



Don't just settle for less...

**GO FOR MORE**





STANDARD is a key brand of Havells India Ltd., India's leading FMEG Company that offers a wide range of highly differentiated Domestic & Conventional Switchgear products and Domestic Cables. The brand has been serving the Indian customers for over five decades and has built a formidable reputation with its high quality products in the domestic as well as international markets. The brand holds special connect with the nation's youth as it offers trendy designs and vibrant colours.

Standard offers products such as MCBs, RCCBs, Distribution Boards (DBs), RCBOs Changeover Switches, Switch Disconnecter Fuses (SDFs), HBC Fuses, Modular Switches, Copper Flexible Cables etc. In 2014-15, STANDARD marked its entry into consumer product category with the launch of premium range of Fans. Today, STANDARD boasts of a comprehensive range of ceiling, table, wall-mounted, pedestal fans and domestic exhaust fans. As part of its strategy to expand bouquet of products, STANDARD has entered into water heater segment during FY17-18 as planned and plan to make foray into other segments soon.

STANDARD has a well-entrenched marketing and distribution network in the country with over 42 branch offices, 3000 authorized dealers, 30 Exclusive Brand Stores, and 20,000 strong retail outlets. The company also has a wide presence in International markets including SAARC Countries, Middle East, South East Asian countries, Malaysia, Singapore, South Africa, Kenya, Ghana, and Nigeria.

Standard has comprehensive infrastructure with state of the art facilities including plant, machinery and testing. STANDARD products are manufactured at the most modern plants located in different parts of the country such as Haridwar, Baddi, Sahibabad, Neemrana, Faridabad and Alwar. All STANDARD products are designed in adherence to Indian & International specifications and tested by nationally accredited laboratories CPRI/ERDA.

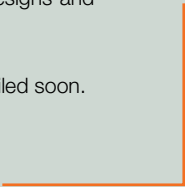
A strong R&D is in Standard's DNA as it constantly innovates and improves to deliver world-class products. Its R&D centers are equipped with supreme quality CAD/CAM machines for its entire stage of design and development. The R&D team continuously works to create new products with high reliability and safety that satisfactorily cater to the ever-changing demands of various segments of customers. All its products are manufactured with the capacity to carry 10% higher current and can withstand abrupt jump in temperatures even during severe overloading conditions. It offers best in class safety features along with better performance during low voltage conditions as well. STANDARD's entire product range offers high performance, best design and superior features like energy savings, longer life and shock proof to name a few.

With its mission to offer quality products, efficient customer service and everlasting relationship with partners, STANDARD holds unbeatable advantages

like expertise in LT Switchgear since last four decades, technology leadership, excellent brand perception, wide dealer network, excellent after sales service and value for money to its customers.

Today, STANDARD FANS are also carving a niche in the highly competitive and fragmented market of fans with some of the best designs and features that backed by latest technology. The entire range comes with a 2 year warranty backed by best-in-class after sales support.

The R & D and Business Development Teams at STANDARD are now working on many new product categories which would be unveiled soon.



Corporate Office





# CEILING FANS

Stator Shop



- State-of-the-art winding process using programmed winding machines
- Compact & layered coils
- Hi-tech microprocessor based testing equipment ensure long life of motor winding
- Integrated conveyerised system for pre-heating, varnishing & baking of stator. LPG oven ensures uniform baking and pollution-free environment
- Excellent quality 'Six Sigma'

Paint Shop



- Fully integrated state-of-the-art pre-treatment system & paint system
- PLC controlled time cycle for transporter movement during pre-treatment process in each tank
- Nano technology solutions used for pre-treatment. Environmental & pollution-free chemicals are used in the system
- PLC controlled paint system monitoring, reciprocator movement, bell applicator for paint, conveyor speed etc.
- LPG operated ovens for baking ensures high heat transfer efficiency & pollution-free environment

Assembly



- Conveyerised motor & blade assembly lines ensure single piece flow & consistently high productivity
- Assembly process equipped for manufacturing 2 lac fans per month
- Each stage of assembly is equipped with latest technology machines & mechanisms
- Automation in online packing with latest technology machines for accuracy & productivity

Testing & Quality Control



- Latest technology testing equipment & systems used in process quality assurance
- Modern testing facilities for 100% motor & blade verification before packing
- Internal product audit system at each stage of manufacturing to enhance customer delight
- Fully integrated automation system air delivery measurement for ceiling fans
- Modern CNC controlled testing panel to ensure quality and performance of each fan for all required parameters in an acoustic controlled environment
- Incoming, inprocess & finished product quality assurance done by a team of qualified & dedicated professionals

Centre For Research & Innovation



- This research facility is dedicated to develop path breaking products with emphasis on Design Excellence, Technology Advancement and Consumer Convenience.
- Research facility boasts of experts who develop best-in-class products
  - Panel of reputed international and Indian design houses create aesthetically appealing design
  - Dedicated in-house product design and engineering team seamlessly convert concepts to manufactured products

## PLANT

STANDARD FANS are carving a niche in the highly competitive and fragmented market of fans with some of the best designs and features that are backed by latest technology. The entire range comes with a 2 year warranty backed by superior after sales support.



# HARIDWAR PLANT



PREMIUM UNDERLIGHT | SPECIAL FINISH | BLDC | DESIGNER |  
DECORATIVE | REGULAR

# EQUATOR ES



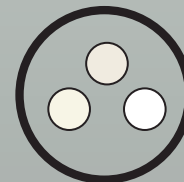
**+ WOOD FINISH + DECORATIVE LIGHT + BREEZE & SLEEP MODE**



Chrome White



**REMOTE  
CONTROLLED  
OPERATIONS**



**3 COLOR LED  
LIGHT WITH  
DIMMABLE FEATURE**



**LONG  
WARRANTY**



# PREMIUM UNDER LIGHT CEILING FAN



Walnut Gold



Pearl White

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**320 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**



# CLASSIK ES



**+ ELECTROPLATING  
FINISH**

**+ DOUBLE BALL  
BEARING**

**+ WIDER BLADES FOR  
HIGH AIR DELIVERY**



Antique Copper



**RIBBED BLADE FOR  
BETTER BLADE STRENGTH**



**LONG  
WARRANTY**

# SPECIAL FINISH CEILING FAN



Antique Brass



Antique Copper



Brushed Nickel

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

900 mm to be launched

# ROCKSTAR ES



**+ RAINBOW STYLE + CONTEMPORARY DESIGN + SUPERIOR AIR DELIVERY**



Kids Fans-  
Rainbow Style



LONG  
WARRANTY





# SPECIAL FINISH CEILING FAN



Creates Rainbow

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**226 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

**NEW**

# FRORER BLDC



**+ BLDC MOTOR + 50 % MORE ENERGY SAVING STAR + SUPER SPEED 380 r/min (RPM)**



Elegant White  
Chrome



**RADIO  
FREQUENCY  
REMOTE**



**COLOUR  
OPTIONS**



**LONG  
WARRANTY**



# BLDC CEILING FAN



Matt Blue Silver Chrome



Smoke Brown



Elegant White Copper



Parameter & Criteria	Frorer BLDC 32 W - 35 W*	Ordinary Fans - 75 W*
<b>Cost of Electricity / Month @ ₹ 7.00* per kWh (₹ 7.00 per unit)</b>	<b>₹ 107.52</b>	<b>₹ 252.00</b>
Calculation based on average usage of cost of electricity for 1200 mm sweep. Wattage may vary upto 5%		

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**32 W**

Speed r/min (RPM)  
**380 r/min**

Air Delivery m<sup>3</sup>/min  
**225 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions



**NEW**

# ZINGER BLDC



**+ BLDC MOTOR + 50 % MORE ENERGY SAVING STAR + SUPER SPEED 380 r/min (RPM)**



Smoke Brown



**RADIO  
FREQUENCY  
REMOTE**



**COLOUR  
OPTIONS**



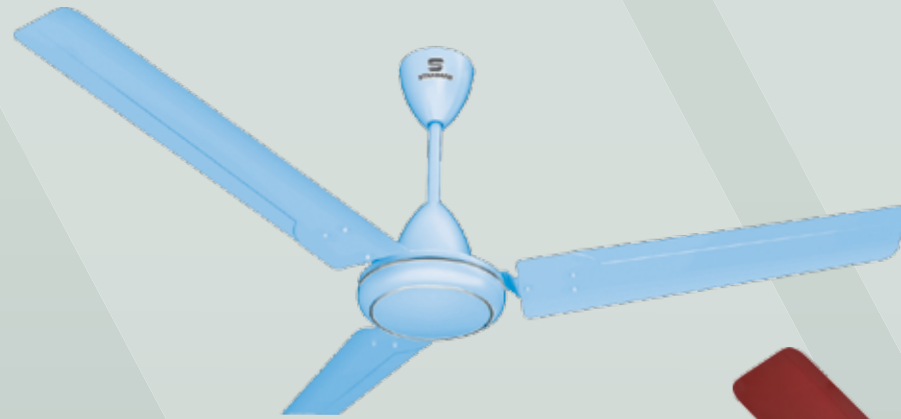
**2  
YEARS**

**LONG  
WARRANTY**



**MADE  
IN INDIA**

# BLDC CEILING FAN



Sky



Brown



Elegant White



Parameter & Criteria	Zinger BLDC 32 W*	Ordinary Fans - 75 W*
<b>Cost of Electricity / Month @ ₹ 7.00* per kWh (₹ 7.00 per unit)</b>	<b>₹ 107.52</b>	<b>₹ 252.00</b>
Calculation based on average usage of cost of electricity for 1200 mm sweep. Wattage may vary upto 5%		

