

Designed & Manufactured by



DSPWORKS AUTOMATION & WIRELESS
NETWORK SOLUTIONS PRIVATE LIMITED

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WARRANTY & SUPPORT



SMART PHONE APP



— DESH KI HAWA —





INNOVATE. DESIGN. MANUFACTURE

A B O U T U S

DSPWorks an acronym from the seemingly overwhelming word – Digital Signal Processing is an essential step in electronics performed to optimize access, enhance power and size. It's a single word for various processes and algorithms that work in those tiny chips simplifying our day-to-day lives.

Founded by IIT Bombay alumni, the team has designed and manufactured various connected devices, strategic electronics, process and metering solutions and have now designed and developed the energy efficiency BLDC motors. We have been doing electronics design for more than a decade, been there, researched and learning continuously as we journey.

With an undisputable and a non-compromising focus on quality and processes we strive to bring convenience and charm to your day-to-day life while putting extra effort to preserve the environment and reduce our carbon footprint.

I N S P I R A T I O N

We are inspired by the diverse Indian terrain and the mountain ranges giving birth to the rich flora, fauna, mighty rivers and the beautiful valleys

These powerful mountain ranges that bring us the monsoons, also give us the pleasant zephyrs which we call Vayu (वायु)

India worships the Wind Lord and we humbly submit to this power of nature



OUR RANGE

Vayu (वायु) denotes the breeze that we aspire to bring to your rooms which seem straight from the hills.

Be it Mount Abu, Ranakpur, Sajjangarh in the **Aravalli**

or Lonavala and Khandala in the **Sahyadris** escarpments in west-central India **Vindhya**

Sikkim in **Purvanchal**

Udhagamandalam in the **Deccan**

Panchmarhi in the **Satpura**

Palampur and Dharamshala in the **Pir-Panjal**

Shimla in the **Shivaliks**

Be it Srinagar against the backdrop of the majestic **Zabarwans**

Or towering above all, the **Himadri**

DESIGNED &
MANUFACTURED IN
INDIA

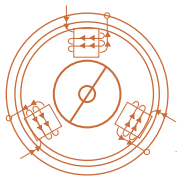


— DESH KI HAWA —

We bring you technology solutions that allow you to spend time on doing things you enjoy. An efficient product for a generation that cherishes energy conservation and care for nature along with their own comfort and convenience.



