

Standard AC Motors

IP67 Watertight, Dust-Resistant Motors

Overview

Three-Phase Induction Motors

Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & Brake Motors

Low-Speed Synchronous Motors

Torque Motors

**IP67 Watertight,
Dust-Resistant Motors**

IP67 Watertight,
Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

AC input DSC

IP67 Watertight, Dust-Resistant Motors

FPW Series

Induction Type



● For detailed information about regulations and standards, please see the Oriental Motor website.



- Geared motors that conform to IEC Standard IP67.
- Suitable for use in locations where the equipment is splashed or needs to be washed with water periodically.
- Output powers of 25 W (1/30 HP), 40 W (1/19 HP), 60 W (1/12 HP) and 90 W (1/8 HP) are available.



See Full Product Details Online
www.orientalmotor.com

● Manual

● Specifications

● Dimensions

● CAD

● Characteristics

● Connection and Operation

Features

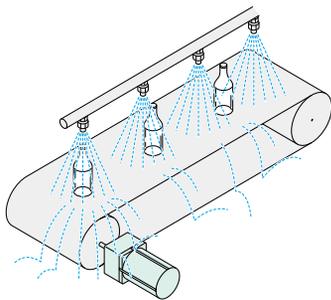
● Watertight and Dust-Resistant Performance IP67

The **FPW** Series motors are watertight, dust-resistant geared induction motors which conform to the IEC Standard IP67. They can be used where they are splashed with water.

- Not available for use under high pressure jets of water or immersion in water

IP67: IP codes indicating the grade of dust-resistance and waterproofing are specified under IEC 60529 and IEC 60034-5.

FPW Series recognized by UL conforms to IP67 (UL File No. E166348).



● Improved Anti-Corrosion Properties

High corrosion resistance is achieved through special anti-corrosive coating and shaft material of stainless steel (SUS303 type).

● Designed and Constructed for Watertight and Dust-Resistance

Special anti-corrosive coating

Oil-shield protection

Stainless steel shaft
(SUS303 type)

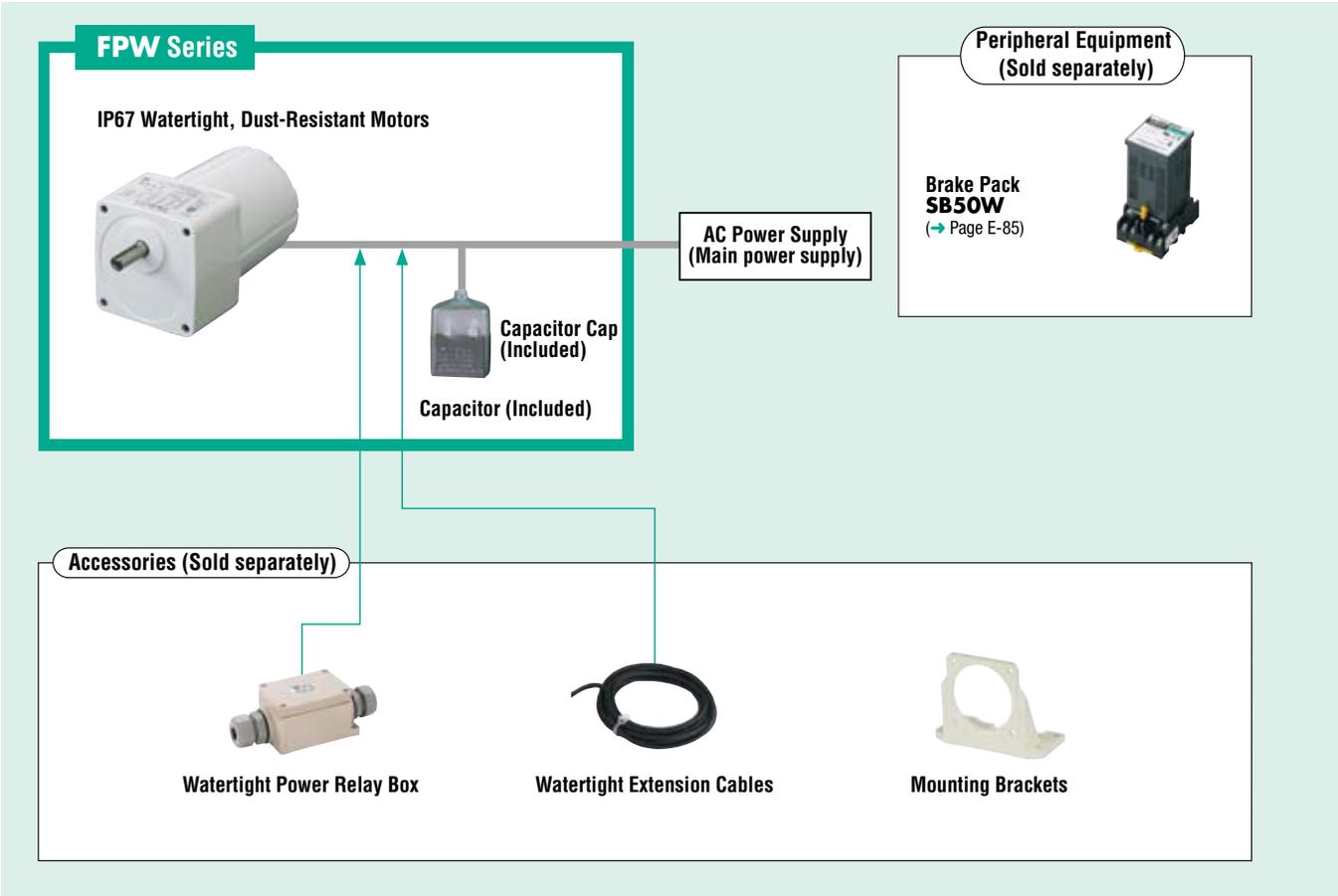


Watertight, dust-resistant geared motor
 O-ring employed at motor/gear case junction

● Conforms to Standards

The **FPW** Series is recognized by UL/CSA Standards and conforms to CE Marking (Low Voltage Directive). These motors are also certified under the China Compulsory Certification System (CCC System).

