NeoDash EXA 1200mm Energy Saving BLDC 28W Ceiling Fan with Remote Control User Manual

Contents

NeoDash EXA 1200mm Energy Saving BLDC 28W Ceiling Fan with Remote Control

- THANK YOU! For your purchase
- We’re excited to have you onboard NeoDash community. If you love the product, then do spread the word!
- SAVE ENERGY WITH NEODASH

IMPORTANT NOTES

1. Fan speed should be controlled only from the remote provided with the fan. Additional speed regulator is NOT required.
2. Ensure that the wall mounted regulator is bypassed from the fan circuit to avoid any misbehavior of fan while in operation.
3. During any kind of repair, rework, shifting and re-installation, ensure that all the wires coming out from motor and PCBA be fixed at the same positions on the terminal block.
4. Interchanging of any wires can lead to malfunction in the product.
5. Insert AAA 1.5V/R03 batteries in the remote to start using it.
6. This product is for in house use only. Do not install at windy places.
7. Do not install the ceiling fan at wet, high temperature and high humidity areas such as washroom/shower room. Avoid fixing inside dome ceiling.
8. Handling of blades should be done with utmost care so that angles are not disturbed. Do not mix individual blades of one set with that of another set.
9. Do not try to stop the fan by putting any object in path of the blades. It may lead to blade deformation and may cause injury. UPS/Inverter – It is recommended to use ‘pure sine wave’ home UPS/inverter. Usage of ‘Non sine wave’ UPS inverters would lead to humming noise & would reduce the overall life of the product.

SPECIFICATIONS

MODEL: EXA			
Parameter	Values	Parameter	Value
Input voltage (V a.c)	230 V a.c	Sweep (mm)	1200 MM
Rated frequency	50 Hz	Speed (RPM)	375 RPM
Input power (W)	28 W	Air delivery (m3/min)	216 CMM
Power factor	0.97	Service value (m3/min/W)	7.71
Remote battery	AAA 1.5V/R03	Speed control	6 speed+ Turbo speed

FEATURES

POWERFUL PERFORMANCE

- 216 CMM Superior air delivery
- 375 RPM High speed
- 28W power consumption at highest speed. 5W consumption at lowest speed.
  Energy efficient BLDC technology saves up to 60% energy compared to regular fans

EFFICIENT DESIGN

- Energy saving BLDC motor technology
  - Up to 60% energy saving
    High power factor ensures minimal power loss
  - **Works at low voltage** : highest speed even at 140V
  - Runs 3X longer on inverter
  - 100% pure copper winding
  - Strong aerodynamic blades
  - Point anywhere
  - RF remote control
- **DURABILITY**
  - Anti Rust Aluminum body and blades
- **Superior**
  - powder coating
- **Double shielded**
  - ball bearings