SMART
DEVICES,
SMARTER
INTERFACE



100% PURE
COOPER MOTOR
FOR A LONGER LIFE

65% ENERGY
SAVINGS



HIGHLY EFFICIENT
BLDC CEILING
FAN MOTOR



INTUITIVE
SMARTPHONE APP
ANDROID + iPHONE



INTEGRATED
DIMMABLE
DOWNLIGHT LED



INDICATION
RGB FOR STATUS
INTERPRETATION



SMART & SILENT
OPERATION
WITH LONG LIFE



HIGH QUALITY
REMOTE WITH
LUMINESCENT
KEYPAD

28
WATTS

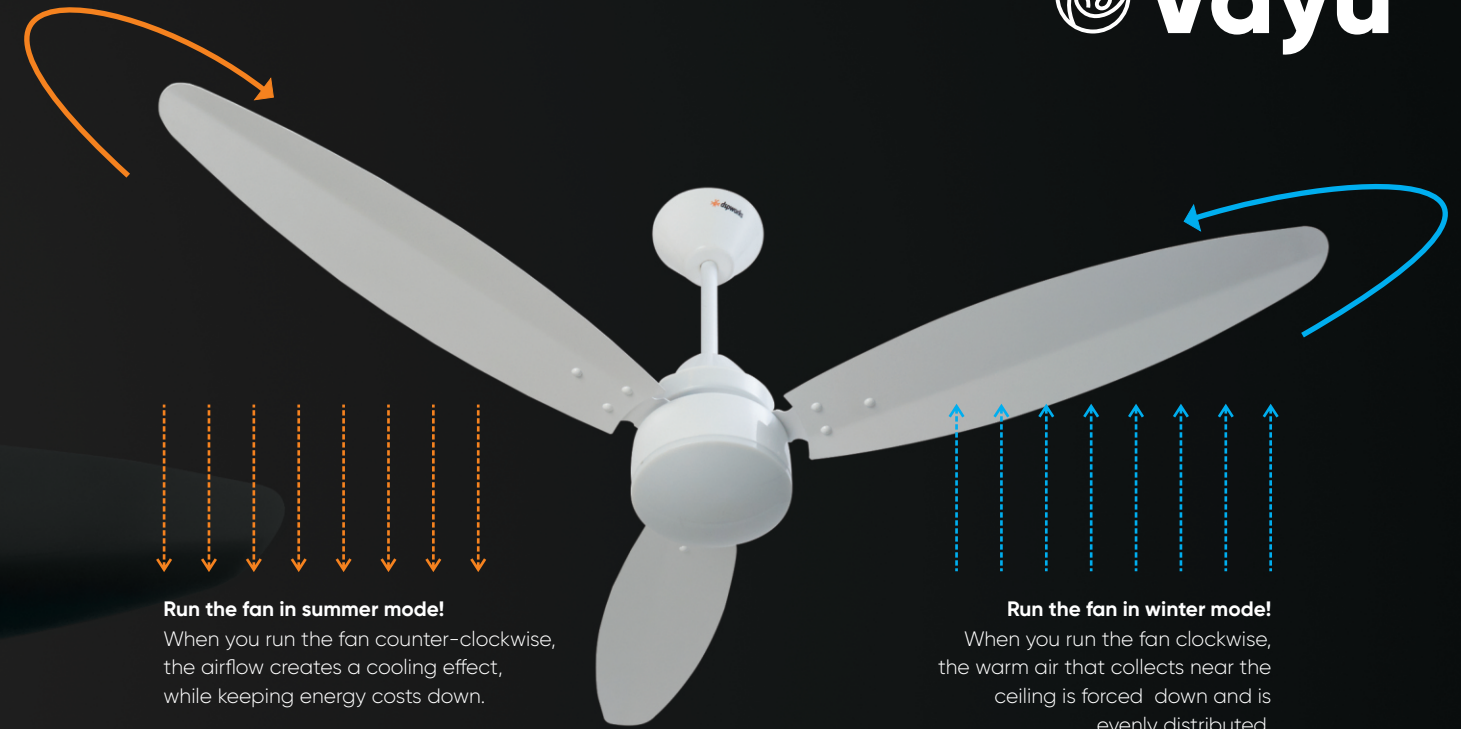
POWER
CONSUMPTION
ON FULL SPEED

IoT ENABLED*
IN SELECT MODELS

works with the
Google Assistant

amazon alexa
ENABLED





Run the fan in summer mode!

When you run the fan counter-clockwise, the airflow creates a cooling effect, while keeping energy costs down.

Run the fan in winter mode!

When you run the fan clockwise, the warm air that collects near the ceiling is forced down and is evenly distributed.

KEY FEATURE




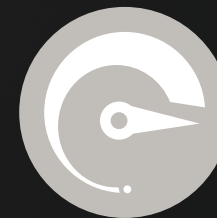
IoT " INTERNET OF THINGS "

Our Fans are available **with IoT** and **without IoT**.

IoT feature enables our smart phone app. You can use our free smartphone app to control the fan from anywhere. By using the app, one gets consumption parameters, usage statistics as well as brings convenience to your usage. With IoT, you also get **Alexa and Google voice support on Vayu fans**. You will need to purchase the respective device to get support. Schedule fans to turn ON/ OFF at any time and make it a daily pattern. IoT feature also brings added convenience of RGBW indicator LED palette control to your liking. With our cloud APIs, the fan can also be integrated with many of the home automation providers.

FEATURE

		
Smartphone app	✓	X
Alexa / Google Voice	✓	X
Usage Statistics on App	✓	X
IR Remote	✓	✓
LED Control	✓	✓
Free Cloud Control from anywhere	✓	X
*Integration with existing home automation provider	Possible, share your provider details	X
Indicator LED Palette control	✓	X
Schedule	24 x 7	upto + 6 hours



Intermediate steps for smooth speed control.

Have you ever thought the fan speed is too fast at 3 and too slow at 2?

We give you intermediate steps between two conventional steps for a smoother speed control. These steps are conveniently accessible by the up/ down buttons on the remote to give you the just right air flow.

Reverse Mode

This is called winter mode because it circulates the air upwards instead of downwards. Usually used in cold places. In warmer weather, the flow from Vayu will have a windchill effect on your body that keeps you cool, whereas in winter, reversing the direction brings down the hot air trapped near the ceiling. Increase your comfort.

