

## Carbon Neutral: - BMU & BLE-2 Series

### How our products support Carbon Neutral?

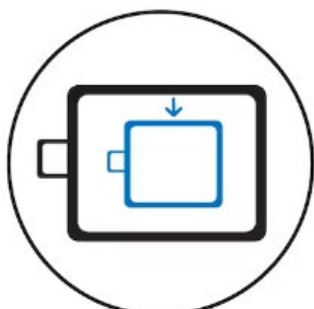
Do you Know??-- For a 200 W AC motor with an inverter (VFD), the annual CO<sub>2</sub> emissions will be 521 kgCO<sub>2</sub> .

#### What does this mean?

What we're saying is that CO<sub>2</sub> emissions can be reduced by 135 kgCO<sub>2</sub> annually if a 200W AC motor and inverter (VFD) is replaced with a brushless motor system of equivalent specifications. 135 kgCO<sub>2</sub>/year is equivalent to one refrigerator's annual CO<sub>2</sub> emissions.

#### Why are brushless motors more efficient?

Brushless motors use permanent magnets to strengthen the magnetic flux, so their loss is lower than AC motors. The fact that they don't suffer from *secondary copper loss* is a major difference. That makes brushless motors highly efficient.



Compact



Energy Efficient

### Sample Application



Gripper Conveyor



#### Reduced Work Hours by Using Fewer Parts

The time required for setup, assembly, wiring and changing parts can be reduced by introducing the coupling technology.

| Conventional Equipment | Number of Parts Required for Change                 |
|------------------------|---|
|                        | Initiator (Flux + 1)<br>Coupling (1)<br>Spacers (2) |
|                        | No change parts are required.                       |

#### Practical Application Example



Conveyor Application

Below is the BLE-2 Series & BMU Series comparison.

#### BLEII SERIES

#### BMU SERIES



|                     |  |  |
|---------------------|--|--|
| Features            | Advanced Performance<br>Torque Control<br>Digital Display<br>4 Speed Setting Methods   | Easy to Use<br>Simple Set Up and Wiring<br>Digital Display |
| Output Power        | 30W (1/25 HP)<br>60W (1/12 HP)<br>120W (1/6 HP)<br>200W (1/4 HP)<br>300W (2/5 HP)<br>400W (1/2 HP)   |  |
| Power Supply        | Parallel Shaft<br>H1 Food Grade Parallel Shaft<br>Parallel Shaft (Food Mount)<br>Parallel Shaft (IP66 Stainless Steel Shaft)<br>Right Angle Hollow Shaft (IP66 Stainless Steel Shaft)<br>Hollow Shaft Flat Gear<br>Round Shaft (No Gear) |  |
| Available Options   | Electromagnetic Brake<br>IP66 & IP67 Types   | IP66 & IP67 Types  |
| Torque Setting      | Yes  | -  |
| Monitoring          | Yes  | -  |
| Speed Setting       | 10 Settings  | 4 Setting  |
| Speed Control Range | 80~ 4000 r/min   |  |
|                     | <a href="#">Read more BLEII Series</a>   | <a href="#">Read more BMU Series</a>                       |

### Our Services



#### Free Download

Download Catalog, Operation manual, Software



#### Member Register

Join us as a member to enjoy exclusive privileges!



#### Web-Ecommerce

Quotation and Price checking via Our website or buy via our E-commerce partner MISUMI



#### Online Selection Tools

Select suitable motors via online selection tools