REMOTE FUNCTIONS

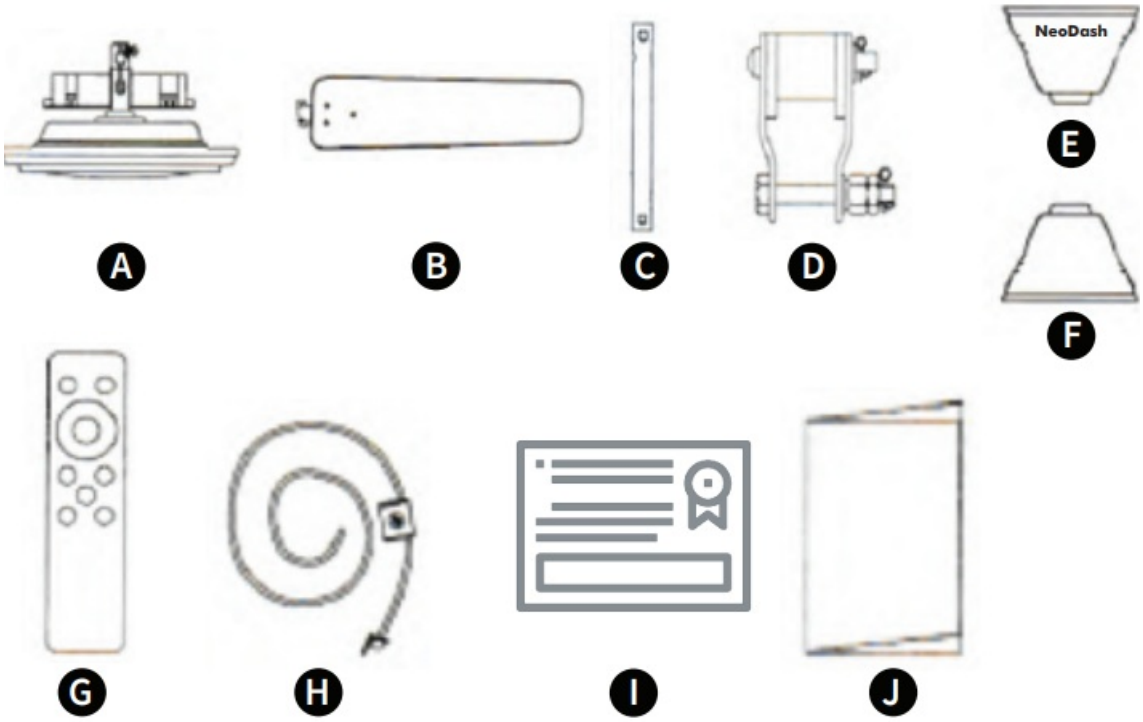
#	FUNCTION	DESCRIPTION
1	POWER	Switches the Fan ON/OFF
2	1-6	Fan speed control – Gradual change from low to high
3	BOOST	Will set fan speed to Speed 7
4	ECO	Enables ECO mode. Fan speed set to speed 5
5	TIMER	Timer can be set for 1/2/4/6/8 hrs by pressing individual buttons. Fan will turn OFF after set time. To reset timer function, turn OFF the fan with remote & again turn ON the fan. Once turned ON, the timer function will be automatically cancelled.
6	INDICATOR	With each press the light blinks. Glowing light indicates good

REMOTE PAIRING: First switch ON the fan from mains supply. Then press ON/OFF button for 3-4 seconds until long beep sound is heard. Long beep indicates successful pairing.
Note: Same remote can be paired with multiple fans installed at same place

BOX CONTENT

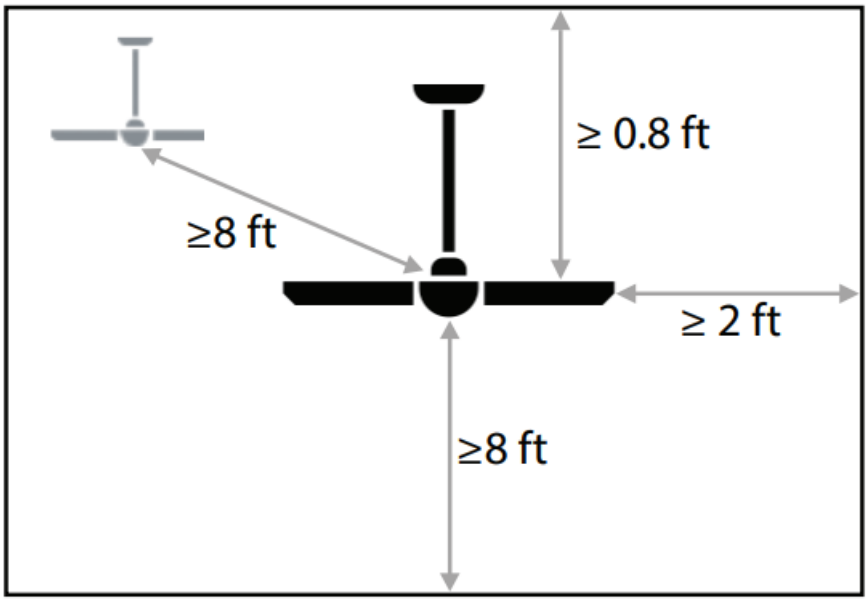
Unpack the carton of NeoDash EXA and check whether you have following items.