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**32 W**

Speed r/min (RPM)  
**380 r/min**

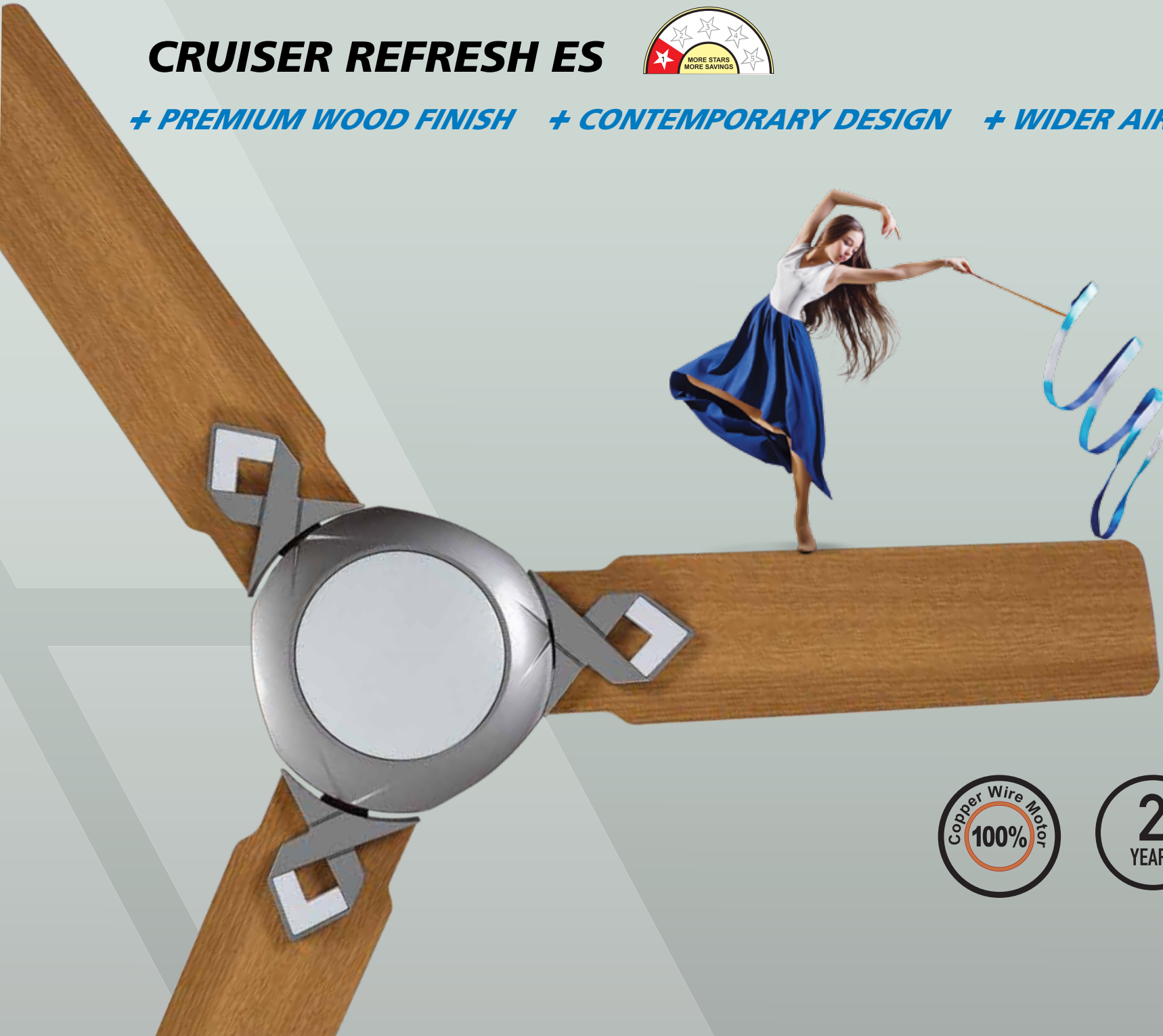
Air Delivery m<sup>3</sup>/min  
**225 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

# CRUISER REFRESH ES



**+ PREMIUM WOOD FINISH + CONTEMPORARY DESIGN + WIDER AIR DELIVERY**



American Walnut



LONG WARRANTY



# DESIGNER CEILING FAN



American Wenge



American Walnut

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions



# DASHER PRIME ES WOODLORE



**+ WOOD FINISH DESIGN + SUPER SPEED 390 r/min (RPM) + DUST RESISTANT**



Champagne  
Cherry Wood



WIDE RANGE



LONG  
WARRANTY



# DESIGNER CEILING FAN



Beige Char  
Wood



Pearl White  
Wood



Pearl Brown  
Pine Wood



Gold Palm  
Wood

Sweep (mm)

**1200 mm**

**900 mm\*\***

**600 mm\***

Voltage (V)

**230 V**

**230 V**

**230 V**

Power Inputs (Watt)

**55 W**

**42 W**

**65 W**

Speed r/min (RPM)

