Brushless Motors

**BLE2 Series**

With Electromagnetic Brake
120 W (1/6 HP), 200 W (1/4 HP)

The compact, high-output and high-efficiency BLE2 Series of brushless motors now offer a power-off activated electromagnetic brake. Perform stable speed control even during vertical operation (gravitational operation).

### Speed Control and Position Holding (vertical or horizontal) when Stopped

The electromagnetic brake is automatically controlled to turn ON/OFF simultaneously with the operation of the motor. When there is a blackout or when the power is turned OFF, the motor stops instantaneously to hold the load in place. Stable speed control and position holding when stopped (vertical or horizontal) are possible.

- **Vertical Operation (Gravitational Operation)**
  
Perform stable speed control even during vertical operation. Even when there is a blackout or when the power is turned OFF, the load is held in place.

Since regenerative energy is produced during vertical operation, a regeneration unit (sold separately) is required.

- **Position Can be Held when the Power is OFF**
  
The position can be held during both vertical operation and horizontal operation.

### Degree of Protection: IP66

The motor structure and connector have an IP66 degree of protection for improved watertight and dust-resistant performance.

### Product Line of the BLE2 Series

- Electromagnetic Brake Motor 120 W, 200 W
- Parallel Shaft Gearhead GFV Gear, Round Shaft Type
- Right-Angle Hollow Hypoid JH Gear
- Gearhead with Foot JB Gear
- Parallel Shaft Gearhead JV Gear

Visit [www.orientalmotor.com](http://www.orientalmotor.com)

For further information (specifications, dimensions, speed-torque characteristics)
System Configuration

Motors, drivers, and connection cables must be ordered separately.

BLE2 Series with Electromagnetic Brake

Cables and Accessories

- Flexible Couplings
- Mounting Bracket for Motor and Encoder
- DIN Rail Mounting Bracket
- External Speed Controller
- Cable for 40 Signals
- Power Supply Cable
- Regeneration Unit

Example of System Configuration Pricing

<table>
<thead>
<tr>
<th>BLE2 Series with Electromagnetic Brake</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor</td>
<td>Driver</td>
</tr>
<tr>
<td>BLMS120HPM-105</td>
<td>BLE2D120-AM</td>
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<tr>
<td>$611.00</td>
<td>$283.00</td>
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</tbody>
</table>

The system configuration shown above is an example. Other combinations are also available.

BLE2 Series with Electromagnetic Brake

| Output Power - Watts (HP) | 120W (1/6 HP) ~ 200W (1/4 HP) |
| Frame Size - mm (in.) | 90mm (3.54 in.) ~ 110mm (4.33 in.) |
| Speed Range (r/min) | 80 ~ 4000 |
| Power Supply | Single-Phase (VAC) 100-120 / 200-240 |
| | Three-Phase (VAC) 200-240 |
| List Price | Gear motor: $611~ Driver: $283~ Cables: $46~ |

* UL pending

ORIENTAL MOTOR U.S.A. CORP.

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