- A. Motor assembly
- B. Blade set
- C. Downrod
- D. Shackle kit
- E. Top canopy
- F. Bottom canopy
- G. Remote
- H. Safety wire
- I. Warranty card
- J. User manual



MOUNTING INSTRUCTIONS

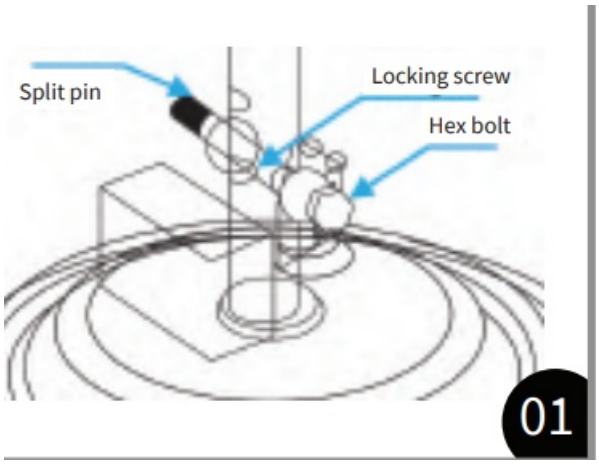
- Maintain minimum 8.2 ft (2.5m) height between fan blades and floor
- Maintain minimum 0.8 ft (0.25m) distance between ceiling to blade
- Maintain at least 2 ft (0.6 m) distance from blade tip to nearest wall (0.5 times of 1200 mm fan sweep)
- Maintain 8 ft. (2.4 m) clearance between centers of two fans (2 times of 1200 mm fan sweep)



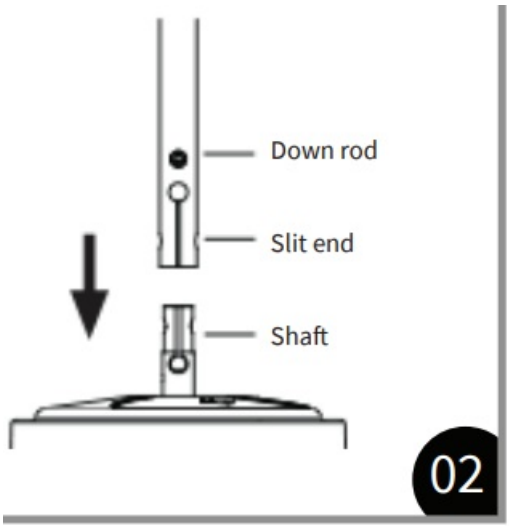
INSTALLATION INSTRUCTION

- Turn off the power at the fuse box or circuit breaker before the installation.
- All the screws, nuts, and bolts of shackle kit, motor & blades must be properly installed and securely tightened. Improper tightening can result into possibly fan or blade falling.
- Do not try to open/ widen the slit in the downfold. This may result crack in the downfold which leading to breakage and fan falling.
- To avoid fire or shock do not pinch the wires between downfold assembly and the hook.

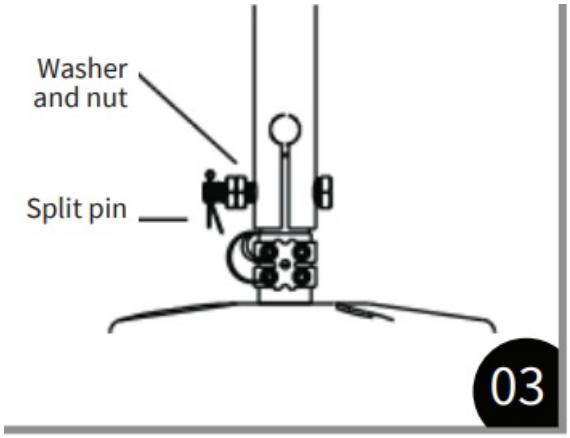
- Bypass the wall mounted regulator to avoid malfunctioning of fan while in operation. Control speed only using the remote provided.



