Door automation solutions
Parvalux provides an exciting range of motors for manufacturers of automatic door and gate opening systems. Our motors prove themselves daily in hundreds of premises, worldwide and offer the reliability, dependability and low running costs our customers have come to expect from a Parvalux British-designed and engineered unit. Whether your requirement is for automatic sliding doors, gate opening systems or electric garage doors, we can quickly customise our range to suit your specification or even develop a motor that’s specific to your application.
Parvalux
About Us

A true British manufacturing success story, Parvalux is the UK’s largest fractional horsepower electric motor manufacturer and supplier with state-of-the-art manufacturing and service facilities.

We have over 70 years’ experience creating the perfect combination of motor and gearbox to match our customers’ applications and we offer thousands of standard AC, DC brushed and DC brushless electric motor options. We can easily customise any motor or gearbox to meet your exact requirements and we can do this at no or minimal extra cost. Our design team can help you choose, customise or design from scratch, geared motor solutions, ensuring you gain a competitive advantage in your market.

Our products are found in hundreds of applications, globally but we are particularly strong in industrial automation, e-mobility, transportation, logistics and a wide range of medical equipment. Parvalux is proudly a maxon company, meaning that we have representation on every continent and the backing of one of the finest technical teams on the planet.

As well as a huge range of standard products we also offer semi-custom and fully-custom design options to ensure you have a geared motor solution that exactly meets the needs of your application.

To find out more about the Parvalux product range, please visit www.parvalux.com.

maxon
Precision Drive Systems

In 2018 Parvalux was acquired by Swiss motor manufacturer, maxon. Their brushless and brushed DC motors with ironless windings are among the best in the world; with flat motors with iron cores completing their modular product portfolio.

maxon’s modular system includes planetary and spur gearheads, spindle drives, as well as encoders and control electronics.
Door Automation Applications

Building access
Whether it’s sliding, spinning or just the standard hinge opening that you require, Parvalux has electric motor solutions to operate doors of all shapes and sizes.

Rail access
Parvalux products are found in various applications throughout the rail industry; from the automated doors on the train itself, to platform equipment and ticket barriers throughout the station, our motors make sure your trip from A to B runs as smoothly as possible.

Elevator/lift access
Parvalux appreciates that safety is a key factor in the automation of elevator doors, and it’s the reliability of our motors that ensures that we get it right on so many levels.

Home access
We know security is of paramount importance in your home, and our ability to provide the reliable operation in a range of environmental conditions means Parvalux geared motors are perfectly suited for automatic gates and garage doors wherever you may live.

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BRx52-GB58 | PMDC right-angle geared motor
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### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>BRx52-95</th>
<th>BRx52-125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>V</td>
<td>12 - 48</td>
</tr>
<tr>
<td>Maximum power</td>
<td>W</td>
<td>43</td>
</tr>
<tr>
<td>Nominal speed</td>
<td>rpm</td>
<td>330</td>
</tr>
<tr>
<td>Nominal torque</td>
<td>N·m</td>
<td>1.0</td>
</tr>
<tr>
<td>Peak torque</td>
<td>N·m</td>
<td>3.0</td>
</tr>
<tr>
<td>Gearbox axial load</td>
<td>N</td>
<td>300</td>
</tr>
<tr>
<td>Gearbox radial load</td>
<td>N</td>
<td>400</td>
</tr>
<tr>
<td>Gearbox efficiency</td>
<td>%</td>
<td>80</td>
</tr>
<tr>
<td>Gearbox ratio</td>
<td>1:1</td>
<td>10</td>
</tr>
<tr>
<td>Motor length</td>
<td>mm</td>
<td>95</td>
</tr>
</tbody>
</table>

### Accessories

- **Brake**
  - Power on: 38.0
  - Power off: 32.0
- **Gearbox**
  - Shaft attachment: pulleys, cogs, etc.
- **Encoder**
  - Low resolution: 4 - 48 ppr
  - High resolution incremental: 4 - 4096 ppr
  - High resolution absolute: 4 - 4096 ppr

---

Light-duty 06
BRx63-GB58  PMDC right-angle geared motor

Light-duty door automation systems

Technical data

Motor  BRx63-110  BRx63-125
Voltage  V  12 - 48  12 - 48
Maximum power  W  65  108
Nominal speed  rpm  330  330
Nominal torque  Nm  1.5  2.5
Peak torque  Nm  4.0  6.0
Gearbox axial load  N  300  300
Gearbox radial load  N  400  400
Gearbox efficiency  %  80  80
Gearbox ratio  1:1  10  10
Motor length  mm  110  125

