HW, F-M15E2 & F-M14E2]

These fans are equipped with 1/f Yuragi function which is a fluctuating pattern to generate a gentle breeze. By this sophisticated formula, in varying air velocity and controlling wind force, these new ceiling fans gives you a peaceful and comfortable feeling.



Current function : rhythm breeze Speed notch toggles by 4 seconds regularly

This regular pattern decreases the body temperature after a period of time. Thereafter, you may feel anxious and uncomfortable when the wind velocity changes.



New function : 1/f Yuragi Speed notch toggles based on Yuragi pattern

Incorporated with this human-concerned technology, this kind of rhythm maintains your external body temperature by giving you a feeling of natural wind when there is a change of wind velocity.

Comment after 20 minutes usage



1/f Yuragi Wind Flow

While enjoying the comfortable cooling effect, it prevents body temperature from dropping.

Japan Society of
Physiological Anthropology
Report

Continuous Wind

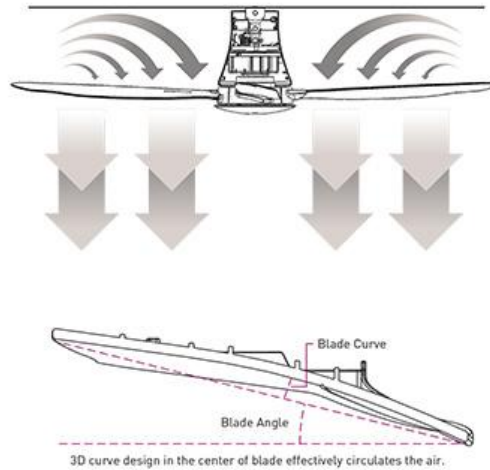
Body will get tired if exposed to constant air velocity for a long time.

Features

Excellent - 3D Blade (Powerful Airflow)

(Applicable for F-M15GW, F-M12GX VBHQH, F-M15H5, F-M14HW, F-M15E2, F-M14E2)

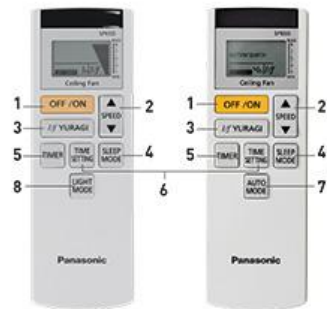
With the exclusive and unique 3D blade design, it provides a smooth and strong air flow while maintaining operating noise in low level.



Convenient - LCD Remote Controller

(Applicable for F-M15GW, F-M12GX VBHQH, F-M15H5, F-M14HW)

All functions can be operated by simply using the LCD remote controller. With clear speed selection, timer indication and mode selection displayed at the LCD panel, it provides great convenience and ease for you to operate.



- 1 On/Off Button**
Press On/Off Button to activate or deactivate the ceiling fan
- 2 Speed Button**
From slow speed to cooling environment in 9 speed (F-M15GW, F-M12GX VBHQH, F-M15H5, F-M14HW) selection
- 3 Yuragi Button**
One touch button for natural breeze
- 4 Sleep Mode Button**
Gradually reduce fan speed according to the time setting
- 5 Timer Select Button**
Press to select timer. On timer → Off timer → Release
- 6 Time Set Button**
Press to set time
- 7 Auto Mode Button**
Press to set or release auto mode (F-M15H5 & F-M14HW)
- 8 Light Mode Button**
Press to on and off light (F-M15GW, F-M12GX VBHQH)

Caring - Sleep Mode

(Applicable for F-M15GW, F-M12GX VBHQH, F-M15H5, F-M14HW, F-M15E2, F-M14E2, F-M14D5, F-M14C5, F-M12D2, F-M14C2)

These fans are equipped with Sleep Mode, by which fan speed and timer will gradually reduce until the fan is off. This function not only creates an optimal sleeping environment but also enhances energy saving as well.

Timer setting	8	7	6	5	4	3	2	1	0
Speed	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF
	0	7	6	5	4	3	2	1	OFF

Example:
Model: F-M15H5
Setting Speed = 9

- Sleep mode function is disabled at speed 1 and 1 hour setting
- Operation pattern will be different subject to different model and setting, please refer to the operation instruction for details.

ON TIMER

(Applicable for F-M15GW, F-M12GX VBHQH, F-M15H5, F-M14HW)

With the 'ON TIMER', the ceiling fan can now be set to switch on automatically after the selected hours. It is best used to compliment with your air conditioner when you sleep at night. You can now set your fan to automatically ON to cool your room before you get home on a hot day!