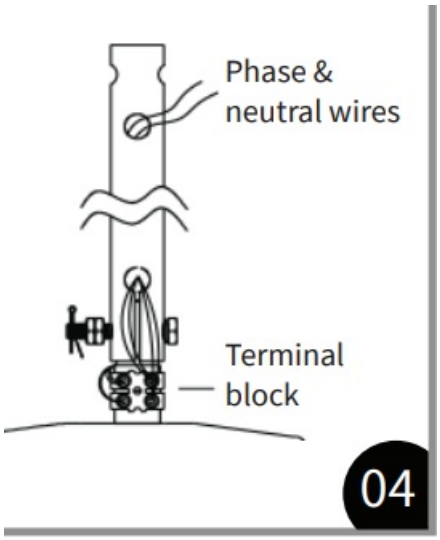
1. Unscrew the locking screw on the motor



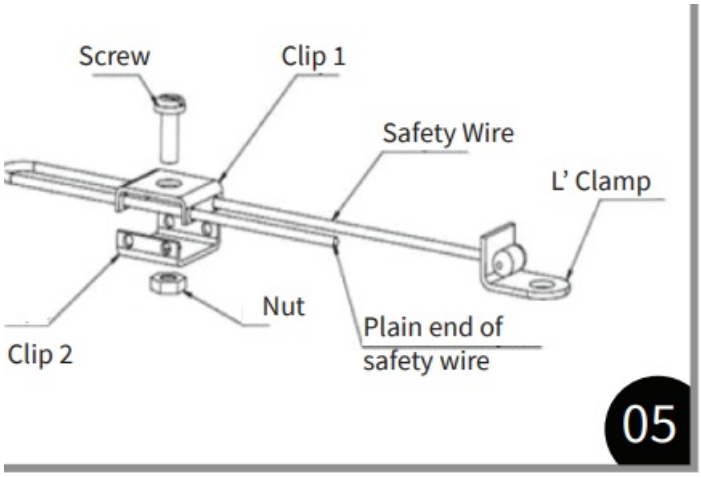
2. Insert the locking screw through the download and tighten it. Fit the coupling bolt. Tighten the nuts using 2 spanners Put the split pin and bend the ends.



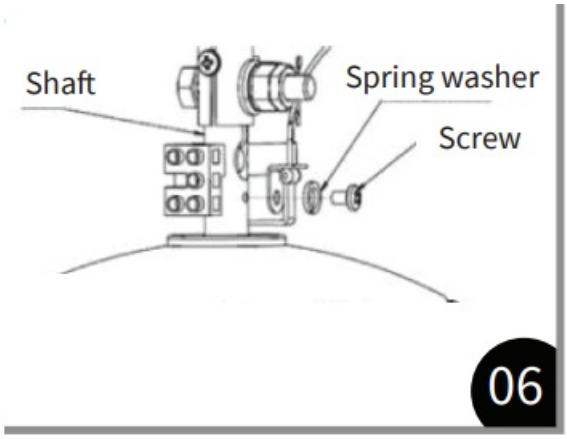
3. Insert the locking screw through the downlow and tighten it. Fit the coupling bolt. Tighten the nuts using 2 spanners Put the split pin and bend the ends.



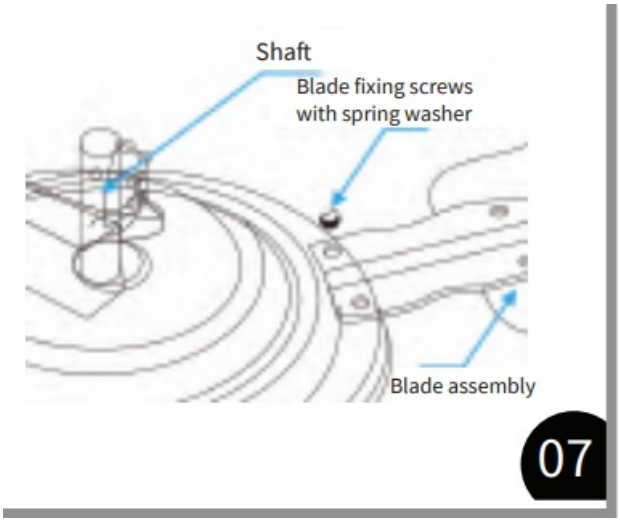
4. Insert phase wire (usually red) and the neutral wire (usually black) through hole on the downlowd. Connect the supply wires to the terminal block and push up the supply wires from the download.