INTUITIVE CONTROL, CONVENIENT, COMFORTABLE

Night lamp integrated

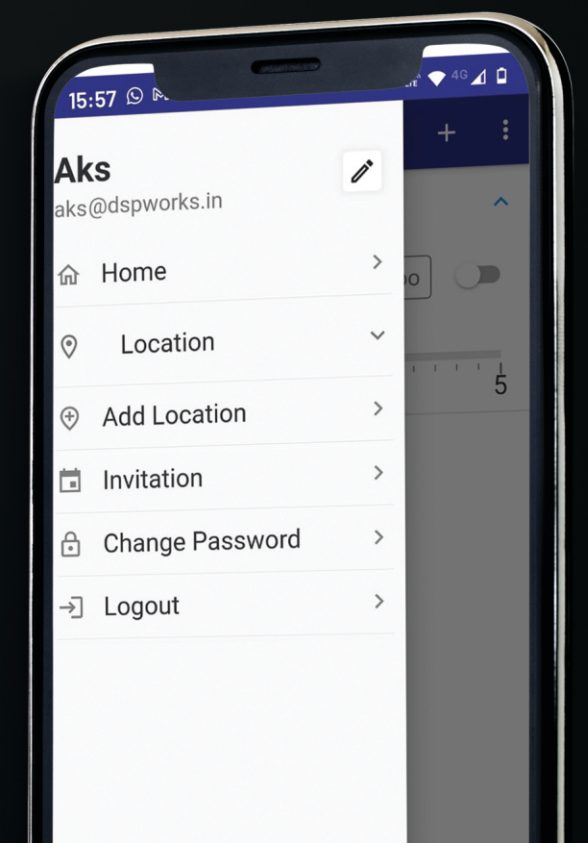
with intensity control for your convenience

Intermediate **speed steps** for better comfort

Intuitive controls on **smartphone app** with a luminescent and handy **remote**

Convenient **timer options in app and remote**.

Active power factor correction to give you near unity power - factor



BENEFITS OF BLDC OVER REGULAR CEILING FAN

- Preserving Same Electrical Connection As Regular Ceiling Fans
- RoI Of The Additional Cost Within An Year
- 20 dB Low Motor Noise As Compared To Induction Motor
- BLDC Technology Emits Less Heat, Keeping The Temperature Lower And Extending The Product lifespan
- Contributes To A Greener Earth As Well As To India's Commitment to Reduce Emission Of Green House Gases.

POWER SAVING EXAMPLE AT DIFFERENT SPEEDS

FEATURE	CONVENTIONAL	VAYU BLDC FANS
Speed	3	3
Power	55	18
Operating Hours	14	14
Units / year	281	91
Cost at ₹ 8 / unit	₹ 2248	₹ 728 (Saving > ₹1500) / year

FEATURE	CONVENTIONAL	VAYU BLDC FANS
Speed	5	5
Power	74	28
Operating Hours	14	14
Units / year	~378	~143
Cost at ₹ 8 / unit	₹ 3025	₹ 1144 (Saving > ₹1800) / year

STATUS INDICATIONS

LED COLOR	
Red	Fan is idle, not connected to wifi router
Yellow	Fan is idle, connected to wifi, no internet
Blue	Fan is idle, connected to Cloud
Pink	Timer is enabled, not connected to WiFi router
Green	Timer is enabled, connected to WiFi router but no internet
Turquoise	Timer is enabled, connected to cloud
LED Blinking	Command received

Simple & intuitive status indications timer enabled, cloud accessible all by easy identification





THE SAHYADRIS at the western tip of the Deccan - the epitome of patience and the culmination of the romance between winds, mountains, the sea and the monsoon. The confluence of monsoon sahyadri range and the coast weave an unmatched fabric for the flora and fauna creating an unparalleled natural beauty.

WOOD



BLACK



WINE



WHITE



BROWN



Voltage Input	160 - 280V
Power Factor	0.99
Air Delivery	220 CMM
Power 28W	@ 355 RPM
Service Value	7.8
Sweep	1200mm
LED	1W Dimmable