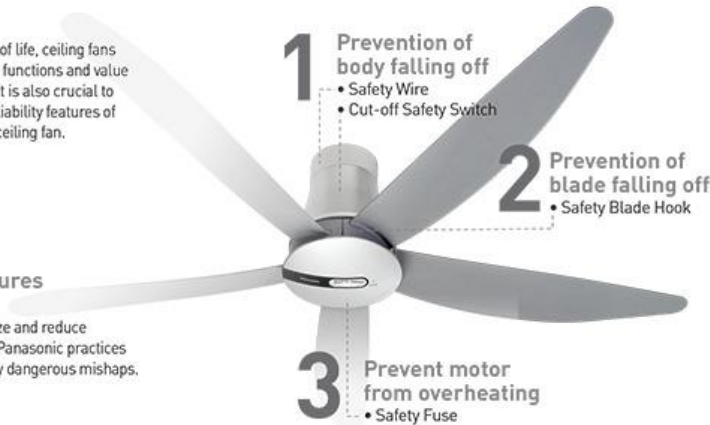
Safety Features

To pursue a higher quality of life, ceiling fans are expected to have more functions and value added features. However, it is also crucial to consider the safety and reliability features of the fan when you select a ceiling fan.

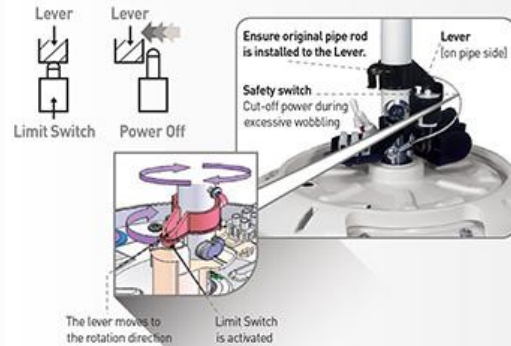
Safety Policy by Panasonic

Preventive Measures For Safety

Panasonic aims to minimize and reduce accidents to occur. Thus, Panasonic practices safety policy to prevent any dangerous mishaps.



Cut-off Safety Switch



Problem

If there is any damage to either the shaft or the bolt due to improper installation, abnormal wobbling from fan will occur when it operates. The damage will cause the shaft or the bolt to break if the fan continues to operate.

Preventive Measures

When there is excessive wobbling, the safety cut-off switch will be triggered and power supply will be cut off. The cut-off switch works by detaching the lever from the switch and the fan will stop.

If Motor stops

Stop using immediately and seek contact for qualified installers or authorized Panasonic service dealers for assistance.

Safety Blade Hook



Problem

The fan blade may detach from the fan motor should there be improper installation coupled with the fan blade wearing off, deformed blade shape or stronger wind blowing to the fan.

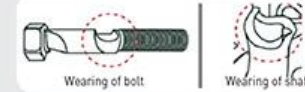
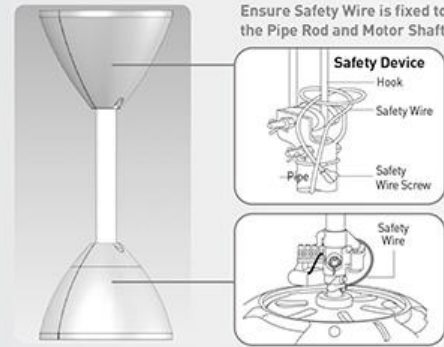
Preventive Measures

The broken blade will be visibly hanging with the aid of safety blade hook when the fan is functioning (as shown in the picture) as an indication.

If Blade breaks

Stop using immediately and seek contact for qualified installers or authorized Panasonic service dealers for assistance.

Safety Wire



Use the original pipe rod

Original pipe rod comes with the safety wire and safety cut-off switch in line with Panasonic safety policy. Also, do ensure the pipe rod is fully tightened to the motor shaft. (Bolt tightening torque is 800 – 1200 N.cm)

Problem

Due to improper installation or should malfunction occur, the fan motor may detached from the pipe rod due to factors such as wearing of shaft bolt, etc.

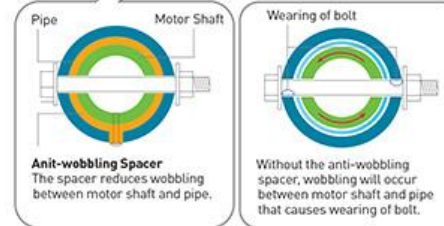
Preventive Measures

The safety wire helps to secure the fan motor with the ceiling hook to prevent the motor from falling when the fan motor detaches from the pipe rod.

If need shorter/longer pipe

Contact qualified installers or authorized Panasonic service dealers for assistance.

Wobbling Reduction Mechanism



Anti-wobbling Spacer

The spacer reduces wobbling between motor shaft and pipe.