**390 r/min**

**420 r/min**

**860 r/min**

Air Delivery m<sup>3</sup>/min

**222 m<sup>3</sup>/min**

**140 m<sup>3</sup>/min**

**100 m<sup>3</sup>/min**

# BRISK ES



**+ METALLIC FINISH + SUPER SPEED 390 r/min (RPM) + DUST RESISTANT**



Metallic Black  
Lt. Copper



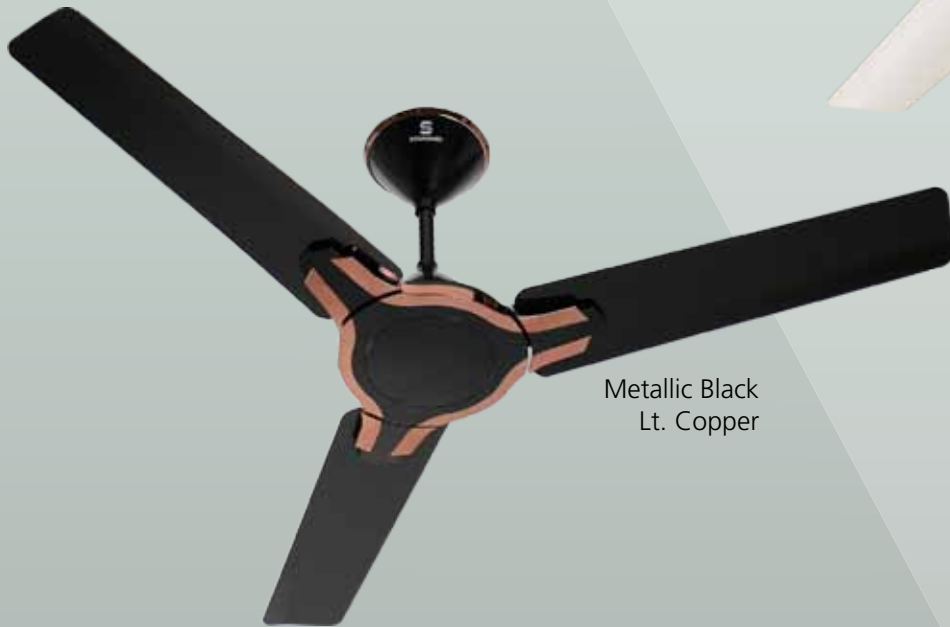
LONG  
WARRANTY



# DESIGNER CEILING FAN



Pearl White  
Lt. Copper



Metallic Black  
Lt. Copper



Pearl Brown Lt. Copper

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**



# FOLIUM ES



**+ METALLIC FINISH + SUPER SPEED 390 r/min (RPM) + DUST RESISTANT**



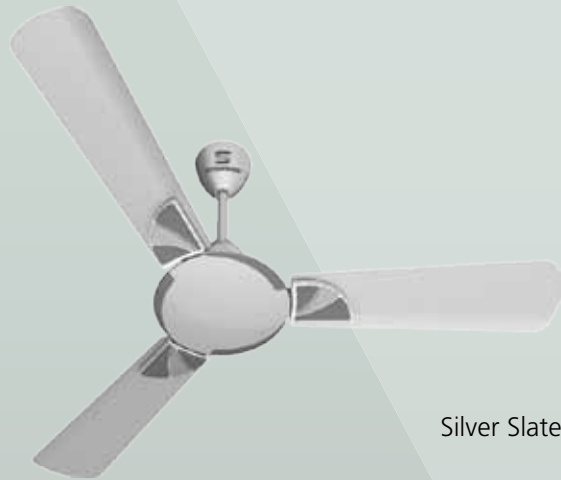
Dusk  
Champagne



LONG  
WARRANTY



# DESIGNER CEILING FAN



Silver Slate



Pearl Brown-Beige



Saphire-Silver



Pearl White

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**

# VERTEX ES



**+ DESIGNER RANGE + WIDER AIR DELIVERY + DUST RESISTANT**



Champagne



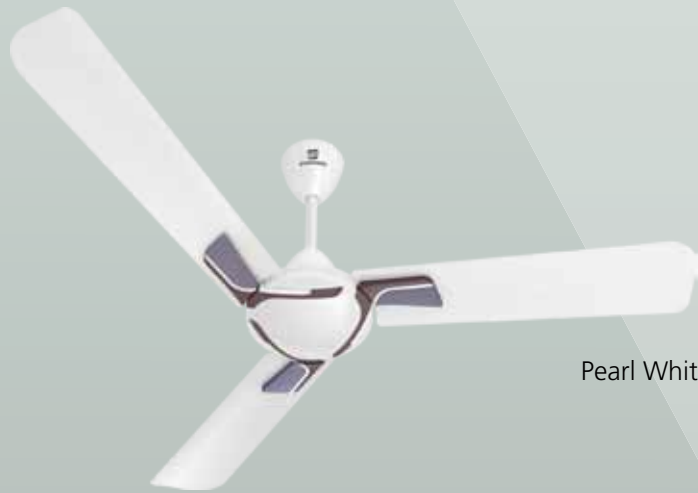
LONG WARRANTY



# DESIGNER CEILING FAN



Sapphire



Pearl White



Metallic Black

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**



# AMAZER ES



**+ METALLIC / MATT FINISH + CONTEMPORARY DESIGN + DUST RESISTANT\***



Indigo Blue



LONG WARRANTY



# DESIGNER CEILING FAN



Indigo Blue



Rainbow Ivory Gold



Espresso Brown Copper

Sweep (mm)  
**1200 mm**

Voltage (V)  
**240 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

# AMEO ES *Premium*



**+ METALLIC FINISH + SUPER SPEED 390 r/min (RPM) + WIDER AIR DELIVERY**



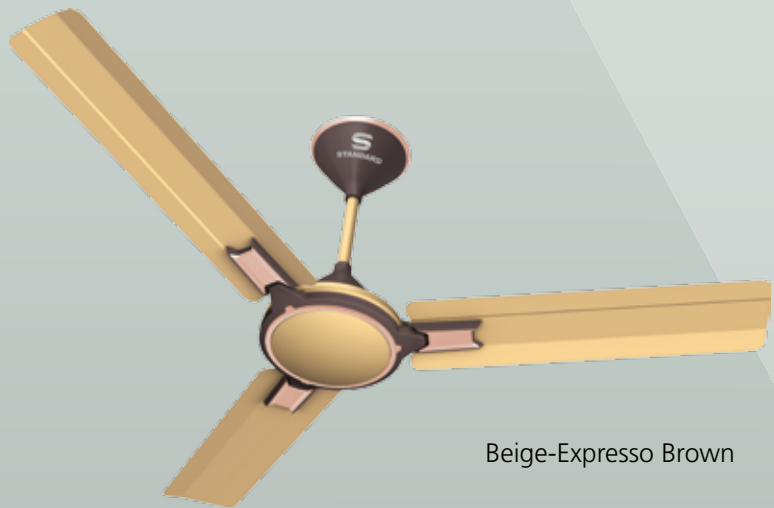
Pearl White-  
Gold Mist



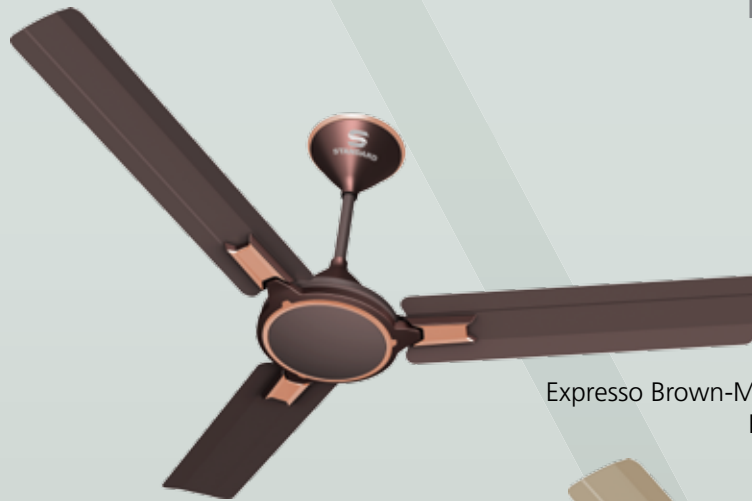
LONG  
WARRANTY



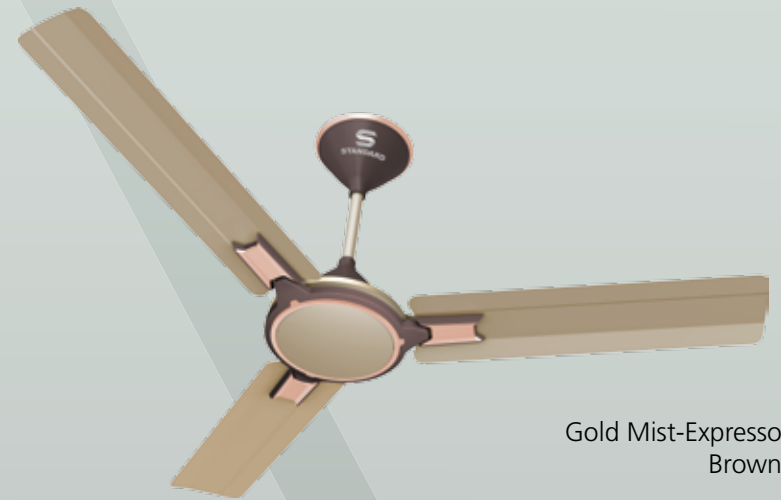
# DECORATIVE CEILING FAN



Beige-Expresso Brown



Expresso Brown-Metallic Brown



Gold Mist-Expresso Brown

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions



# QITE PRO ES



**+ CONTEMPORARY DESIGN + DUAL COLOUR FINISH + DUST RESISTANT**



Pearl White  
Pearl Ivory



LONG  
WARRANTY



# DESIGNER CEILING FAN



Aqua  
Sapphire



Mist  
Champagne



Pearl White  
Baby Blue

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**

# ORLANDO ES



**+ FLUSHED DECORATIVE TRIM + METALLIC FINISH + DUST RESISTANT**



Bronze-Pearl  
Brown



LONG  
WARRANTY



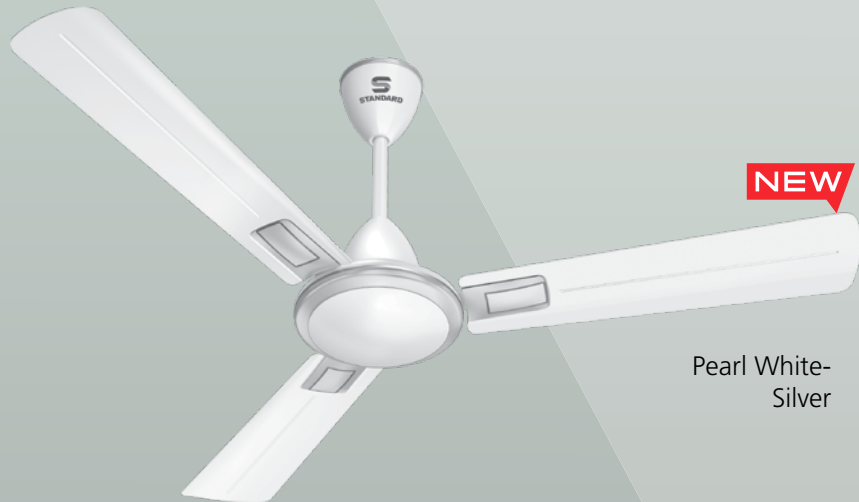
# DESIGNER CEILING FAN



Bronze-Pearl Brown



Gold Mist-Dusk



Pearl White-Silver



Metallic Bronze-Brown

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**52 W**

Speed r/min (RPM)  
**380 r/min**

Air Delivery m<sup>3</sup>/min  
**220 m<sup>3</sup>/min**

# FRORER DECOR ES



**+ DECORATIVE ART + METALLIC FINISH + DUST RESISTANT**



Champagne –  
Pearl Brown



LONG  
WARRANTY





# DESIGNER CEILING FAN



Mist-Dusk



Champagne -Pearl Brown



Pearl White

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions | 900 mm to be launched

# STELLAR PREMIUM ES



**+ DUAL TONE METALLIC FINISH + SUPER SPEED 390 r/min (RPM) + DUST RESISTANT**



Dusk Rose Gold



LONG WARRANTY



# DECORATIVE CEILING FAN



Pearl Brown - Bronze



White Silver



Gold Beige



Espresso Brown  
Champagne

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**

# FRORER ES



**+ SUPER SPEED 390 r/min (RPM) + CONTEMPORARY DESIGN + MATT FINISH\*\***



Bianco Gold



WIDE RANGE



MATTE COLOUR  
FINISH



# DECORATIVE CEILING FAN



Matt Blue  
Indigo Chrome



Coffee Brown  
Copper



Elegant White  
Copper



Elegant White  
Chrome

**NEW**

Sweep (mm)	Voltage (V)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /min
1400 mm	230 V	60 W	290 r/min	246 m <sup>3</sup> /min
1200 mm	230 V	55 W	390 r/min	222 m <sup>3</sup> /min
900 mm	230 V	42 W	430 r/min	140 m <sup>3</sup> /min
600 mm***	230 V	62 W	860 r/min	100 m <sup>3</sup> /min

\*Under standard in house laboratory test conditions | \*390 r/min (RPM) not applicable for 1400 mm sweep | \*\*Matt finish available in brown & Indigo blue colour | \*\*\*Star rating not applicable on 600 mm sweep.