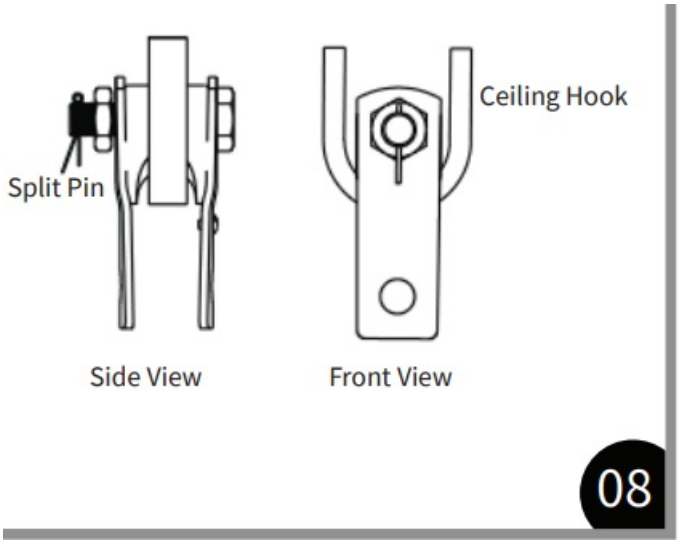
5. Remove the screw and nut from the clip1 & clip2 and remove the safety wire (Don't remove the 'L' clamp).



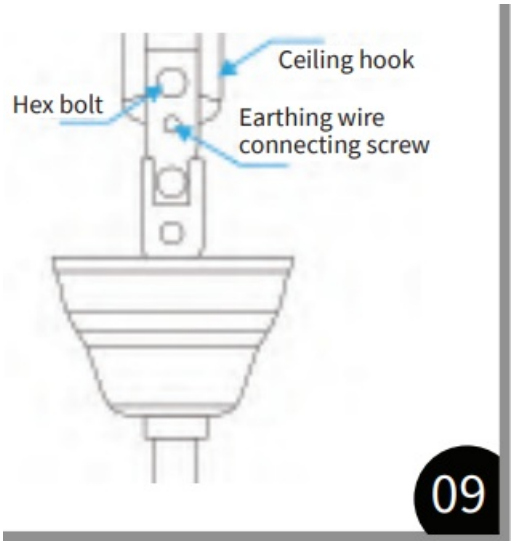
6. Remove the screw from shaft and fix the 'L' clamp to the shaft. Pass plain end of safety wire through the side hole in bottom side of down rod and pull out through the top side of down rod.



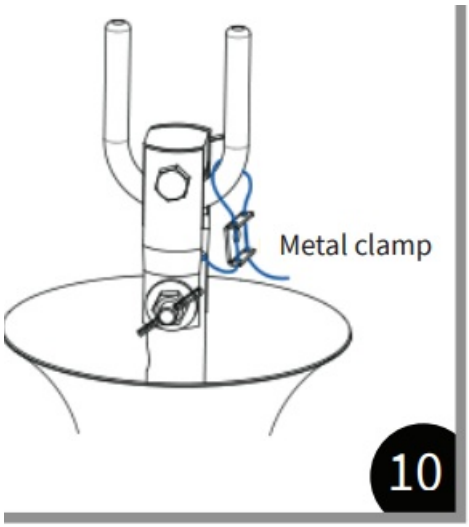
7. Mount the blades on motor using spring washers and screws. Tighten the screws sufficiently.