System Configuration



- Overview
- Three-Phase Induction Motors
- Induction Motors
- Reversible Motors
- Electromagnetic Brake Motors
- Clutch & Brake Motors
- Low-Speed Synchronous Motors
- Torque Motors
- IP67 Watertight, Dust-Resistant Motors**
- Brake Pack
- AC Speed Control Motors
- AC input DSC

Product Number

FPW 4 25 A 2 - 15 U

① ② ③ ④ ⑤ ⑥ ⑦

①	Series	FPW: FPW Series
②	Motor Frame Size	4: 80 mm (3.15 in.) 5: 90 mm (3.54 in.) 6: 104 mm (4.09 in.)
③	Output Power (W)	(Example) 25: 25 W (1/30 HP)
④	Power Supply Voltage	S: Three-Phase 220/230 VAC A: Single-Phase 110/115 VAC C: Single-Phase 220/230 VAC
⑤		2: RoHS-Compliant
⑥	Gear Ratio	
⑦	Included Capacitor	U: For Single-Phase 110/115 VAC E: For Single-Phase 220/230 VAC Blank: Three-Phase Type

● The **U** and **E** at the end of the product name indicate that the unit includes a capacitor. These letters are not listed on the motor nameplate.
When the motor is approved under various standards, the product name on the nameplate is the approved product name.
(Example) Model: **FPW425A2-15U**
→ Motor nameplate and product approved under various standards: **FPW425A2-15**

Product Line

Output Power	Power Supply Voltage	Product Name	Gear Ratio	List Price
25 W (1/30 HP)	Three-Phase 220/230 VAC	FPW425S2-□	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18	\$295.00
			25, 30, 36	\$306.00
			50, 60, 75, 90, 100, 120, 150, 180	\$317.00
	Single-Phase 110/115 VAC	FPW425A2-□U	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18	\$291.00
			25, 30, 36	\$302.00
			50, 60, 75, 90, 100, 120, 150, 180	\$313.00
	Single-Phase 220/230 VAC	FPW425C2-□E	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18	\$295.00
			25, 30, 36	\$306.00
			50, 60, 75, 90, 100, 120, 150, 180	\$317.00
40 W (1/19 HP)	Three-Phase 220/230 VAC	FPW540S2-□	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18	\$359.00
			25, 30, 36	\$370.00
			50, 60, 75, 90, 100, 120, 150, 180	\$381.00
	Single-Phase 110/115 VAC	FPW540A2-□U	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18	\$355.00
			25, 30, 36	\$365.00
			50, 60, 75, 90, 100, 120, 150, 180	\$376.00
	Single-Phase 220/230 VAC	FPW540C2-□E	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18	\$359.00
			25, 30, 36	\$370.00
			50, 60, 75, 90, 100, 120, 150, 180	\$381.00
60 W (1/12 HP)	Three-Phase 220/230 VAC	FPW560S2-□	3, 3.6, 5, 6, 7.5, 9	\$424.00
			12.5, 15, 18	\$439.00
			25, 30, 36, 50, 60	\$452.00
	Single-Phase 110/115 VAC	FPW560A2-□U	3, 3.6, 5, 6, 7.5, 9	\$419.00
			12.5, 15, 18	\$432.00
			25, 30, 36, 50, 60	\$447.00
	Single-Phase 220/230 VAC	FPW560C2-□E	3, 3.6, 5, 6, 7.5, 9	\$424.00
			12.5, 15, 18	\$439.00
			25, 30, 36, 50, 60	\$452.00
90 W (1/8 HP)	Three-Phase 220/230 VAC	FPW690S2-□	3, 3.6, 5, 6, 7.5, 9	\$522.00
			12.5, 15, 18, 25, 30, 36	\$536.00
			50, 60, 75, 90, 100, 120, 150, 180	\$550.00
	Single-Phase 110/115 VAC	FPW690A2-□U	3, 3.6, 5, 6, 7.5, 9	\$516.00
			12.5, 15, 18, 25, 30, 36	\$529.00
			50, 60, 75, 90, 100, 120, 150, 180	\$543.00
	Single-Phase 220/230 VAC	FPW690C2-□E	3, 3.6, 5, 6, 7.5, 9	\$522.00
			12.5, 15, 18, 25, 30, 36	\$536.00
			50, 60, 75, 90, 100, 120, 150, 180	\$550.00

● A number indicating the gear ratio is entered where the box □ is located within the product name.

The following items are included with each product.
Motor, Capacitor*, Capacitor Cap*, Installation Screws, Parallel Key, Operating Manual
*Only for single-phase motors

For details (specifications, characteristics, dimensions and more) on these products, please either refer to our website or contact technical support or your nearest Oriental Motor sales office.
www.orientalmotor.com