

## IP65 Rated Step Motors

Step motors for wet and dusty environments



### Product Features

- NEMA 23, 24 and 34 frame sizes available
- Integral 10 ft shielded cable w/ cable gland
- Sealed laminations
- Front shaft seal
- For use with Applied Motion stepper drives
- Single shaft versions standard
- Double shaft versions available with IP65 rated encoder cover

## Series Details

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Applied Motion Products is pleased to announce the addition of NEMA size 23, 24 and 34 stepper motors with IP65 ratings for operation in severe environmental conditions.

These new models, dust proof and resistant to low pressure water jets, are ideal for applications in wet factory environments such as the food and beverage industry or outdoor use. Key features include a nickel plated brass cable gland, sealed laminations, a front shaft contact seal and an optional IP65 rated encoder cover for use with products that require feedback. All models have an internal corrosion-resistant film coating as standard. For improved protection in high-humidity environments an advanced coating is available as an option.

IP65 specifies a product that is dust tight (no ingress of dust; complete protection against contact) and protected against water jets (water projected by a nozzle from any direction shall have no harmful effects). To see our motor design operating in a rain simulation chamber check out the following video...

[VIDEO: IP65 Step Motor - Rain Simulation Test](#)

The table below lists the step motor part numbers currently available with IP65 ratings. Details for these part numbers including specifications, drawings and information on the versions with encoders are available by clicking on the part numbers in this table. If your application has unique requirements, please [contact us](#) to discuss solutions.

## Products in the Series *IP65 Rated Step Motors*

Part Number	Frame Size	Length	Holding Torque	Series Current	Parallel Current	Rotor Inertia
<a href="#">HW23-598</a>	NEMA 23	2.34	158	2.12	4.24	3.68E-03
<a href="#">HW23-601</a>	NEMA 23	3.21	269	2.12	4.24	6.51E-03
<a href="#">HW23-753</a>	NEMA 23	2.19	153	0.71	1.41	3.12E-03
<a href="#">HW23-754</a>	NEMA 23	3.23	227	0.71	1.41	6.51E-03
<a href="#">HW24-108</a>	NEMA 24	3.72	354	NA	4.0	1.27E-02
<a href="#">HW34-506</a>	NEMA 34	5.0	1260	2.8	5.6	3.87E-02
<a href="#">HW34-696</a>	NEMA 34	4.59	1062	2.03	4.06	3.87E-02