**NEW**

**FLORO ES**



**+ SUPER SPEED 390 r/min (RPM) + WIDER AIR DELIVERY + MATAALLIC FINISH\*\***



Indigo Blue  
Champagne



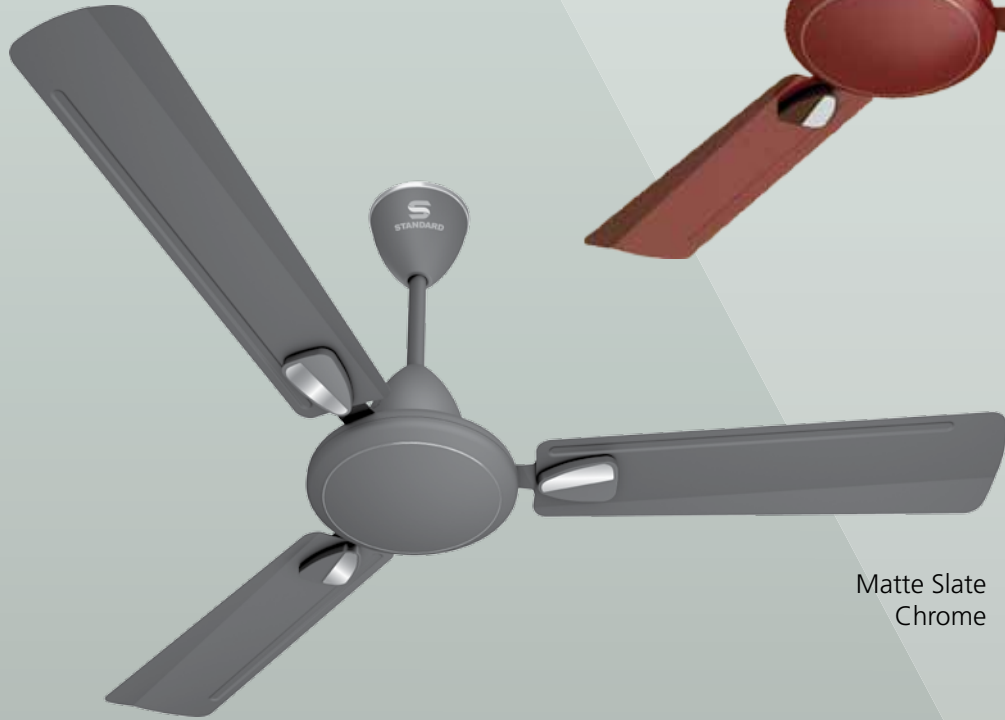
LONG  
WARRANTY



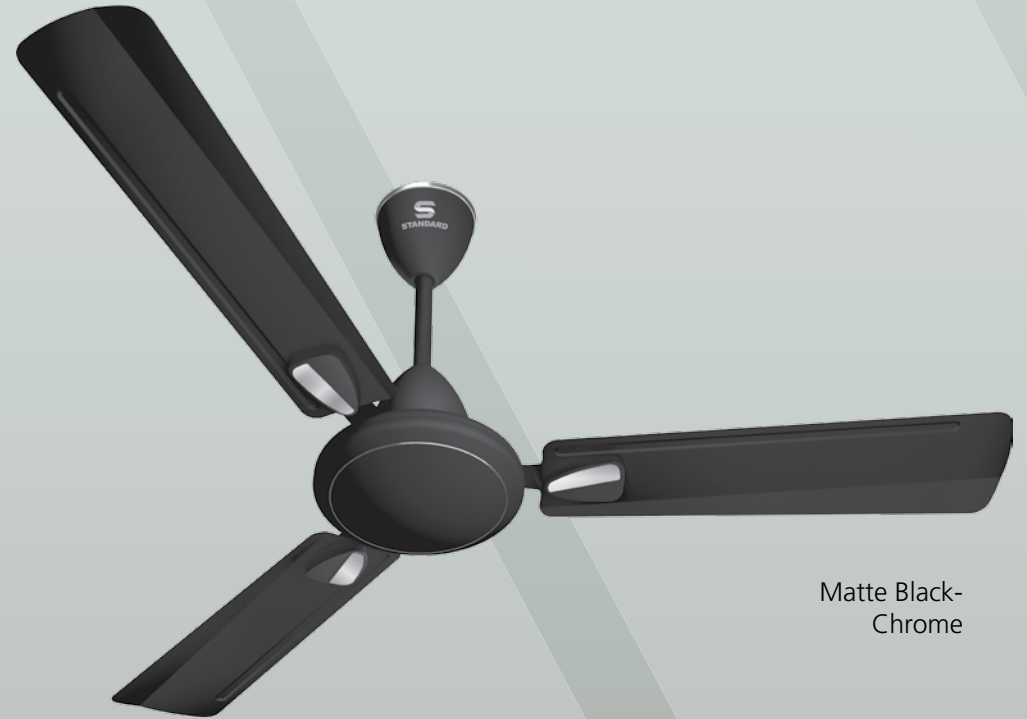
# DECORATIVE CEILING FAN



Maroon-Espresso  
Brown



Matte Slate  
Chrome



Matte Black-  
Chrome

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

# KEYA ES



**+ SUPER SPEED 390 r/min (RPM) + WIDER AIR DELIVERY + ANTI RUST**



Smoke Brown  
Quartz



LONG  
WARRANTY



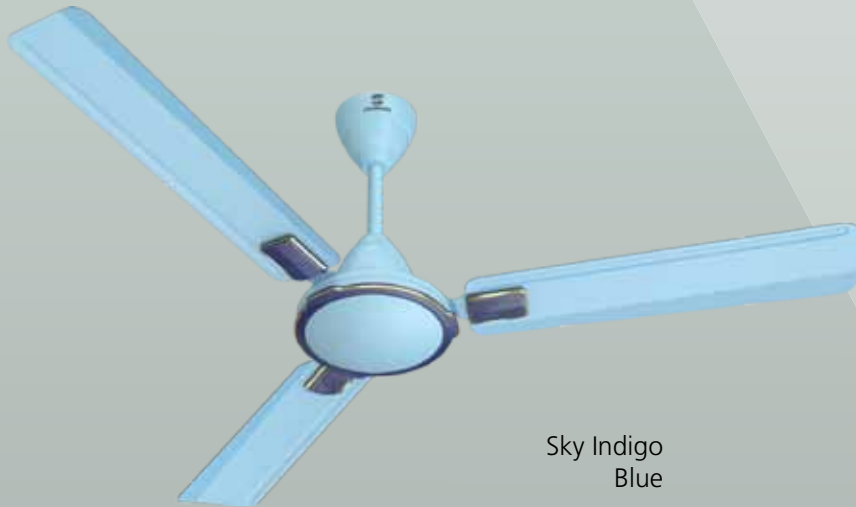
# DECORATIVE CEILING FAN



Bianco-Ocher



Brown-Coral



Sky Indigo Blue



White-Grey Chrome

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

**NEW**

# GLITZR ES



**+ DUAL TONE METALLIC FINISH + WIDER AIR DELIVERY + DUST RESISTANT**



White -  
Espresso Brown

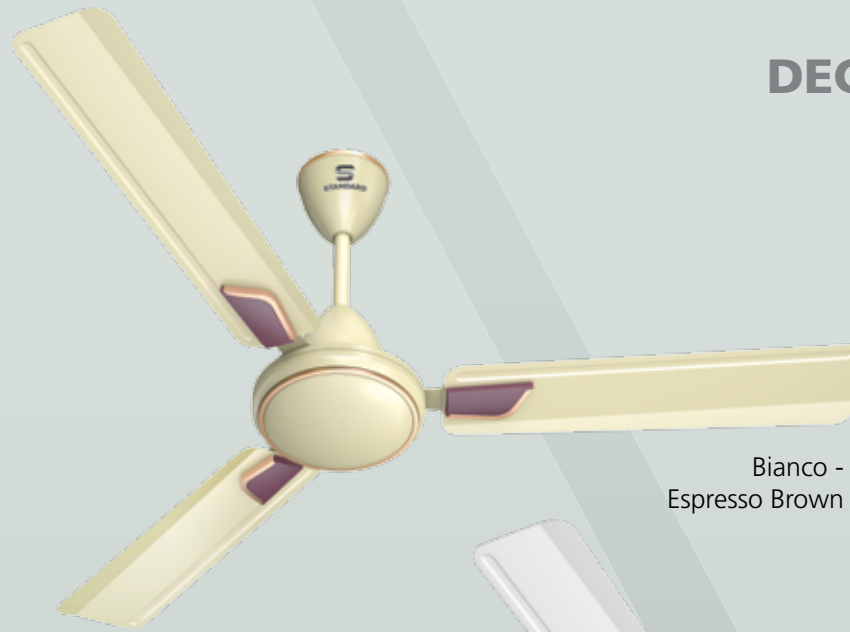


LONG  
WARRANTY





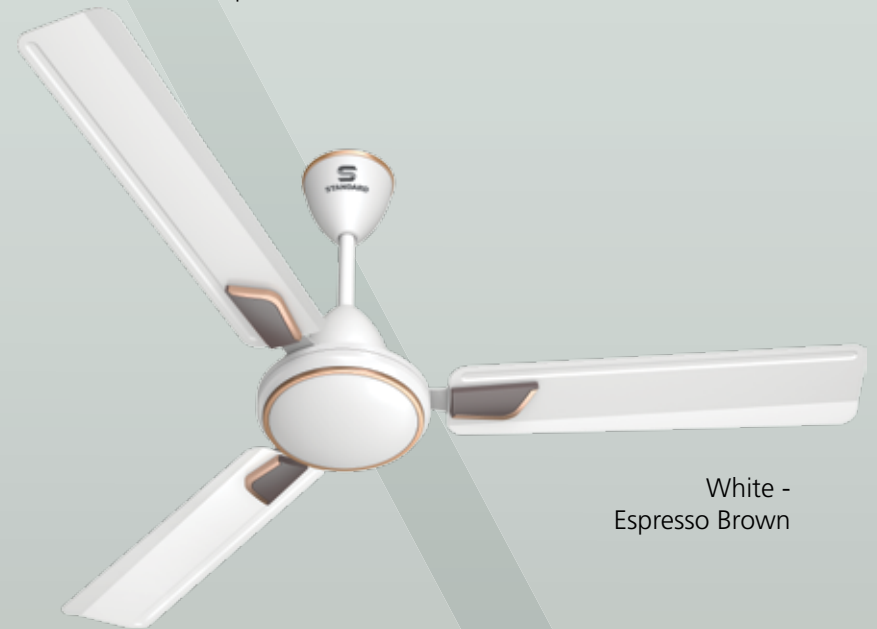
# DECORATIVE CEILING FAN



Bianco -  
Espresso Brown



Smoke Brown -  
Espresso Brown



White -  
Espresso Brown

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

# BREEZER PREMIUM ES



**+ DUAL TONE METALLIC FINISH + WIDER AIR DELIVERY + DUST RESISTANT**



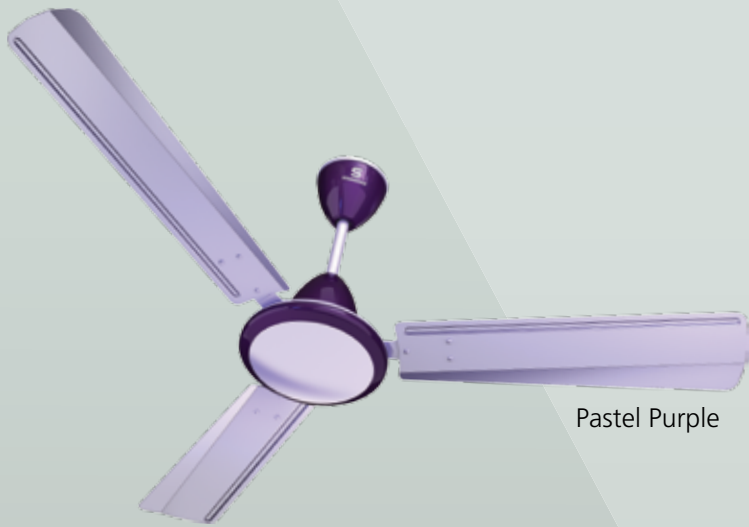
Espresso Brown  
Mist



LONG  
WARRANTY



# REGULAR CEILING FAN



Pastel Purple



Beige Pearl Brown



Mist Honey



Pearl White Mist

