

Mabuchi started selling RZ-735VA, a motor for power tools

- Mabuchi succeeded in decreasing volume/weight to 3/4 of that of conventional product without using rare earth -

Mabuchi Motor Co., Ltd. (the head office located in: Matsudo City, Chiba pref., Japan ; president: Shinji Kamei) started selling the above-mentioned new motor for power tools.

In recent power tool markets, needs for smaller, lighter and higher-output products focusing on workability are increasing. In order to meet this market trend, we upgraded the optimal design of magnetic circuits, one of our strong points. Consequently, without using any rare earth such as neodymium, price of which is unstable, we succeeded in developing this product that has 3/4 volume and weight compared with that of our conventional product (RS-775VC/WC) and maintains performance equivalent to that of RS-775VC/WC. In addition, this product normally conforms to the electrical noise standard, which is to be applied to power tools for Europe from 2012. We continuously make efforts to decrease rare earth usage and to further reduce motor size and weight.

■Features of the product

1. Decreases both volume and weight to 3/4.

•Based on comparison with our conventional product (RS-775VC/WC) of equivalent performance

2. Uses no rare earth magnet.

•By optimizing magnetic circuit design, high output is realized with a general ferrite magnet without using any neodymium type rare earth magnet effective for materializing smaller and higher-output motors.

3. Normally conforms to the electrical noise standard.

•Normally conforms to the electrical noise standard (CISPR14-1,ed.5.), which is to be applied to power tools for Europe from 2012.

■Pictures of the product

Appearance of new product RZ-735VA



Size comparison of conventional product and new product



■Outline of the product

Application	Power tools (drill driver, impact driver, impact wrench, ratchet wrench, concrete vibrator, garden tools, lawn trimmer, sprayer, and the like)
Output	20 - 300 W (at the time of the highest efficiency)
Working voltage	9 - 20V
Size	Diameter: 45mm × Length: 53.5mm (Compared with the conventional product, shortened the length by 13.5mm.)
Weight	Approximately 280g (Compared with the conventional product, lightened the weight by 100g.)
Conformity to electrical noise standard	Normally conforms to CISPR14-1,ed.5.

Contact information:

Mabuchi Motor Co., Ltd.
Sales Headquarters, Sales Dept. 1, Sales Group 3
TEL : 81-710-1104 FAX : 81-47-710-1132