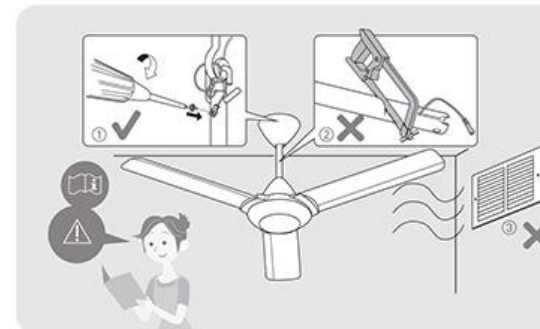
Without the anti-wobbling spacer, wobbling will occur between motor shaft and pipe that causes wearing of bolt.

Problem

Constant wobbling will cause the bolt, motor shaft and pipe rod to wear off which may cause breakage or falling of the fan to happen should the condition worsened.

Preventive Measures

The newly developed anti-wobbling structure helps to reduce wobbling between bolt, motor shaft and pipe rod. It can minimize the parts from wearing off and prevents from detaching the fan.



① Safety Wire must be fixed correctly and connected at all times.

② Do not use modified parts other than original supplied parts.

③ Do not install at a location directly hit by wind.

⚠ Can cause injury if the Ceiling Fan/ Blade drops.

F-M15H5-QPI

(short pipe)

F-M15H5-RPI

(long pipe)

INTELLIGENT ECO SENSORS
ECONAVI



Features

- ECONAVI Feature
- DC Motor Technology
- Yuragi (Natural Breeze) Function
- Enhanced Safety Features
- Greater Air Delivery
- Durable Blades (PPG Material)
- LCD Remote Control with 9-sequential speed selection
- 1 - 8 Hour Off Timer
- 1 - 8 Hour On Timer
- 2 - 8 Hour Sleep Timer

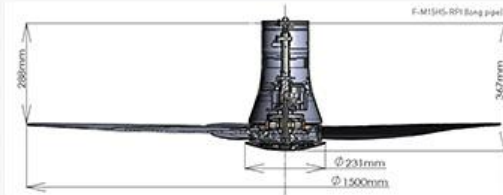
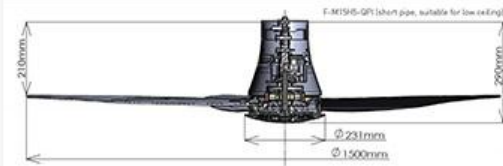
Dimension

Width: Ø1500mm [60"]
Height: Short pipe (QPI): 290mm
Long pipe (RPI): 367mm

Colour

Platinum Silver

Installation Space (unit:mm)



F-M14HW

INTELLIGENT ECO SENSORS
ECONAVI



Installation Space (unit:mm)



Features

- ECONAVI Feature
- DC Motor Technology
- Yuragi (Natural Breeze) Function
- Enhanced Safety Features
- Greater Air Delivery
- Durable Blades (PPG Material)
- LCD Remote Control with 9-sequential speed selection
- 1 - 8 Hour Off Timer
- 1 - 8 Hour On Timer
- 2 - 8 Hour Sleep Timer

Dimension

Width: Ø1400mm [56"]
Height: 289mm

Colour

Platinum Silver



LED Ceiling Fan

[Applicable for F-M15GW, F-M12GX VBHQH]

LED ceiling fan provides you greater space with the lighting incorporated into the fan. LED is used due to its long lifespan and also simply because it is energy saving.



85% Energy Saving*
* LED Light compared to incandescent bulb.

Hassle-free - No Bulb Replacement Needed
With the long lifespan of LED light, there is no need to constantly change your light bulb - and reduce garbage waste.

F-M15GW-QPI

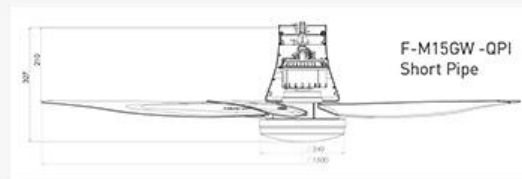
(short pipe)

F-M15GW-RPI

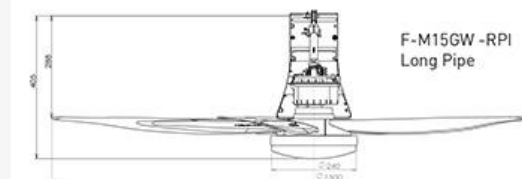
(long pipe)



Installation Space (unit:mm)



