



Switch to Power Saving



**Advance Technology
Remote Operated
BLDC Fans**

UNITAK FANS



Glide



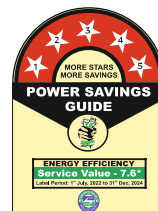
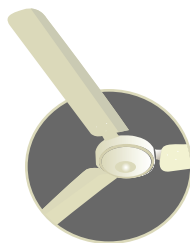
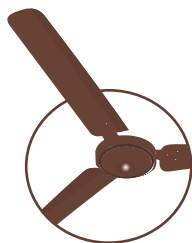
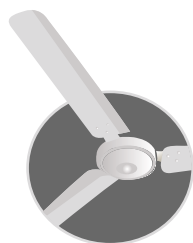


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SAVE MORE THAN
₹1500 IN A YEAR



RUNS MORE THAN
3 TIMES LONGER ON
INVERTER



100% ALUMINIUM
FAN BODY



100% COPPER
MOTOR

Colour Name	Sweep mm	Power (W)	Input Voltage (V)	RPM	Air Delivery CMM (m/min)	Power Factor
Matt Brown	900/1200 mm	30 W	100-280 V	390*	245*	0.98
Matt Black	900/1200 mm	30 W	100-280 V	390*	245*	0.98
Matt White	900/1200 mm	30 W	100-280 V	390*	245*	0.98



Inventech Light



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Inventech Light



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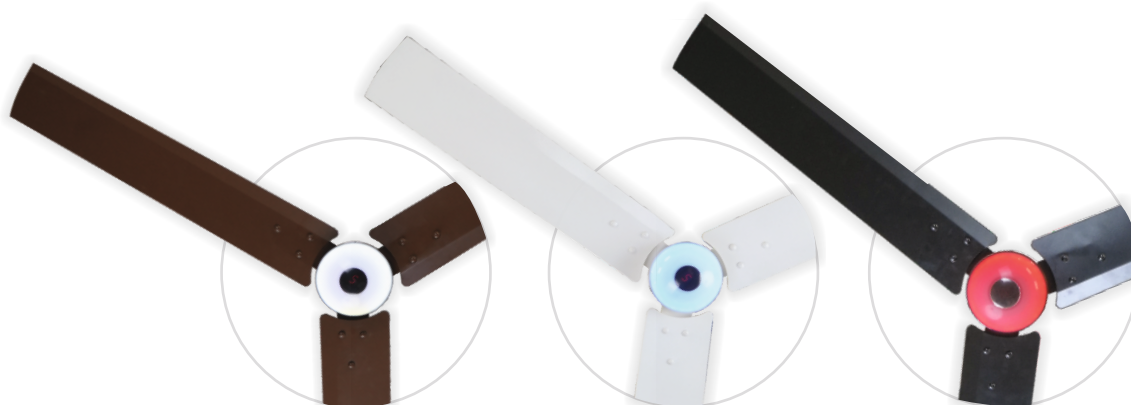
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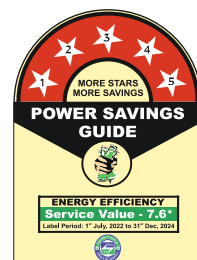
Elmech Plus



Elmech Plus



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Colour Name	Sweep mm	Power (W)	Input Voltage (V)	RPM	Air Delivery CMM (m/min)	Power Factor
Desert Cool	900/1200 mm	30 W	100-280 V	390*	245*	0.98
Buds Black	900/1200 mm	30 W	100-280 V	390*	245*	0.98
Extreme Blue	900/1200 mm	30 W	100-280 V	390*	245*	0.98

