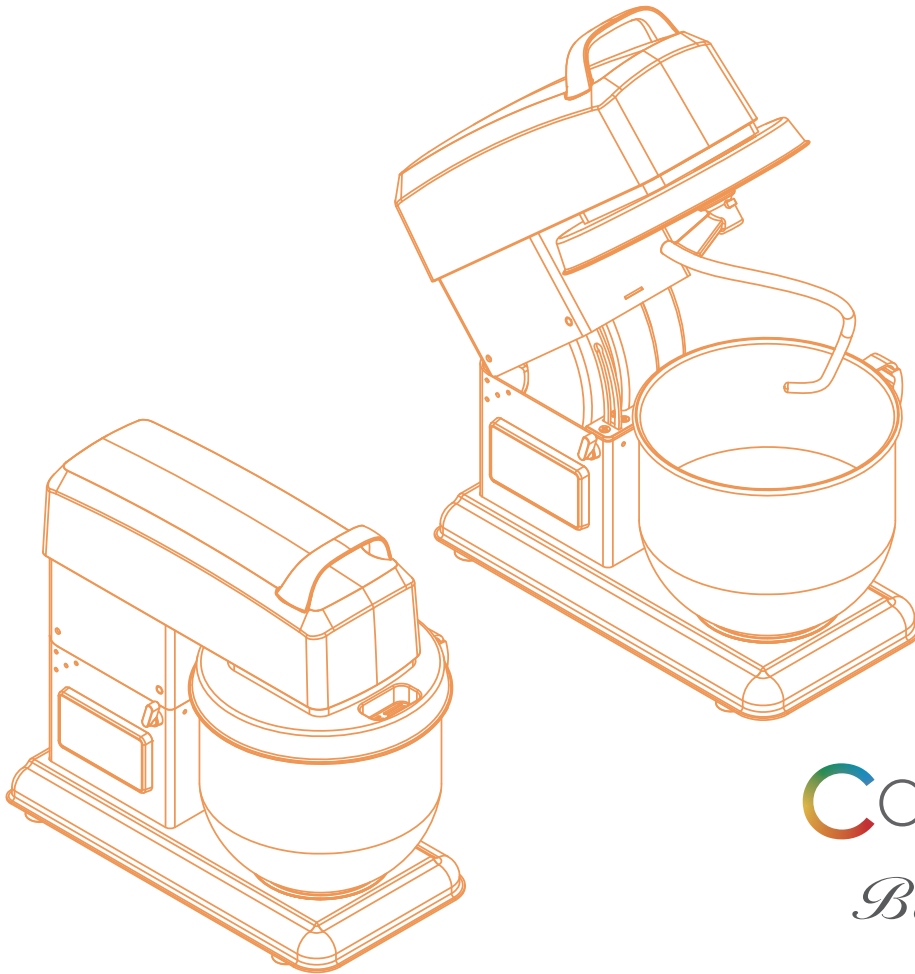


# B7D

## BRUSHLESS DC TABLE MOTOR MIXER



Cookingpro  
*Bake for life*



# BRUSHLESS DC TABLE MOTOR MIXER

## B7D TABLE FOOD MIXER

### Why brushless DC motors in Table Food Mixer?

Brushed DC Motors (BDMs), a type of traditional DC motor, have a number of significant issues and limitations in their design and operation, although they are still widely used in specific areas.

These range from high maintenance costs and inefficiencies, to safety hazards, size limitations, and noise and vibration, all of which affect the performance and reliability of brushed motors, leaving them open to replacement by more efficient and reliable brushless motors in modern applications.

### Brushless DC motors & Brushed Motor Comparison

Characteristics	Brushless DC motors	Brushed motors
Brushes present	No brushes, low failure rate	Brushes present, easy to wear, high failure rate
Long life	Close to zero wear	Short Limited life due to wear of brushes
Efficiency	High, typically 85-90%	Low, high energy loss
Power saving capacity	Power saving, high efficiency	Power consumption, low efficiency
Noise level	Low noise, low friction	High noise, high friction of brushes
Size	Small Easy to install	Large High installation space requirements
Variable speed performance	Variable speed, flexible control	Limited variable speed control, not flexible enough
Torque	Strong, good resistance	Weak, limited mixing capability
Adaptability	Full voltage range	Limited voltage adaptability
Maintenance costs	Low, simple maintenance	High, regular brush replacement required

This comparison chart highlights the advantages of brushless DC motors in terms of durability, efficiency and performance. Specifically:

**Service life:** DC brushless motors can work continuously for longer periods of time due to the lack of brush wear and their service life far exceeds that of brushed motors.

**Efficiency:** DC brushless motors are more efficient due to their simple structure and reverse potential control method, which reduces copper and iron losses.

**Speed and acceleration:** DC brushless motors perform better in terms of speed and acceleration, providing faster response and more stable speed control.

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### High efficiency

- ◆ **Brushless design:** DC brushless motors do not require carbon brushes, which reduces wear and tear and improves motor life.
  - ◆ **High efficiency and energy saving:** motor efficiency is up to 85-90%.
  - ◆ **Power savings of up to 30%:** DC-powered design, combined with low-friction operation, realizes significant energy savings.
- Brushless DC motors are **more energy-efficient**, so they can deliver powerful performance at a lower power (400 watts). Powerful performance at a lower power (400 watts) is also in line with the principles and rules of energy saving and environmental protection.



### Customer experience

- ◆ **Quiet operation:** the motor runs with low friction, dramatically reducing noise and providing a quiet experience.
- ◆ **Multi-functional operation:** The unique low-speed mixing function realizes fine kneading program to meet different mixing needs.
- ◆ The brushless DC motor blender **has a lower temperature rise**, so it can work continuously for a longer period of time (1 hour).
- ◆ **Variable Speed & Small Size:** Brushless DC motor design allows variable speed control while being smaller for easy installation.





## Full voltage compatibility

- ◆ **Globally applicable:** The brushless DC motor of the food blender supports full voltage range, adapting to the voltage standard of different regions in the world, which is convenient for users to use in different countries, without affecting the cooking effect.
- ◆ **Reduced Converter Requirements:** Since the blender supports full voltage range, users do not need additional voltage converters or transformers, reducing the need and cost of purchasing and maintaining these devices.
- ◆ **Environmentally friendly:** Reducing the use of voltage converters helps reduce electronic waste and is kinder to the environment.



## Specification Sheet

### 10 Adjustable Mixing Speed

Model	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
B7D	108	162	216	324	432	540	648	864	972	1172 (RPM)

### TECHNICAL SPECIFICATIONS

MODEL	BD-7L	DIMENSIONS (L*W*H)	372 x 200 x 341 mm
POWER	400 W	BOWL CAPACITY	7 L
PACKAGING WEIGHT	30 lbs / 14KG	PACKAGING DIMENSIONS	480 x 270 x 490 mm
RPM	3000 - 15000	ELECTRICAL	110V/220V 50/ 60Hz