F-M15GW-QPI Short Pipe



F-M15GW-RPI Long Pipe

Features

- LED Lighting - 4 mode selection
- DC Motor Technology
- Yuragi (Natural Breeze) Function
- Enhanced Safety Features
- Greater Air Delivery
- Durable Blades (PPG Material)
- LCD Remote Control with 9-sequential speed selection
- 1-8 Hour Off Timer
- 1-8 Hour On Timer
- 2-8 Hour Sleep Timer

Dimension

Width: Ø1500mm [60"]
Height: Short pipe (QPI): 327mm
Long pipe (RPI): 405mm

Colour

Platinum Silver

Brightness

Brightness = Up to 200 lx*

Power Consumption

Up to 22W*
22W LED light = Incandescent lamp 4 x 60W

Coverage*

- < HIGH > - 200lx
- i) 4m coverage - strong lighting
- ii) 6m coverage - moderate lighting
- iii) 8m coverage - weak lighting

Colour

	Model	Brightness	Light color
High	F-M15GW	200[lx]	White
	F-M12GX	150[lx]	Cool Day Light
Medium	F-M15GW	150[lx]	Cool Day Light Warm
	F-M12GX	75[lx]	Cool Day Light
Low	F-M15GW	31[lx]	Warm
	F-M12GX	31[lx]	Cool Day Light

Light Evenness

LED Cover has diffusion material that produce even light distribution

* Subject to selected models

Image of Room General Lighting



Day Time
Ceiling fan in use without lighting



Night Time
Shadowed as lightings near to ceiling fan
Fan without lighting



Night Time
Provides a uniform lighting to living space
Fan with lighting

LED Lighting Coverage*



4m
[Strong light coverage]



6m
[Moderate light coverage]



8m
[Weak light coverage]

F-M12GX VBHQH



Features

- LED lighting - 3 mode Selection
- DC Motor Technology
- Yuragi (Natural Breeze) Function
- Enhanced Safety Features
- Greater Air Delivery
- Durable Blades (PPG Material)
- LCD Remote Control with 9-Sequential Speed Selection
- 1-8 Hour Off Timer
- 1-8 Hour On Timer
- 2-8 Hour Sleep Timer

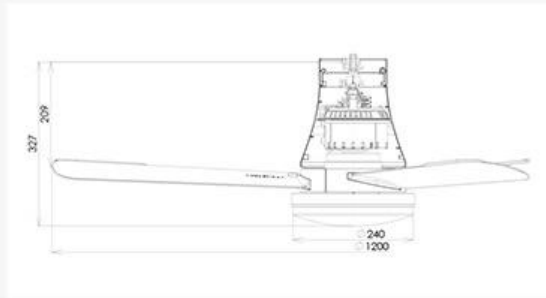
Dimension

Width: Ø1200mm (48")
Height: : 327mm

Colour

Dark Grey

Installation Space (unit:mm)



NAMI
series

State-of-the-art 1/f Yuragi Feature

Providing you with a natural breeze from the comfort of your own home. Literally.

Enhanced Safety Features

Safety wires & blade hook ensure zero mishaps should blade screws come loose. Fan rod is connected to a safety switch that cuts power supply should any malfunction occur.

Stylish 3D Blade Design

Tough yet durable, light and rust proof blades generate maximum air delivery with minimal noise.

Greater Air Delivery

3D blades provide great air delivery with minimal noise.

Speed Control

5- preset speed selection with sleep and off timer, with a press of a button from the remote control.



F-M15E2

NAMI
series



Features

- 5-blade design
- Yuragi [Natural Breeze] Function
- Enhanced Safety Features
- Remote Control With 5-preset Speed
- Greater Air Delivery
- 1,3,6-Hour Off And Sleep Timer
- Durable Blades [PPG material]

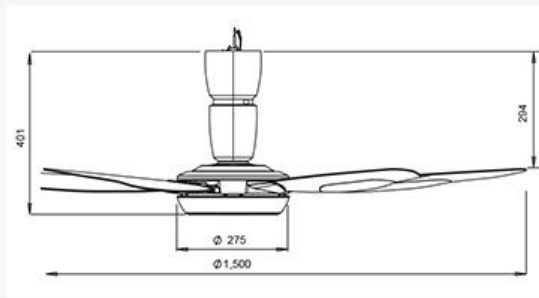
Dimension

Width: $\phi 1500\text{mm}$ [60"]
 Height: : 401mm

Colour

Silver

Installation Space (unit:mm)

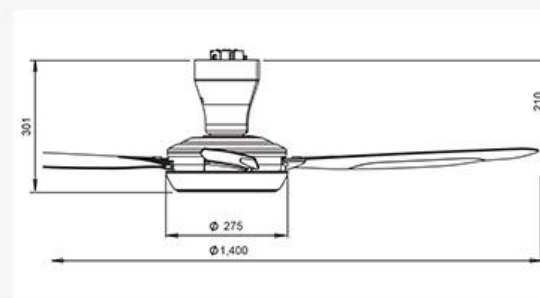


F-M14E2

NAMI
series



Installation Space (unit:mm)



