

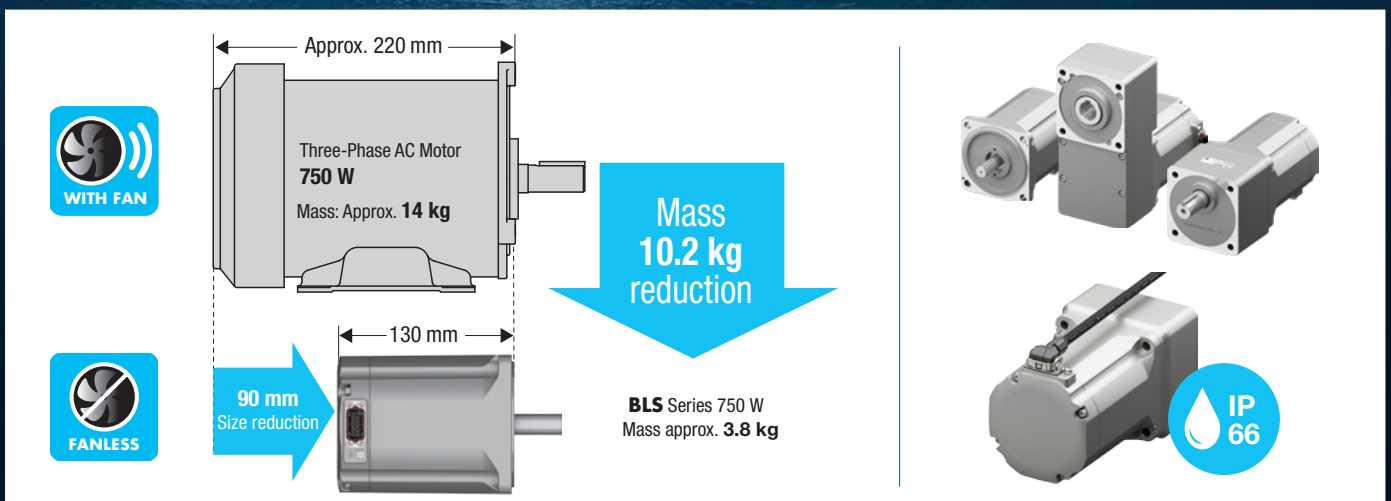
Oriental motor

UPGRADE YOUR CONVEYING SYSTEM WITH YOUR VFD AND OUR BRUSHLESS DC MOTORS



What is a brushless DC motor and how are they better than AC motors?

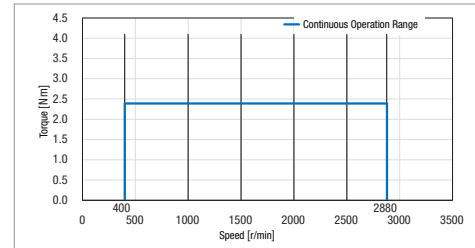
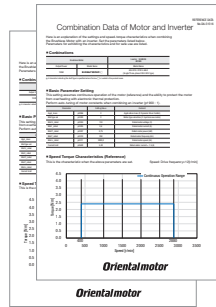
The biggest difference between brushless DC motors and AC motors is that brushless DC motors have a permanent magnet on the rotor which allows the motor to produce larger torque with a more compact motor size. A typical AC motor can weigh 14 kg while our brushless DC motor weighs only 3.8 kg. The lightness of the motor will also protect the workers from unexpected injuries. Also due to its large torque, the motor can maintain high torque at high speeds which allows your application to run at various speeds.



Pairable VFDs

You don't need to change your control system as you can run our motor with the VFDs below. **We have measured torque data, so please feel free to contact us.**

**Siemens / ABB / Lenze / Allen
Bradley / Inovance / Mitsubishi /
Fuji / Toshiba**



Speed Torque Characteristics (Reference)

Typical Applications

You can use our brushless DC motor for every application using an AC motor. However, below are some typical applications you can benefit from the compactness and reliability of the motor.

- Food packaging machine
- Conveyors
- Pumps
- Agitating machine



Agitating machine



Pump

Oriental Motor Driver Lineup

Oriental Motor has also a dedicated driver for brushless DC motors. If you would like to have the best speed stability, lowest vibration and lowest temperature increase, please consider our driver.

Setting: One-touch connection between Motor and Driver.

Connection: Easy power supply connection without tools.

Operation: 24 VDC Power Supply ON



**BLS Series
BLSD750-C**

Orientalmotor



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