Accessories

Brake  +L mm  32.0
Power on  18  39
Power off  81
Gearbox  +L mm
Shaft attachments; pulleys, cogs, etc.
Encoder  +L mm
Low resolution  4 - 48 ppr
High-resolution Incremental  4 - 4096 ppr
High-resolution Absolute  4 - 4096 ppr

BLx60-GB58  BLDC right-angle geared motor

Light-duty door automation systems

Technical data

Motor  BLx60-70  BLx60-90
Voltage  V  24 - 48  24 - 48
Maximum power  W  52  121
Nominal speed  rpm  330  330
Nominal torque  Nm  1.2  2.8
Peak torque  Nm  3.5  6.0
Gearbox axial load  N  300  300
Gearbox radial load  N  400  400
Gearbox efficiency  %  80  80
Gearbox ratio  1:1  10  10
Motor length  mm  70  90

Accessories

Brake  +L mm  32.0
Power on  18  39
Power off  81
Gearbox  +L mm
Shaft attachments; pulleys, cogs, etc.
Encoder  +L mm
Low resolution  4 - 48 ppr
High-resolution Incremental  4 - 4096 ppr
High-resolution Absolute  4 - 4096 ppr
### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>PM70-146</th>
<th>EC70-92</th>
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<tbody>
<tr>
<td>Voltage</td>
<td>12 - 48 V</td>
<td>12 - 48 V</td>
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<tr>
<td>Maximum power</td>
<td>220 W</td>
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<tr>
<td>Nominal speed</td>
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<tr>
<td>Nominal torque</td>
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<td>5.0 Nm</td>
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<tr>
<td>Peak torque</td>
<td>22.0 Nm</td>
<td>22.0 Nm</td>
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<td>Gearbox axial load</td>
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<td>Gearbox efficiency</td>
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<td>90 %</td>
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<td>Gearbox ratio</td>
<td>12.5:1</td>
<td>12.5:1</td>
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<tr>
<td>Motor length</td>
<td>146 mm</td>
<td>92 mm</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Component</th>
<th>Power on</th>
<th>Power off</th>
<th>+L mm</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brake</td>
<td></td>
<td></td>
<td>32.0</td>
<td></td>
</tr>
<tr>
<td>Gearbox</td>
<td></td>
<td></td>
<td>38.0</td>
<td>Shaft attachments, pulleys, cogs, etc.</td>
</tr>
</tbody>
</table>

### Encoder

- **Low resolution**: 4 - 48 ppr
- **High-resolution incremental**: 4 - 4096 ppr
- **High-resolution absolute**: 4 - 4096 ppr

<table>
<thead>
<tr>
<th>Component</th>
<th>Power on</th>
<th>Power off</th>
<th>+L mm</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encoder</td>
<td></td>
<td></td>
<td>32.0</td>
<td></td>
</tr>
</tbody>
</table>
**Technical data**

**PM90-GB9** PMDC right-angle geared motor

- **Motor**
  - **BLx86-105 BLx86-130**
  - **Voltage** V 12 - 48
  - **Maximum power** W 380
  - **Nominal speed** rpm 330
  - **Nominal torque** Nm 9.0
  - **Peak torque** Nm 40.0
  - **Gearbox axial load** N 600
  - **Gearbox radial load** N 800
  - **Gearbox efficiency** % 90
  - **Gearbox ratio** 1:1 12.75
  - **Motor length** mm 180

**Accessories**

- **Encoder**
  - Low resolution
  - High-resolution incremental
  - High-resolution absolute
  - 4 - 48 ppr
  - 4 - 4096 ppr
  - 4 - 4096 ppr

- **Brake**
  - Power on
  - Power off

- **Gearbox**
  - Shaft attachments; pulleys, cogs, etc.

**BLx86-GB9** BLDC right-angle geared motor

- **Motor**
  - **BLx86-105 BLx86-130**
  - **Voltage** V 12 - 48
  - **Maximum power** W 380
  - **Nominal speed** rpm 330
  - **Nominal torque** Nm 9.0
  - **Peak torque** Nm 40.0
  - **Gearbox axial load** N 600
  - **Gearbox radial load** N 800
  - **Gearbox efficiency** % 90
  - **Gearbox ratio** 1:1 12.75
  - **Motor length** mm 105

**Accessories**

- **Encoder**
  - Low resolution
  - High-resolution incremental
  - High-resolution absolute
  - 4 - 48 ppr
  - 4 - 4096 ppr
  - 4 - 4096 ppr

- **Brake**
  - Power on
  - Power off

- **Gearbox**
  - Shaft attachments; pulleys, cogs, etc.
Made in the UK...

...Available Worldwide

Paravalux products are used in a range of different industries all over the world, so it’s important that we can support you wherever you may be.

Our global network ensures that we can answer your questions quickly and clearly, and, of course, get your order to you as soon as possible.
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