Features

- 4-blade design
- Yuragi [Natural Breeze] Function
- Enhanced Safety Features
- Remote Control With 5-preset Speed
- Greater Air Delivery
- 1, 3, 6-Hour Off And Sleep Timer
- Durable Blades [PPG material]
- Most Suitable For Low Ceiling

Dimension

Width: $\phi 1400\text{mm}$ [56"]
 Height: : 301mm

Colour

Silver Grey

BAYU
series



New Blade Design

Innovative blade design optimizes air delivery while ensuring quiet, smooth operation. Suitable for any décor.

1, 3, 6-hour Off Timer

Preset your fan to shut off after selected time range, regardless of selected speed.

3, 6-hour Sleep Timer

Gradually decreases fan speed till it powers off while you sleep.

Speed Control

Control fan functions with a simple touch.

Enhanced Safety Features

Blade hooks prevent any mishaps should blade screws give away.

Thermal safety fuse protects fan from electrical surges.

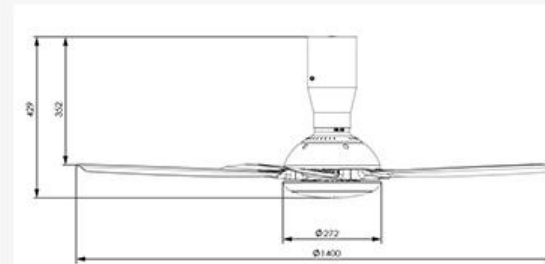
Safety limit switch shuts off fan if any malfunctions occur.

F-M14D5 DG

BAYU5



Installation Space (unit:mm)



Features

- 5-blade design for Better Air Delivery
- Enhanced Safety Features
- Remote Control with 3-Preset Speed
- 1, 3, 6-Hour Off Timer
- 3, 6-Hour Sleep Timer

Dimension

Width: Ø1400mm [56"]
Height: : 429mm

Colour

Dark Grey

F-M14D5 VBPH

BAYU 5



Features

- 5-blade design for Better Air Delivery
- Enhanced Safety Features
- Remote Control with 3-Preset Speed
- 1, 3, 6-Hour Off Timer
- 3, 6-Hour Sleep Timer

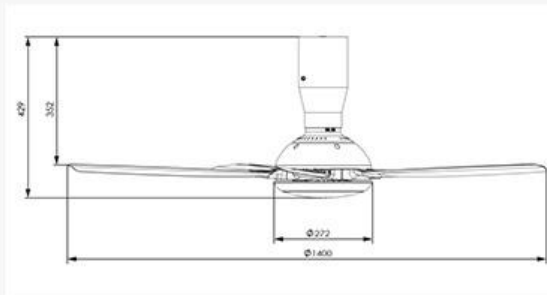
Dimension

Width: Ø1400mm (56")
Height: 429mm

Colour

Brown

Installation Space (unit:mm)

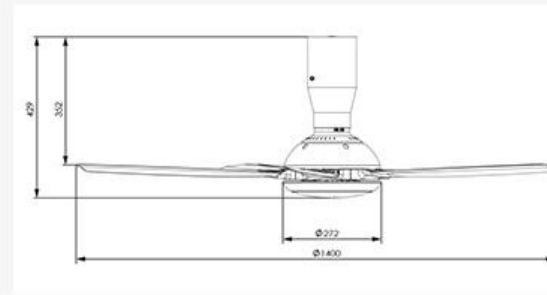


F-M14D5 WT

BAYU 5



Installation Space (unit:mm)



Features

- 5-blade design for Better Air Delivery
- Enhanced Safety Features
- Remote Control with 3-Preset Speed
- 1, 3, 6-Hour Off Timer
- 3, 6-Hour Sleep Timer

