VIPER3 | Wiper Motor

Designed and built to withstand a variety of different environments, the new VIPER3 from Parvalux is the perfect geared motor solution for use in your large wiper system application. Trusted to work reliably in the harshest conditions, the VIPER3 can comfortably operate when faced with dust, liquid, high & low temperatures, and wide variances in humidity, allowing it to integrate seamlessly into vehicles across the rail, marine, haulage, and transport sectors.

Equipped with multiple mounting options, the space conscious design of the VIPER3 allows for it to be easily mounted into your application. This, combined with internal wiring and an enclosed commutation brush design, makes this self-contained, IP54 rated, geared motor the ideal solution for use in your large wiper system.

Features and Benefits

- **Adaptable mounting and added support structures** offer excellent reliability and quick and easy integration into your system.
- **Large brush design** reduces wear on the brushes in the higher speed modes of the system, ensuring the VIPER3 works hour after hour, day after day.
- **Reduced gear wear compared to other systems on the market**, made possible through the use of composite materials, a larger diameter gear, and a one piece worm spindle.
- **IP Protection standard options range from IP42 to IP56**.
- **Space conscious design** with external measurements of just 280 x 126 x 145 mm.
- **Mode Switching**: separate mode switch with internally routed wiring ensures a clean and minimal design.

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<thead>
<tr>
<th>Nominal Voltage</th>
<th>80 Series</th>
<th>110 Series</th>
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<tbody>
<tr>
<td></td>
<td>24/48/110/220 VDC</td>
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<thead>
<tr>
<th>Nominal Torque</th>
<th>80 Series</th>
<th>110 Series</th>
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<tbody>
<tr>
<td>9Nm/6.5Nm @ 21/36 RPM and 9Nm/6.5Nm @ 30/45 RPM</td>
<td>15Nm/10Nm @ 21/36 RPM and 15Nm/10Nm @ 30/45 RPM</td>
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<tr>
<th>Nominal Output Power</th>
<th>80 Series</th>
<th>110 Series</th>
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<tr>
<td>51/56W based @ 24V 30/45RPM unit</td>
<td>86/86W based @ 24V 30/45RPM unit</td>
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- Other options available on request

About Us

Parvalux’s geared motor solutions are found in a huge range of applications from the safety critical, such as those in healthcare like wheelchairs and patient hoists, to powering the windscreen wipers on the world’s largest ships and fastest trains. They are also used extensively in the leisure industry in everything from golf trolleys and carts to caravan movers and clay pigeon traps.

With over 70 years’ experience in providing geared motor solutions to a number of different industries, it is the high efficiency and reliability that sets Parvalux products above its competitors. The breadth of experience we have obtained working on a range of different applications means the Parvalux design team can produce solutions from scratch, and if needed work as an extension of your own design team, to ensure you get the perfect solution to power your product.
PARVALUX
PRODUCT RANGE

DC GEARED MOTORS
Motor Only or Geared
Brushed & Brushless
Standard, Semi-Custom, & Fully Bespoke Options Available
Power Range: 7.5W - 985W
Torque Range: 0.3Nm - 250Nm

AC GEARED MOTORS
Motor Only or Geared
Single & Three Phase
Power Range: 8W - 750W
Torque Range: 0.05Nm - 250Nm

GET IN TOUCH FOR YOUR PERFECT GEARED MOTOR SOLUTION

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