100% PURE
COOPER MOTOR
FOR A LONGER LIFE

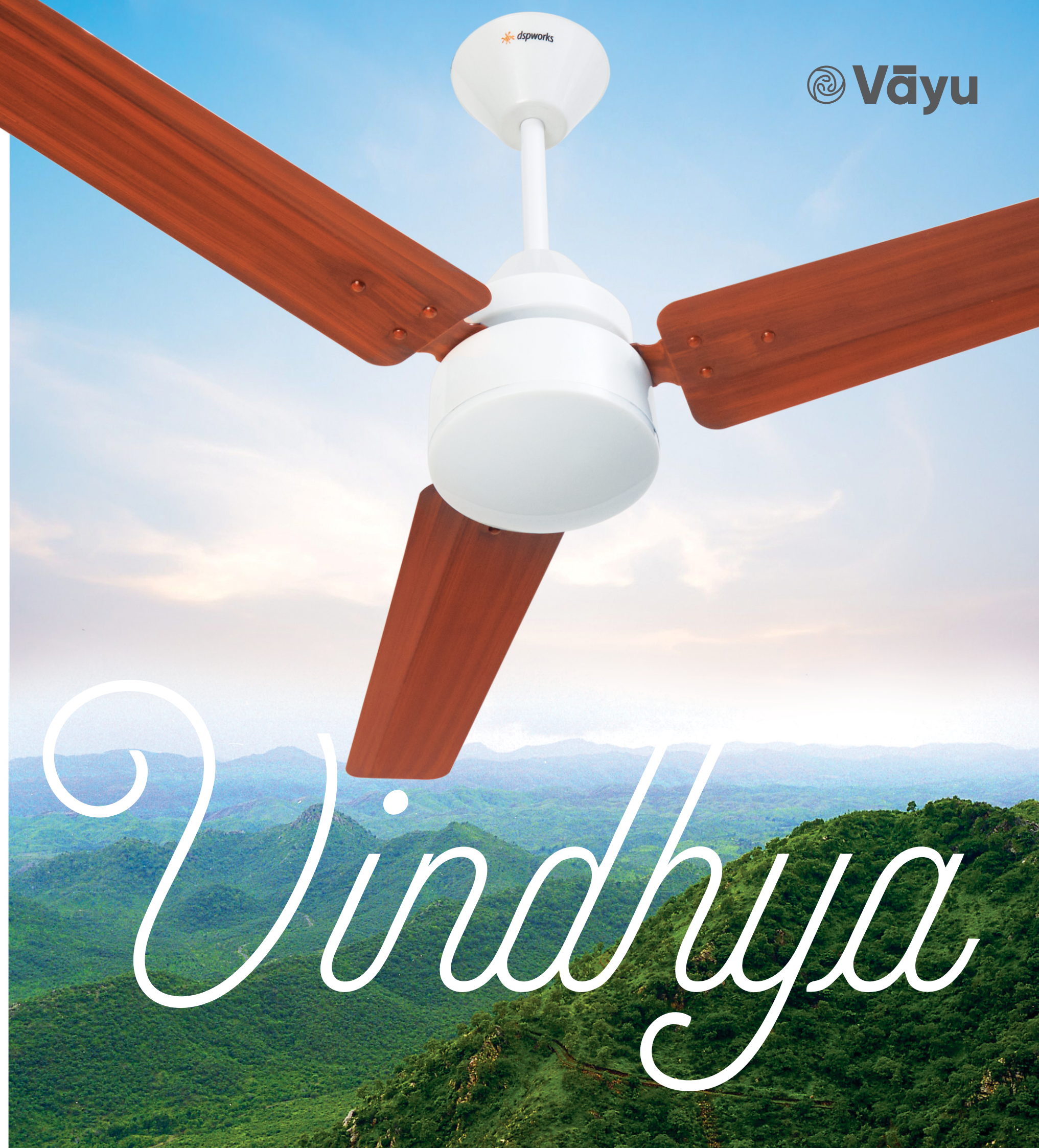
28 WATTS
POWER CONSUMPTION
AT 100% SPEED

Sahyadri

Stands out Firmly, **THE VINDHYA** are said to have outgrown Meru and only out of its reverence for Sage Agastya lowered itself. Just like the **mighty Vindhya**s, which also finds its place in our national Anthem. The Vindhya Fan is a powerful motor with very high air circulation and pleasing orthodox looks.



Voltage Input	160 – 280V
Power Factor	0.99
Air Delivery	230 CMM
Power 28W	@ 355 RPM
Service Value	8.2
Sweep	1200mm
LED	1W Dimmable



Vindhya



THE ZABARWAN, overlooking the Dal Lake and the Hazratbal shrine, lend a Mediterranean climate to the region giving us the beautiful tulips, It is one of the most spectacular range in Zanskar -- subtle yet mesmerizingly beautiful & powerful

WOOD

BLACK

WINE

WHITE

BROWN



Voltage Input	160 - 280V
Power Factor	0.99
Air Delivery	240 CMM
Power 28W	@ 355 RPM
Service Value	TBD
Sweep	1200mm
LED	4W Dimmable