Dimension

Width: Ø1400mm (56")
Height: 429mm

Colour

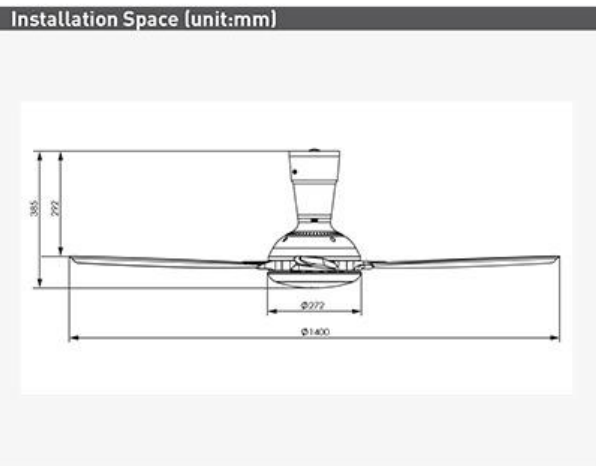
White

F-M14C5 DG

BAYU

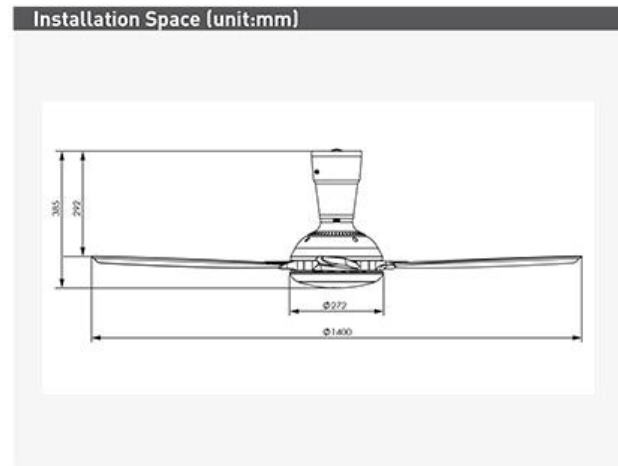


Features
<ul style="list-style-type: none"> • 4-blade Design • Enhanced Safety Features • Remote Control with 3-Preset Speed • 1, 3, 6-Hour Off Timer • 3, 6-Hour Sleep Timer
Dimension
Width: \varnothing 1400mm [56"] Height: : 385mm
Colour
Dark Grey



F-M14C5 VBPH

BAYU



Features
<ul style="list-style-type: none"> • 4-blade Design • Enhanced Safety Features • Remote Control with 3-Preset Speed • 1, 3, 6-Hour Off Timer • 3, 6-Hour Sleep Timer
Dimension
Width: \varnothing 1400mm [56"] Height: : 385mm
Colour
Brown

F-M14C5 WT

BAYU



Features

- 4-blade Design
- Enhanced Safety Features
- Remote Control with 3-Preset Speed
- 1, 3, 6-Hour Off Timer
- 3, 6-Hour Sleep Timer

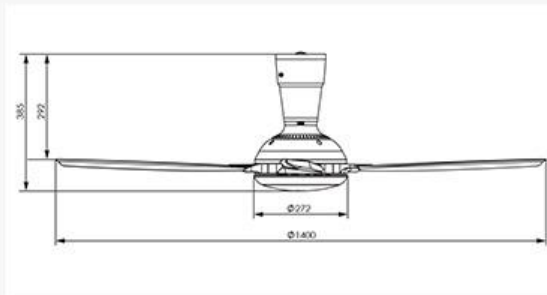
Dimension

Width: $\varnothing 1400\text{mm}$ [56"]
Height: : 385mm

Colour

White

Installation Space (unit:mm)

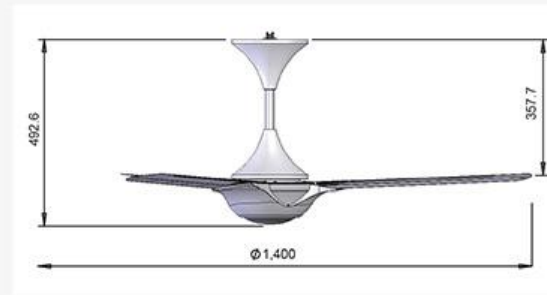


F-M14C2

BAYU



Installation Space (unit:mm)



Features

- New 3-blade Design
- Enhanced Safety Features
- Remote Control with 3-Preset Speed
- 1, 3, 6-Hour Off Timer
- 3, 6-Hour Sleep Timer

Dimension

Width: $\varnothing 1400\text{mm}$ [56"]
Height: : 492.6mm

Colour

Grey

F-M12D2



Features

- New 3-blade Design
- Enhanced Safety Features
- Remote Control with 3-Preset Speed
- 1, 3, 6-Hour Off Timer
- 3, 6-Hour Sleep Timer
- No hook required
- Hanger plate included

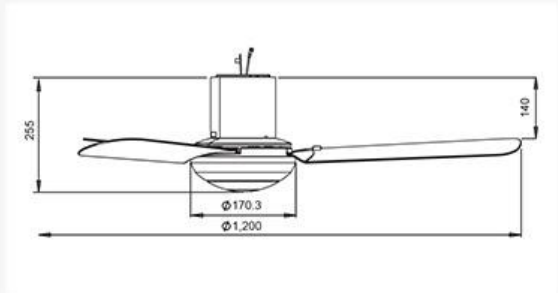
Dimension

Width: \varnothing 1200mm [48"]
 Height: : 255mm

Colour

Silver

Installation Space (unit:mm)



Regulator Ceiling Fan

5-speed Electronic Regulator

Provides you a variation of speed – from soothing breeze to the strong breeze selection to suit your needs

Enhanced Safety Features

Safety limit switch cuts the power supply should any malfunctions occur

Blade safety plate prevent any mishaps should blade screws give way.