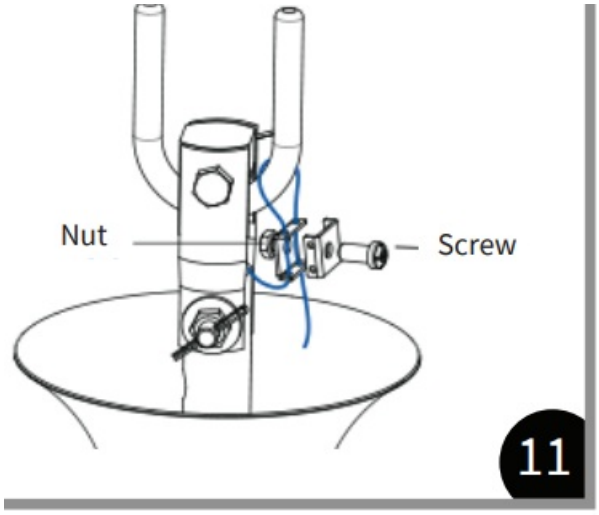
8. Fix the shackle kit in the ceiling hook. Insert download into the shackle kit.



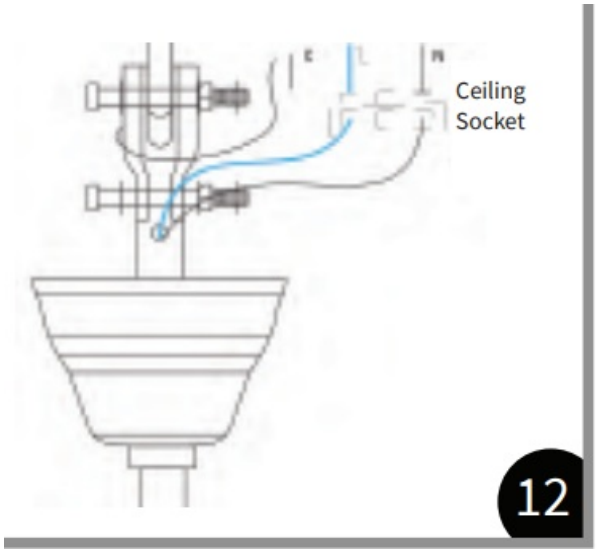
9. Tighten the bolts & nuts with spanners. Put the split pins and bend the ends



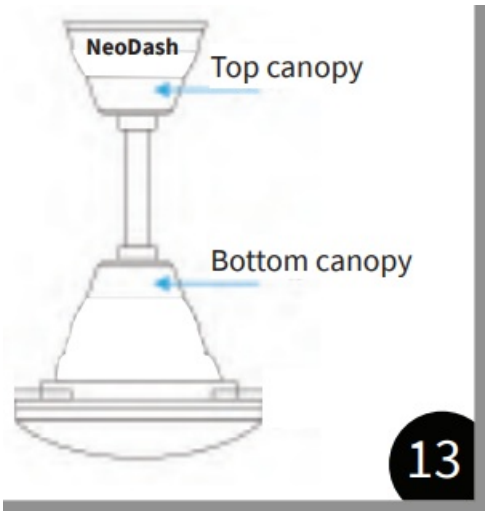
10. After the fan is secured by the shackle kit, pass the safety rope through one pair of holes of the metal clamp. Leave a slack on the loop so the fan is NOT supported by the safety rope alone.