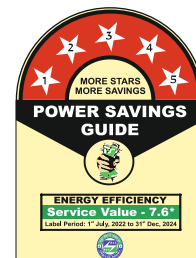


Elmech



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Elmech

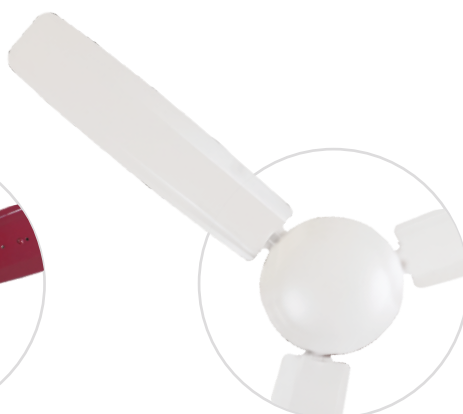


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Colour Name	Sweep mm	Power (W)	Input Voltage (V)	RPM	Air Delivery CMM (m/min)	Power Factor
Cherry Cool	900/1200 mm	30 W	100-280 V	390*	245*	0.98
White	900/1200 mm	30 W	100-280 V	390*	245*	0.98



Switch to Power Saving

Ripple

DC FAN



Colour Name	Sweep mm	Power (W)	Input Voltage (V)	RPM	Air Delivery CMM (m/min)	Power Factor
Cherry Cool	1200 mm	20 W	10-20 V	360*	225*	00
White	1200 mm	20 W	10-20 V	360*	225*	00



BLDC is a new and advanced technology used for making fans. It uses the permanent magnets for the rotor that creates a magnetic field to develop a constant torque that causes rotation. Due to the frictionless operation, this fan causes less trouble and noise while delivering better air quality. **UNITAK FAN** is one of the best **BLDC** Ceiling Fan Manufacturers in KANPUR U.P. Designed to be used in residential as well as industrial applications, these consume less power compared to induction motors. We offer durable Classic **BLDC** Fan at industry-leading prices.

Attributes Of Our BLDC Ceiling Fans:

- Ensure energy saving up to 65%
- Work consistently even at low voltage
- Brushless DC Ceiling Fans inbuilt with super-efficient BLDC motor
- No humming noise and no heat dissipation
- No regulator needed, smart working design
- BLDC Fan lower electricity bill and inverter-friendly design
- BLDC Ceiling Fan has longer battery life and work efficiently on the inverter
- Controlled with remote, Bluetooth, and WIFI (depends on model type)
- Deliver better air quality at low power consumption than regular fans

BLDC Motor Compact and Powerful	65% Electricity Saving	Sweep (mm)	Power (W)	Input Voltage (V)	RPM	Air Delivery CMM (m ³ /min)	Power Factor
Toggle Operation to Control Speed	Smart Remote Control	900	28	140-285	470	157	0.99
		1050	32	140-285	430	235	0.99
		1200	28	140-285	340	235	0.99
		1400	35	140-285	275	275	0.99