Safety wire keeps the fan intact to prevent mishaps
Thermal safety fuse protects fan from electrical surges

Technologically Advance Motor

Durable motor that provides you maximum breeze with minimal noise



F-M15A0

Regulator Fan



Features

- 5-speed Electronic Regulator
- Low Noise
- Wider Sweeping Blades
- Enhanced Safety Features
- Durable, Technologically Advanced Motor

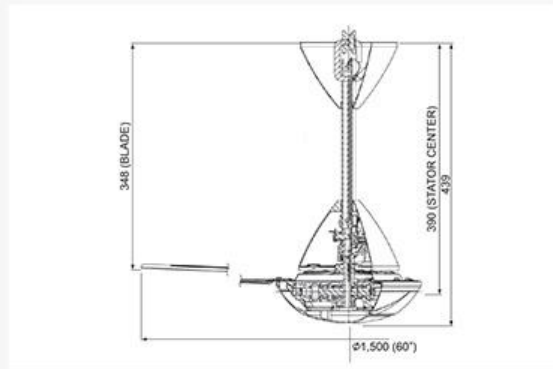
Dimension

Width: $\varnothing 1500\text{mm}$ (60")
Height: 439mm

Colour

White

Installation Space (unit:mm)

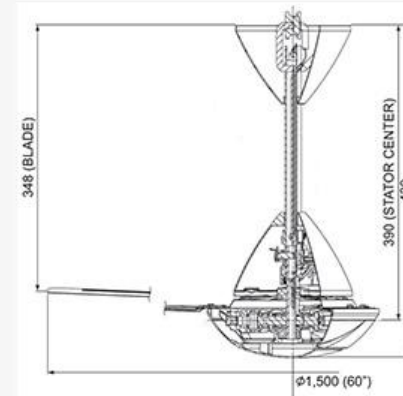


F-M15A0 GY

Regulator Fan



Installation Space (unit:mm)



Features

- 5-speed Electronic Regulator
- Low Noise
- Wider Sweeping Blades
- Enhanced Safety Features
- Durable, Technologically Advanced Motor

Dimension

Width: $\varnothing 1500\text{mm}$ (60")
Height: 439mm

Colour

Dark Grey

F-M15B0

Regulator Fan



Features

- 5-speed Electronic Regulator
- Low Noise
- Wider Sweeping Blades
- Enhanced Safety Features
- Durable, Technologically Advanced Motor

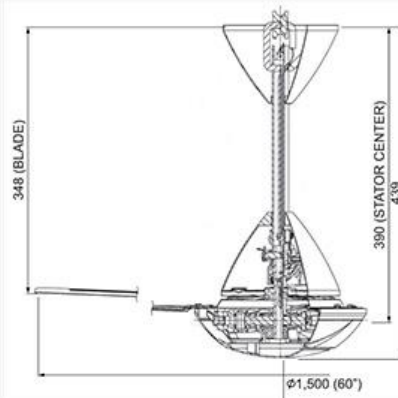
Dimension

Width: $\varnothing 1500\text{mm}$ (60")
Height: 439mm

Colour

Mild Gold

Installation Space (unit:mm)

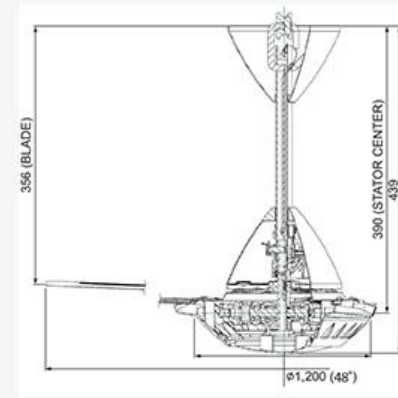


F-M12A0

Regulator Fan



Installation Space (unit:mm)



Features

- 5-speed Electronic Regulator
- Low Noise
- Wider Sweeping Blades
- Enhanced Safety Features
- Ideal For Small Rooms and Spaces



