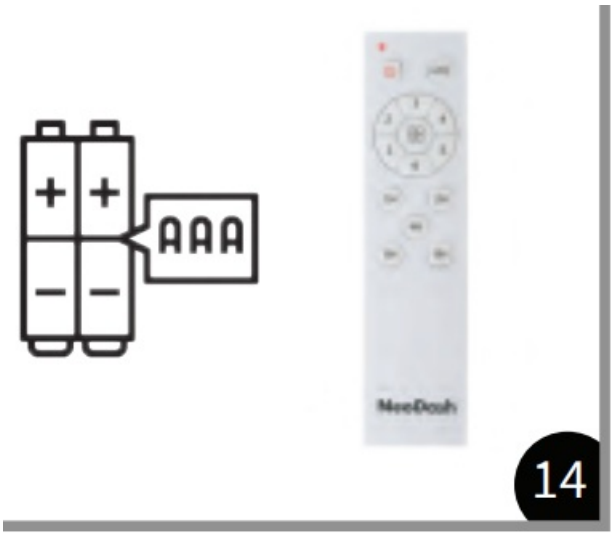
11. Fasten the other piece of the metal clamp onto the looped piece using the screw and nut to secure the safety rope.



12. Connect the supply wires and the earthing wires.



13. Position top and bottom canopy. Keep gap of min 5 mm between bottom canopy and motor



14. Insert AAA 1.5V batteries in the remote. You have successfully assembled the fan.

TROUBLE SHOOTING GUIDELINES

PROBLEM	POTENTIAL CAUSES	SOLUTION
Power is ON, but the fan doesnot rotate	Circuit breaker tripped	Reset the breaker
	Loose connection of wires	Tighten the wire connections
	Regulator connected to the fan	It is recommended to bypass the regulator as the fan speed is controlled using remote
Remote not working	Remote battery drain	Check and replace the weak batteries with AAA 1.5V R03 batteries
Fan makes noise	Bottom canopy is touching the top cover	Adjust the bottom canopy
	Input wires coming out of the downrod are touching the top cover	Reduce the length of the wires that connect the motor so that they don't touch top cover
	Shackle kit rattling	Tighten the screw and nuts securely along with the washer provided
	Fan blades are not fixed tightly	Tighten the mounting screws of the blade. Loose connection may cause blades to fall
	Fan connected to regulator	It is recommended to bypass the regulator as the fan speed is controlled using remote
Excessive shaking/ wobbling	Blade out of balance due to bending	Make sure blades are not bent while installation/cleaning
	Blades mounted improperly on motor (upside down/reverse, loose screws)	Fix the blade orientation. Tighten the screws
	Nut fixing downrod to motor shaft is loose **OR** Nut fixing downrod to Shackle is loose **OR** Screws in shackle kit and hook are loose	Tighten the bolts and nuts along with washers. Ensure that the safety split pin is used
Fan stops while running	Timer function 1/2/4/6 Hr set	Fan will stop after duration of timer selection. To start fan , switch OFF & switch ON the fan with the remote
Fan jerks upon start up	Shackle kit is loose	Tighten both the bolts and nuts in the shackle kit.
	-	This may happen occassionally upon start up. Please note the initial jerking forward and backward doesnot affect fan operation
Remote control is lost and ceiling fan is not rotating when switch is ON	Operate fan in manual mode as follows: Switch OFF power supply OFF —(1st Cycle, 5-7 Sec)→ ON —(immediate)→ OFF —(2nd Cycle, 5-7 Sec)→ ON —(immediate)→ OFF —(3rd Cycle, 5-7 Sec)→ ON (Fan will be ON at 4th speed)	
If the problem persists, then please reach out to NeoDash customer care for help.		