Sweep (mm)  
**1200 mm**

Voltage (V)  
**240 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

# BREEZER ES



**+ FULL COPPER MOTOR + WIDER AIR DELIVERY + ANTI RUST**



Smoke Brown



COLOUR  
OPTIONS



LONG  
WARRANTY



# REGULAR CEILING FAN



Pearl  
Brown



Pearl  
White



Mauve

Sweep (mm)  
**1200 mm**

Voltage (V)  
**240 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions | \*400 r/min (RPM) not applicable for 1400 mm sweep | 900 mm to be launched



# SAILOR ES *Premium*



**+ PREMIUM METALLIC FINISH**

**+ SUPER SPEED 390 r/min (RPM)**

**+ DUST RESISTANT**



Champagne  
Gold



LONG  
WARRANTY



# REGULAR CEILING FAN



Gold



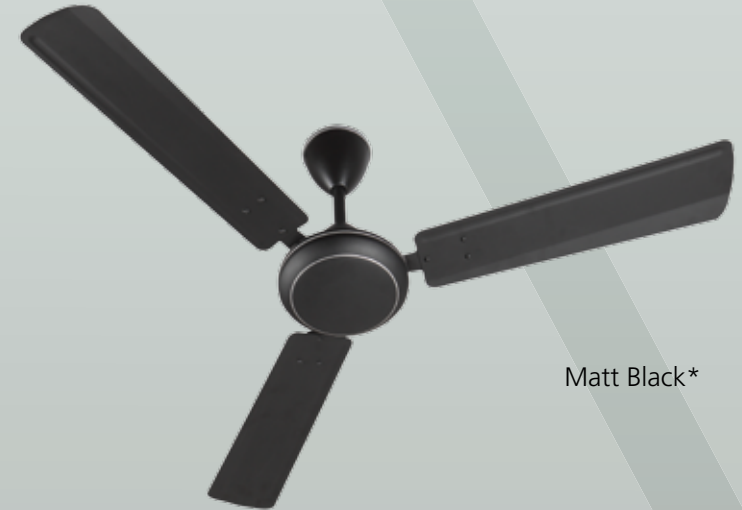
Metallic Brown  
- Gold



Pearl White  
Silver



Pearl White  
Lt Copper



Matt Black\*

Sweep (mm)  
**1200 mm**  
**900 mm**

Voltage (V)  
**230 V**  
**230 V**

Power Inputs (Watt)  
**55 W**  
**42 W**

Speed r/min (RPM)  
**390 r/min**  
**420 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**  
**140 m<sup>3</sup>/min**

# ZINGER 50



**+ FULL ALUMINIUM BODY + 2 STAR + ANTI RUST**



Brown



LONG WARRANTY



# BLDC CEILING FAN



Brown



Sky



White



Bianco

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**50 W**

Speed r/min (RPM)  
**350 r/min**

Air Delivery m<sup>3</sup>/min  
**226 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