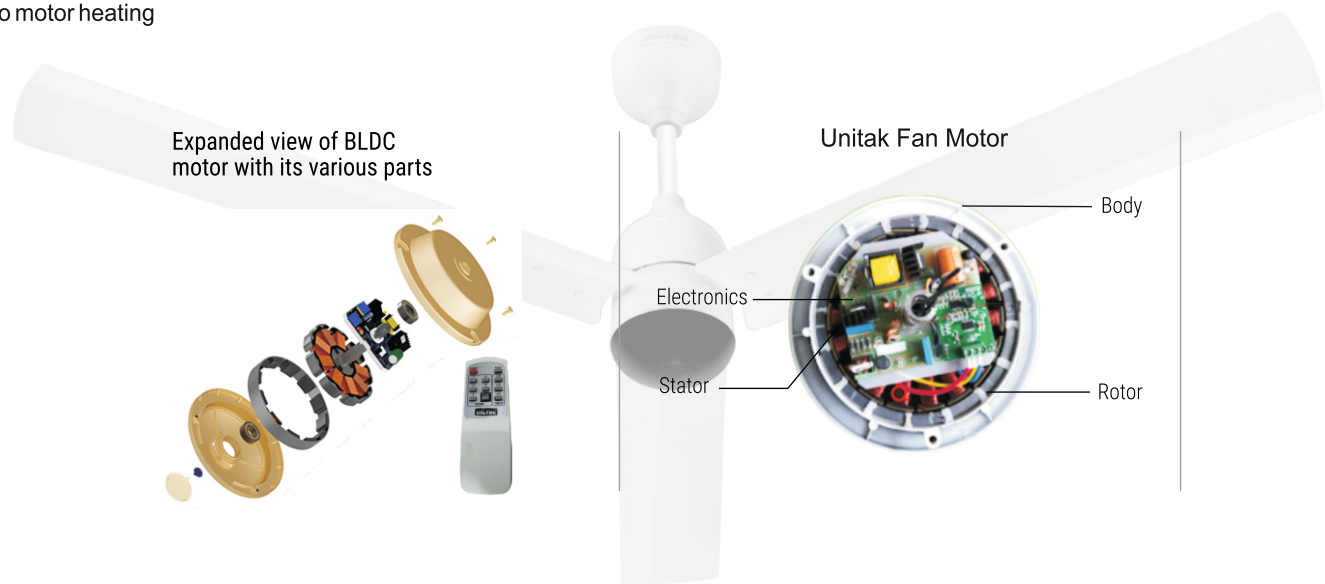


THE POWER BEHIND UNITAK FANS

BLDC stands for Brushless Direct Current. The motor runs because of an interaction between a single winding and strong permanent magnets. The commutation is deployed by smart electronics. Thanks to the **BLDC** inverter technology and our proprietary sensorless algorithm, **UNITAK FANS** consume just 28W at full speed.

ADVANTAGES

- Elimination of friction and associated power losses
- Proprietary algorithm with smart electronics drive that runs the motor efficiently
- Less noise and no motor heating



Power consumption at each speed

The power consumption of the UNITAK FAN varies with the speed at which it is set.
It consumes less power than an LED bulb at speed 1.

	Speed	Wattage (W)	RPM
● ● ● ● ●	1	5	175
● ● ● ● ●	2	10	260
● ● ● ● ●	3	16	305
● ● ● ● ●	4	21	340
● ● ● ● ●	5	28	375
>>>>>>>	Boost Speed	30	395



Normal Fans vs. BLDC Fans

This table should help you understand the difference between the traditional fans and the ones with the BLDC motors.

The speed of the Fan	BLDC Motor Fans	Traditional Ceiling Fans
1	5 Watts	16 Watts
2	10 Watts	27 Watts
3	16 Watts	45 Watts
4	21 Watts	55 Watts
5	28 Watts	75 Watts
6	32 Watts	-----

Thus you can see that the BLDC motor fans consume less power as compared to the traditional ceiling fans. We shall now translate these power savings in absolute terms to understand how the BLDC fans can save you money in the long run.

The fans run for about 15 hours a day on an average. With this assumption let us compare the economics of the regular fans and the BLDC motor fans.

	Regular Fan	BLDC Motor Fan
Approximate Cost	₹ 1600	₹ 3300
Consumption of power	75 Watts	28 Watts
Hourly Consumption	0.075 units	0.028 units
Daily Consumption	1.125 units	0.42 units
Yearly Consumption	410.625 units	153.30 units
Costs (₹ 6 per unit)	₹ 2463.75	₹ 919.80

This table shows that you recover the difference in the cost of the two fans within two years (within the first 15 months).

Other than the savings in consumption of electricity, you have additional benefits to the BLDC Motor fans.

These fans come with a remote control unit thereby allowing you to switch on and off the fans easily. These BLDC motor fans come with a Timer and Sleep mode that will enable you to set a specific time limit (number of hours) while sleeping.

The technology reduces the speed of the fan gradually after the set time. It enables you to save more electricity. You can see the amount of power it consumes at low speeds. You do not have to get up at night to control the regulators.

UNITAK FANS

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