Dimension

Width: $\varnothing 1200\text{mm}$ (48")
Height: 439mm

Colour

White

Product Line-Up

	ECONAVI	LED	NAMI	BAYU			REGULATOR			
5 Blades	 F-M15H5 [60"]	 F-M15GW [60"]	 F-M15E2 [60"]	 F-M14D5 DG [56"]	 F-M14D5 VBPH [56"]	 F-M14D5 WT [56"]				
4 Blades	 F-M14HW [56"]		 F-M14E2 [56"]	 F-M14C5 DG [56"]	 F-M14C5 VBPH [56"]	 F-M14C5 WT [56"]				
3 Blades		 F-M12GX VBHQH [48"]		 F-M 12D2 [48"]	 F-M 14C2 [56"]		 F-M15A0 [60"]	 F-M15A0 GY [60"]	 F-M15B0 [60"]	 F-M12A0 [48"]
FEATURES										
- DC Motor Technology	•	•								
- LED Lighting		•								
- Temperature Sensor	•									
- Yuragi	•	•	•							
- Remote Control	•	•	•	•	•	•				
- Enhance Safety Features	•	•	•	•	•	•	•	•	•	•

Specification

Ceiling Fan

SERIES	ECONAVI				LED				NAMI FAN		BAYU 5 FAN		BAYU 4 FAN	BAYU 3 FAN	BAYU JR FAN	REGULATOR FAN		
MODEL	50Hz		F-M15H5	F-M14HW	F-M15GW	F-M12GX VBHQH	F-M15E2	F-M14E2	F-M14D5 DG/VBPH/WT		F-M14C5 DG/VBPH/WT	F-M14C2	F-M12D2	F-M15A0/GY	F-M15B0	F-M12A0		
Power Consumption	Low	W	3	2.5	25	21	21	20	21		20	34	21	17	17	18		
	High	W	41	41	63	46	85	85	69		68	65	85	72	72	51		
Fan Speed	Low	RPM	80	81	80	80	84	102	95		102	113	205	103	103	154		
	High	RPM	235	239	235	236	195	215	183		196	257	250	240	240	303		
Air Velocity	m/min		210	185	210	185	195	180	170		170	159	185	165	165	169		
Air Delivery	m ³ /min		245	225	245	187	225	225	215		215	210	187	230	230	162		

General Fan

SERIES	STAND FAN (WITH TIMER)		STAND FAN		TABLE FAN				OSCILLATION FAN		WALL FAN (WITH REMOTE CONTROL)	WALL FAN			
MODEL	50Hz		F-MT405	F-MX405	F-MN404	F-MN304		F-MQ409	F-MQ409 DG	F-MU44R		F-MU453	F-MU408	F-MU308	F-MU405
Power Consumption	Low	W	45	45	45	28		20	20	45		46	45	28	43
	High	W	58	58	58	39		52	52	59		60	54	38	54
Fan Speed	Low	RPM	850	850	850	976		631	631	891		850	891	945	966
	High	RPM	1,210	1,210	1,210	1,248		1,178	1,178	1,175		1,085	1,175	1,228	1,210
Air Velocity	m/min		250	250	250	214		278	278	251		258	258	214	192
Air Delivery	m ³ /min		84.6	84.6	84.6	43		85	85	85		85	85	43	80

Ventilation Fan

SERIES	WALL MOUNT (INDUSTRIAL)																GLASS MOUNT				CEILING MOUNT				CEILING MOUNT SIROCCO											
MODEL	50Hz		FV-25AUF1		FV-10EGK1		FV-15EGK1		FV-20AUM8		FV-25AUM7		FV-30AUM8		FV-20AL9		FV-25AL9		FV-40KUTP		FV-15WU4		FV-20WU4		FV-25TGU3		FV-20CUT1P		FV-17CLM XVBSh		FV-17CLM XVBHh		FV-24CLM XVBSh		FV-24CLM XVBHh	
Air Volume	cfm	cmh	491	835	45	75	96	165	318	540	530	900	727	1,235	322	545	493	835	1,243	2,115	124	210	212	360	367	625	265	450	53	90	53	90	94	160	94	160
Motor	W		34		6		7		17		29		33		22		29		68		8		16		24		26		13		13		17		17	
Fan Speed	RPM		1,100		2,732		2,405		1,205		1,110		980		1,210		1,055		1,220		1,463		1,042		1,010		1,207		860		860		795		795	
Weight	kg		2.8		1.2		1.5		2.3		2.6		3.0		2.2		2.7		6.4		0.9		1.1		1.9		1.8		2.0		2.0		3.2		3.2	
Low Noise Level	dB		42		33		35		37		39		45		40		43		51		35		32		45		41		29		29		31		31	
Low Electricity Consumption 24 Hours	RM		0.18		0.03		0.04		0.09		0.15		0.17		0.12		0.15		0.36		0.04		0.08		0.13		0.14		0.07		0.07		0.09		0.09	