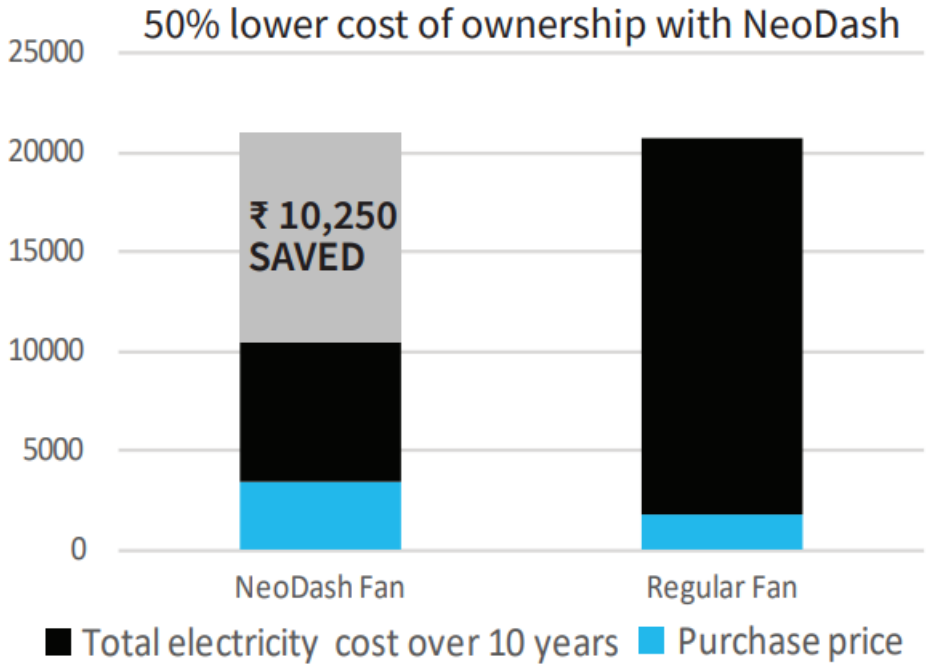
MAINTENANCE INSTRUCTIONS

- Before starting any maintenance activity ensure that the fan is powered OFF
- Your ceiling fan needs absolutely no servicing, lubrication or maintenance of any kind. Periodic surface cleaning is the only maintenance needed. A soft brush or lint free cloth
- should be used to prevent scratches to the finish. Never use solvent, hard detergent or abrasive agent which can damage the finish.
- Do not use water while cleaning the fan. It can damage the motor blades & may lead to electric shock.
- Never apply excess force on blades as this may bend them leading to wobbling & eventually fan or blade falling.
- Inspect fan installation viz. tightness of bolts, fixing screws, shackle kit at least once every two years.

SAVE ENERGY WITH NEODASH

Savings calculation	Regular Fan	NeoDash Fan	
Power consumption per hour	75 W	28 W	
@ highest speed (W)			
Monthly Electricity consumed	22.5 kWh	8.4 kWh	
in kWh (Power x Hrs)/1000			**UP TO 60% ENERGY SAVING COMPARED TO REGULAR FAN**
Annual Electricity consumption in kWh	270 kWh	101 kWh	
Annual Electricity cost in INR	₹ 1,890	₹ 706	
Electricity saved in 1 Year in kWh		169 kWh	
Cost saving for 1 Year in INR		₹ 1,184	
Cost saving for 10 years in INR		₹ 11,844	

BE IMMUNE NOW TO THE RISING ELECTRICITY 50% lower cost of ownership with NeoDash



- AVOID ANNUAL CO2 EMISSIONS UP TO 140 KG CO2E
- Equivalent to Two 24 ft. truckloads in volume
- Appx. 7 new trees required to capture these emissions

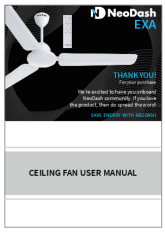
Thank you for leading the change. Its time now to spread the word !

CUSTOMER SUPPORT

For queries, support, complaint registration or product feedback, reach us at :

- +91 9535080135
- cs@neodash.in
- (Call Support Monday to Saturday 9AM to 6PM)
- www.neodash.in
- NEODASH TECHNOLOGIES PRIVATE LIMITED Regd.
- **Office:** No 13/14, 2nd cross, 7th phase, J.P Nagar, Navodaya Nagar, Bangalore, Karnataka, 560078

Documents / Resources

	NeoDash EXA 1200mm Energy Saving BLDC 28W Ceiling Fan with Remote Control [pdf] User Manual EXA 1200mm Energy Saving BLDC 28W Ceiling Fan with Remote Control, EXA, 1200mm Energy Saving BLDC 28W Ceiling Fan with Remote Control, Ceiling Fan with Remote Control, Remote Control, Control

References

- User Manual