# SUPER SPEED 50 ES



**+ HIGH SPEED + WIDER AIR DELIVERY + ANTI RUST**



Sky



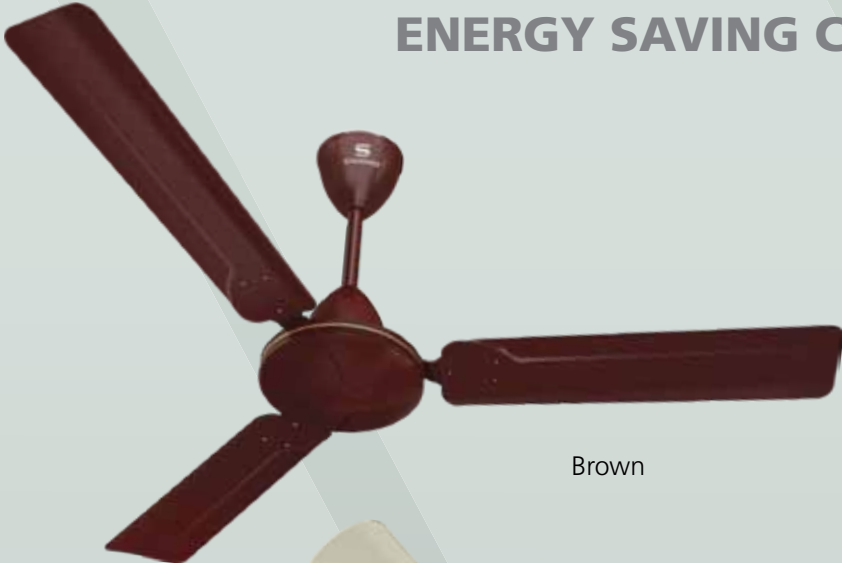
LONG WARRANTY



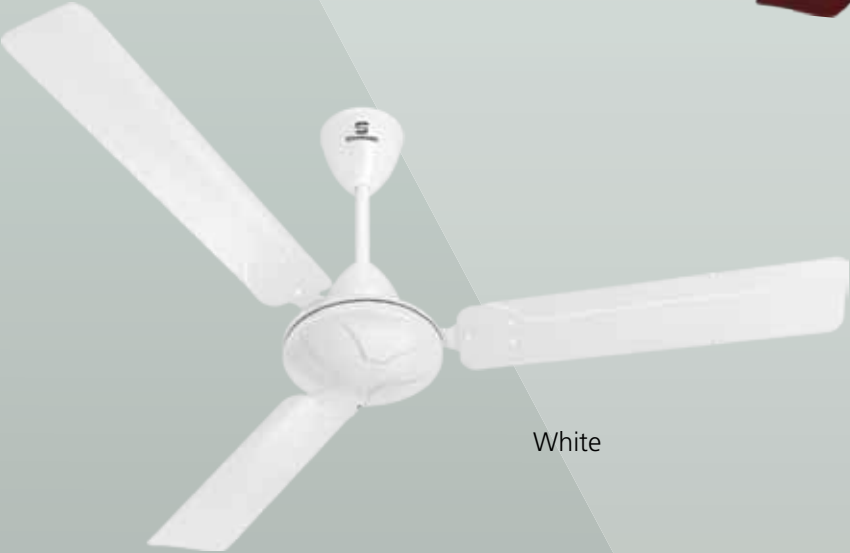
# ENERGY SAVING CEILING FAN



Coffee-Brown



Brown



White



Bianco

Sweep (mm)  
**1200 mm**

Power Inputs (Watt)  
**50 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**222 m<sup>3</sup>/min**

Under standard in house laboratory test conditions



# ZOE ES



**+ SUPER SPEED 390 r/min (RPM) + WIDER AIR DELIVERY + ANTI RUST**



Smoke Brown



WIDE RANGE



COLOUR  
OPTIONS



2  
YEARS  
LONG  
WARRANTY



MADE  
IN INDIA

# REGULAR CEILING FAN



Bianco



Brown



Sky Blue



White

Sweep (mm)

- 1400 mm
- 1200 mm
- 900 mm
- 600 mm\*\*

Voltage (V)

- 230 V
- 230 V
- 230 V
- 230 V

Power Inputs (Watt)

- 60 W
- 55 W
- 42 W
- 62 W

Speed r/min (RPM)

- 290 r/min
- 390 r/min
- 430 r/min
- 860 r/min

Air Delivery m<sup>3</sup>/min

- 246 m<sup>3</sup>/min
- 230 m<sup>3</sup>/min
- 140 m<sup>3</sup>/min
- 100 m<sup>3</sup>/min

# SPIDO ES



**+ SUPER SPEED 390 r/min (RPM) + WIDER AIR DELIVERY + ANTI RUST**



White



LONG WARRANTY



# REGULAR CEILING FAN



Brown



Bianco



White

Sweep (mm)  
**1200 mm**

Voltage (V)  
**230 V**

Power Inputs (Watt)  
**53 W**

Speed r/min (RPM)  
**390 r/min**

Air Delivery m<sup>3</sup>/min  
**218 m<sup>3</sup>/min**

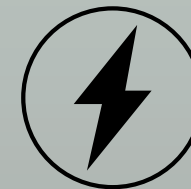
\*Under standard in house laboratory test conditions | \*400 r/min (RPM) not applicable for 1400 mm sweep

# SUPER 5 LEAF

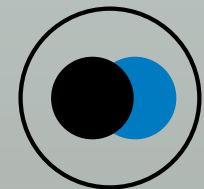
**+ PENTA BLADE + 25%\* LESS POWER CONSUMPTION + OVERLOAD PROTECTION**



**WEB MESH GUARD  
FOR HIGHER SAFETY**



**POWER  
55 W**



**ATTRACTIVE  
DUAL COLOR**

# PORTABLE FAN



SP 16



SW 01



ST 01

Model	Sweep (mm)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /min
<b>SP 16</b>	<b>400 mm</b>	<b>55 W</b>	<b>1350 r/min</b>	<b>80 m<sup>3</sup>/min</b>
<b>SW 01</b>	<b>400 mm</b>	<b>55 W</b>	<b>1350 r/min</b>	<b>80 m<sup>3</sup>/min</b>
<b>ST 01</b>	<b>400 mm</b>	<b>55 W</b>	<b>1350 r/min</b>	<b>80 m<sup>3</sup>/min</b>

\*Under standard in house laboratory test conditions

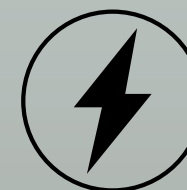


# ALFA HIGH SPEED

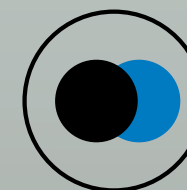
**+ SUPER SPEED 2100 r/min (RPM) + OVERLOAD PROTECTION + DOUBLE BALL BEARING**



**WEB MESH GUARD  
FOR HIGHER SAFETY**

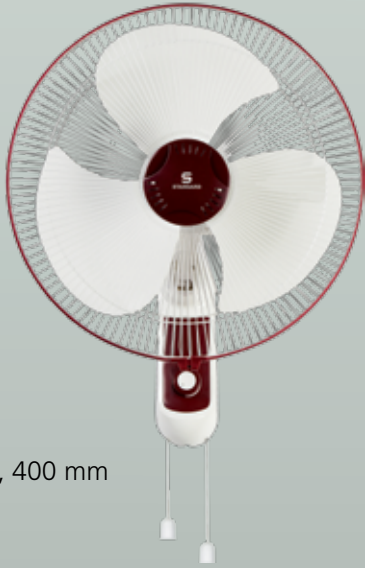


**POWER  
135 W**



**ATTRACTIVE  
DUAL COLOR**

# PORTABLE FAN



Wall Fan, 400 mm



Pedestal Fan, 400 mm



Table Fan, 400 mm



Wall Fan, 300 mm

Model	Sweep (mm)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /min
<b>Alfa HS Pedestal</b>	<b>400 mm</b>	<b>135 W</b>	<b>2100 r/min</b>	<b>90 m<sup>3</sup>/min</b>
<b>Alfa HS Wall</b>	<b>400 mm</b>	<b>110 W</b>	<b>2100 r/min</b>	<b>90 m<sup>3</sup>/min</b>
<b>Alfa HS Wall</b>	<b>300 mm</b>	<b>100 W</b>	<b>2100 r/min</b>	<b>70 m<sup>3</sup>/min</b>
<b>Alfa HS Table</b>	<b>400 mm</b>	<b>135 W</b>	<b>2100 r/min</b>	<b>90 m<sup>3</sup>/min</b>

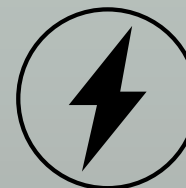
\*Under standard in house laboratory test conditions