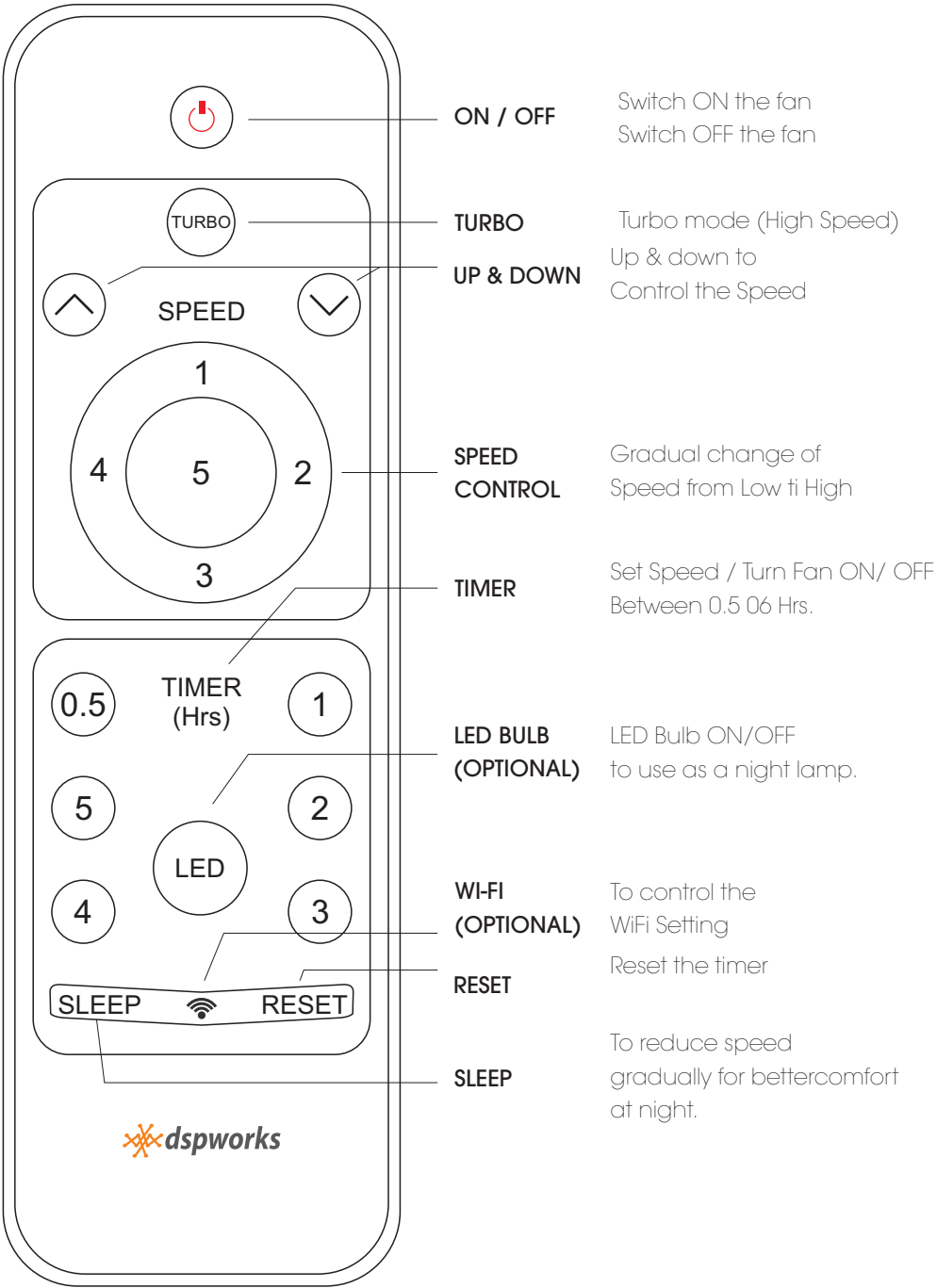


100% PURE
COOPER MOTOR
FOR A LONGER LIFE

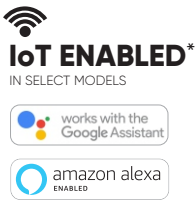


ARAVALLI

Long Standing just like an old friend
the Aravalli range is in the heart of Indias
“heat-belt” and places like Mt Abu and
Ranakpur are the getaways. With our ARAVALLI
range we bring you yours old friend, the same
rustic look, the breeze that comforts you
instantly, powerful yet humble.



Voltage Input	160 – 280V
Power Factor	0.99
Air Delivery	215 CMM
Power 29W	@ 350 RPM
Service Value	7.4
Sweep	1200mm
LED	1W Dimmable



FEATURE	VAYU	REMARKS
Speed Steps	14	Smooth control
Direction	Forward & Reverse	See Manual
Integrated Downlight LED	Dimmable Cool White	50mW : upto 4 W
Indicator LED	Multi-color RGB	for quick status interpretation
Intuitive Smartphone App	Default over WiFi + Cloud	Life long free Cloud
Control	IR Remote, Smartphone App	
Operating Voltage	160-280 V Ac	Operated without external regulator