# ALFA

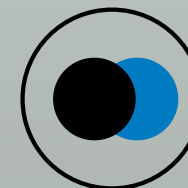
**+ AERODYNAMIC BLADE + OVERLOAD PROTECTION + LOW POWER CONSUMPTION**



**WEB MESH GUARD  
FOR HIGHER SAFETY**



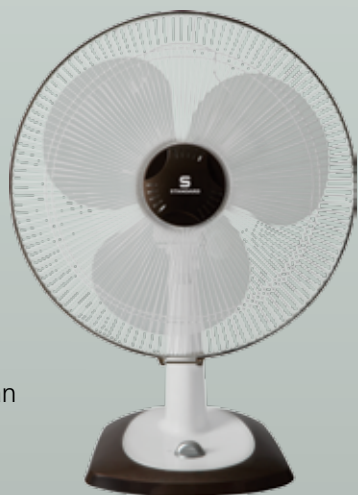
**POWER  
55 W**



**ATTRACTIVE  
DUAL COLOR**

# PORTABLE FAN

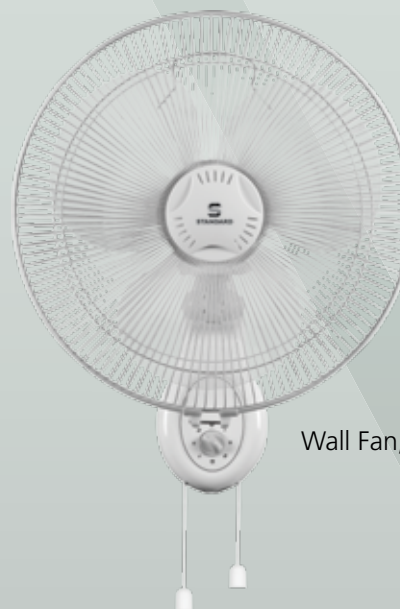
Table Fan



Pedestal Fan



Wall Fan, 400 mm



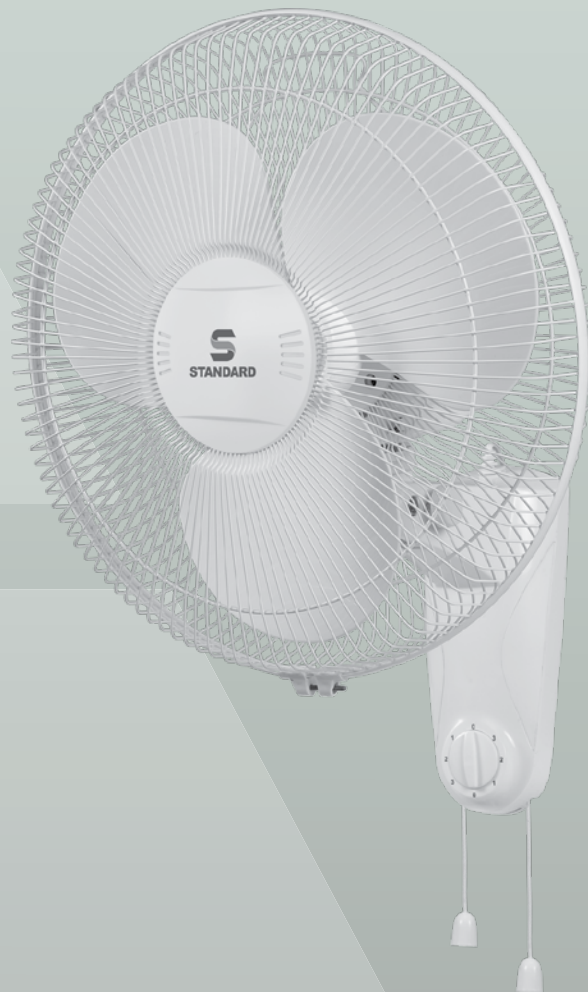
Wall Fan, 300 mm



Model	Sweep (mm)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /min
<b>Alfa Table / Pedestal / Wall</b>	<b>400 mm</b>	<b>55 W</b>	<b>1350 r/min</b>	<b>75 m<sup>3</sup>/min</b>
<b>Wall</b>	<b>300 mm</b>	<b>50 W</b>	<b>1350 r/min</b>	<b>55 m<sup>3</sup>/min</b>

# GAMA

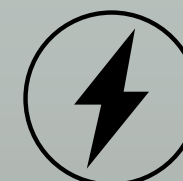
**+ LOWER POWER CONSUMPTION + OVERLOAD PROTECTION + WEB MESH GUARD**



**LONG  
WARRANTY**



**SUPER SPEED  
1350 r/min (RPM)**



**POWER  
55 W**

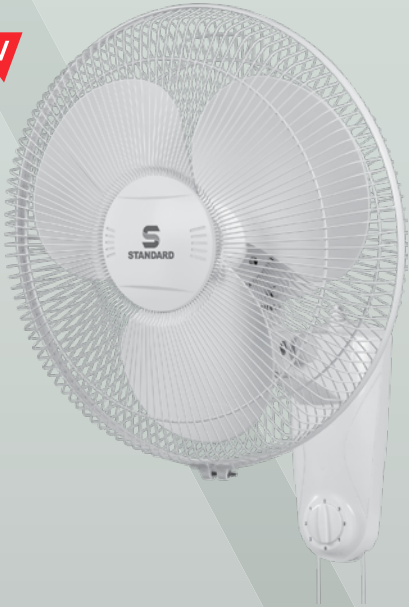


**PORTABLE FAN**



Pedestal Fan

**NEW**



Wall Fan

Model  
**Gama Pedestal / Wall**

Sweep (mm)  
**400 mm**

Power Inputs (Watt)  
**55 W**

Speed r/min (RPM)  
**1350 r/min**

Air Delivery m<sup>3</sup>/min  
**75 m<sup>3</sup>/min**

Under standard in house laboratory test conditions



# STORM AIR NEO

**+ 30% \* MORE AIR DELIVERY + 25% \* LESS POWER CONSUMPTION + OVERLOAD PROTECTION**



OSCILLATION



WEB MESH GUARD  
FOR HIGHER SAFETY



POWER  
135 W

# PORTABLE FAN

**NEW**



Storm Air Neo  
Oscillation



Storm Air Neo

Model	Sweep (mm)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /min
<b>Storm Air Neo</b>	<b>500 mm</b>	<b>135 W</b>	<b>1350 r/min</b>	<b>140 m<sup>3</sup>/min</b>
<b>Storm Air Neo Oscillation</b>	<b>400 mm</b>	<b>115 W</b>	<b>2500 r/min</b>	<b>95 m<sup>3</sup>/min</b>

\*Under standard in house laboratory test conditions

# AXIS / VAWE

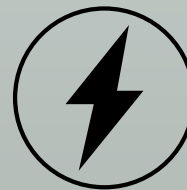
**+ SUPER SPEED + AERODYNAMIC BLADE + WEB MESH GUARD**



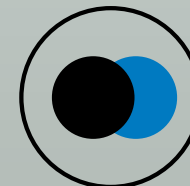
Axis Cabin Fan



Vawe HS Wall Fan



**POWER  
80 W**



**ATTRACTIVE  
DUAL COLOR**

Model  
**Axis cabin fan**  
**Vawe HS wall fan**

Sweep (mm)  
**300 mm**  
**230 mm**

Power Inputs (Watt)  
**80 W**  
**45 W**

Speed r/min (RPM)  
**2400 r/min**  
**2600 r/min**

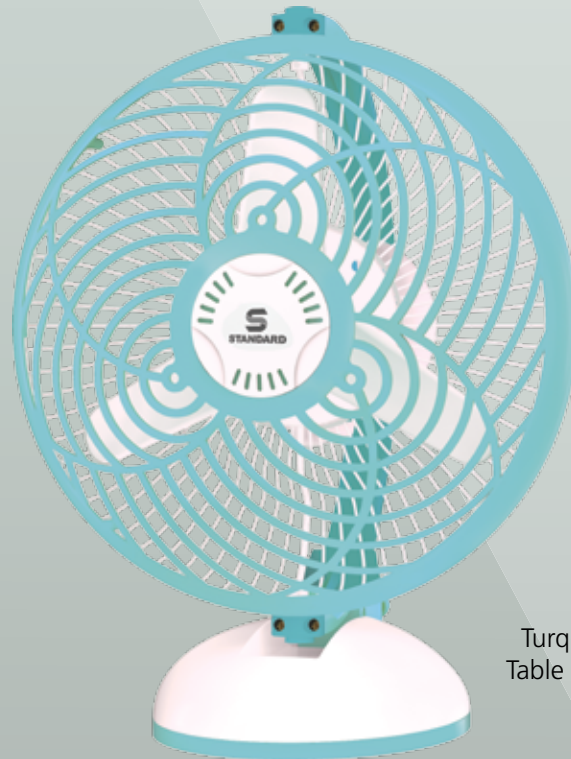
Air Delivery m<sup>3</sup>/min  
**60 m<sup>3</sup>/min**  
**30 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

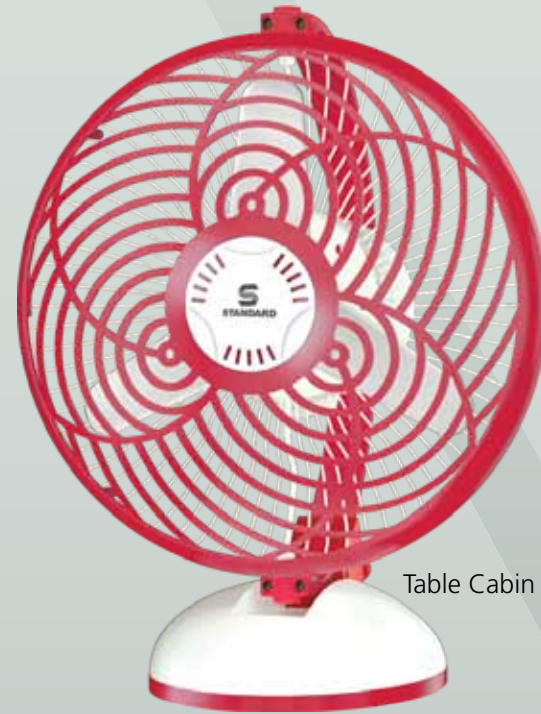
# PLUTO NEO

PORTABLE FAN

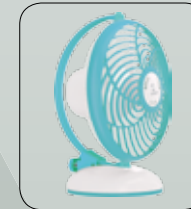
**+ SUPER SPEED 2800 r/min (RPM) + AERODYNAMIC BLADE + HIGHER AIR DELIVERY**



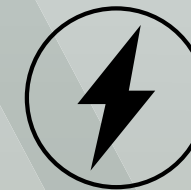
Turquoise Blue  
Table Cabin Fan



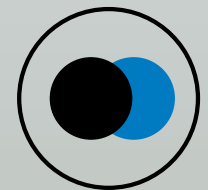
Red  
Table Cabin Fan



**WEB MESH GUARD  
FOR HIGHER SAFETY**



**POWER  
45 W**



**ATTRACTIVE  
DUAL COLOR**

Model  
**Pluto neo cabin fan**

Sweep (mm)  
**230 mm**

Power Inputs (Watt)  
**45 W**

Speed r/min (RPM)  
**2800 r/min**

Air Delivery m<sup>3</sup>/min  
**30 m<sup>3</sup>/min**

\*Under standard in house laboratory test conditions

# PLASTIC

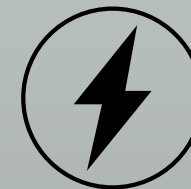
**+ MODERN DESIGN + LOW NOISE + HIGH SUCTION**



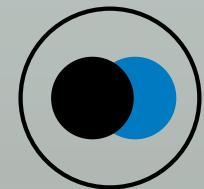
Refresh Air CT



**WEB MESH GUARD  
FOR HIGHER SAFETY**



**POWER  
135 W**



**ATTRACTIVE  
DUAL COLOR**



# EXHAUST FAN

Refresh Air Window  
Black & White Color



**NEW**



Refresh Air CT



Refresh Air DX  
Black & White Color



Refresh Air DX - HS  
White Color

Model	Sweep (mm)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /hour	Rated Frequency (Hz)	Noise Level (dB)
Refresh Air CT	150 mm	23 W	1950 r/min	225 m <sup>3</sup> /hour	50 Hz	43 dB
	100 mm	19 W	2300 r/min	100 m <sup>3</sup> /hour	50 Hz	40 dB
Refresh Air DX	250 mm	38 W	1300 r/min	890 m <sup>3</sup> /hour	50 Hz	44 dB
	200 mm	36 W	1350 r/min	590 m <sup>3</sup> /hour	50 Hz	42 dB
	150 mm	35 W	1400 r/min	320 m <sup>3</sup> /hour	50 Hz	34 dB
Refresh Air Window	150 mm	23 W	1950 r/min	225 m <sup>3</sup> /hour	50 Hz	43 dB
	100 mm	19 W	2300 r/min	100 m <sup>3</sup> /hour	50 Hz	40 dB
Refresh Air DX - HS	150 mm	38 W	2500 r/min	450 m <sup>3</sup> /hour	50 Hz	58 dB
	200 mm	45 W	1950 r/min	850 m <sup>3</sup> /hour	50 Hz	58 dB



# METAL

**+ DOUBLE BALL BEARING + LOW NOISE + HIGH SUCTION**



**WEB MESH GUARD  
FOR HIGHER SAFETY**



# EXHAUST FAN



Refresh Air DBB Neo



Refresh Air SPS Premium



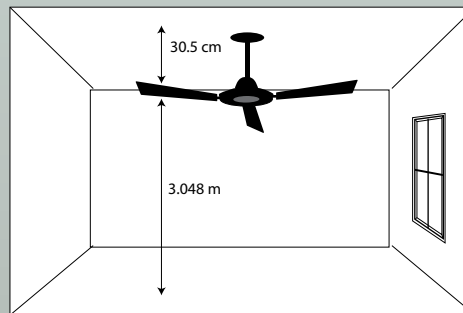
Refresh Air SPS

Model	Sweep (mm)	Power Inputs (Watt)	Speed r/min (RPM)	Air Delivery m <sup>3</sup> /hour	Rated Frequency (Hz)	Noise Level (dB)
Refresh Air DBB Neo	300 mm	65 W	1400 r/min	1900 m <sup>3</sup> /hour	50 Hz	40 dB
	230 mm	42 W	1400 r/min	860 m <sup>3</sup> /hour	50 Hz	40 dB
Refresh Air SPS	300 mm	40 W	1350 r/min	900 m <sup>3</sup> /hour	50 Hz	40 dB
	230 mm	35 W	1350 r/min	510 m <sup>3</sup> /hour	50 Hz	40 dB
	150 mm	48 W	2400 r/min	1250 m <sup>3</sup> /hour	50 Hz	40 dB
Refresh Air SPS Premium	300 mm	40 W	1350 r/min	900 m <sup>3</sup> /hour	50 Hz	49 dB
	230 mm	35 W	1350 r/min	510 m <sup>3</sup> /hour	50 Hz	47 dB

## Selection guide

### Ceiling Fans Recommended sweep for different room sizes

Model Size	Sweep / size (mm)	Suitable for room size
Ceiling Fan	600 mm	For small shops cabins & low ceiling
Ceiling Fan	750 mm	5.5 m <sup>2</sup> (1.8 m x 3.0 m)
Ceiling Fan	900 mm	6.5 m <sup>2</sup> (2.1 m x 3.0 m)
Ceiling Fan	1050 mm	9.3 m <sup>2</sup> (3.0 m x 3.0 m)
Ceiling Fan	1200 mm	14.5 m <sup>2</sup> (3.6 m x 4 m)
Ceiling Fan	1400 mm	20.8 m <sup>2</sup> (4.3 m x 4.9 m)
Domestic Exhaust Fan	150 mm / 200 mm	9.2 m <sup>3</sup> (1.8 m x 1.8 m x 2.7 m)
Domestic Exhaust Fan	225 mm	16.3 m <sup>3</sup> (2.4 m x 2.4 m x 2.7 m)
Domestic Exhaust Fan	300 mm	20.4 m <sup>3</sup> (3.0 m x 2.4 m x 2.7 m)



To optimize the air delivery, ceiling fan should be approximately 3.048 m from the ground level and 30.5 cm below the ceiling.

For larger room with more than one fan, the centre distance between each fan would vary with the sweep/size of the fan.

### For large halls, auditoriums, offices, install two or more ceiling fans with a space as specified below

Sweep of Fan (mm)	Centre Distance
900 mm	1.8 m
1050 mm	2.1 m
1200 mm	2.4 m
1400 mm	3.0 m

## Selection Guide-Exhaust Fans Exhaust Fans

Ventilation rate (m<sup>3</sup>/h) = Volume (m<sup>3</sup>) x air changes per hour

Portable location	Air changes per hour
Office Hall / Bank / Hospital ward	08 h -12 h
Factory / Workshop	12 h - 20 h
Canteen / Restaurant	15 h - 20 h
Boiler House / Foundry	40 h - 60 h
Cinema / Auditorium / Kitchen / Toilet / Photographic darkroom	20 h - 30 h
Laboratory	08 h - 30 h

### Example 1

Location : Office

Air Volume : length (10 m) X width (10 m) x height (4 m) = 400 m<sup>3</sup>

Air movement : 400 m<sup>3</sup> X 10 h (as per table) = 4000 m<sup>3</sup>/h

### Total Exhaust fan requirement

2 N (One fan of 300 mm sweep, 1420 r/min (RPM) Exhaust fan discharge air @ 2000 m<sup>3</sup>/h).

### Example 2

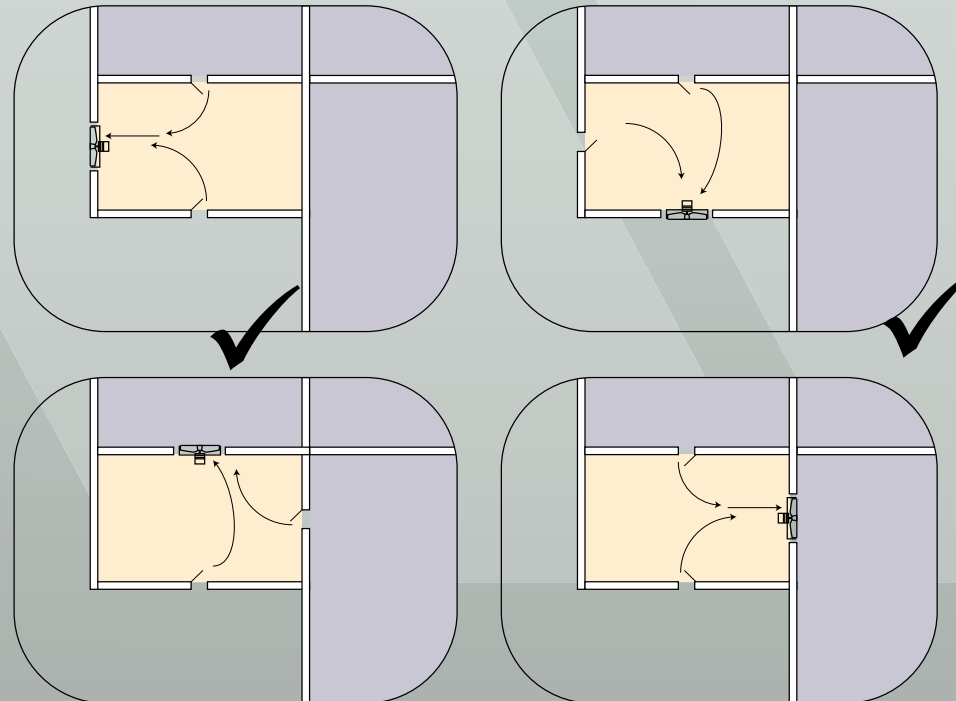
Location : Factory

Air Volume : length (30 m) X width (20 m) x height (8 m) = 4 800 m<sup>3</sup>

Air movement : 4 800 m<sup>3</sup> X 20 h = 96000 m<sup>3</sup>/h

### Total Exhaust fan requirement

9 N (One fan of 300 mm sweep, 900 r/min (RPM) Exhaust fan discharge air @ 10 520 m<sup>3</sup>/h).





### Havells India Ltd.

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Ph. +91-120-3331000, E-mail: [standard.ho@havells.com](mailto:standard.ho@havells.com), [www.standardelectricals.com](http://www.standardelectricals.com)

Customer Care No. 08045 77 1313

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