

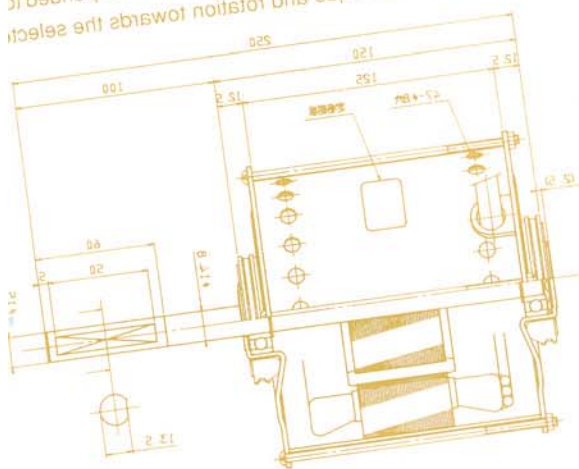
愛知電機技報

Aichi Electric Technical Report

NO. 11

Single Coil Brushless DC Motor

This paper describes a Brushless DC motor newly developed by our company and its characteristics. This motor is not just a simple permanent magnet motor but has bidirectionally (reversibility) and bidirectional rotation. Much consideration has been expended to select the torque and rotation towards the selected direction.

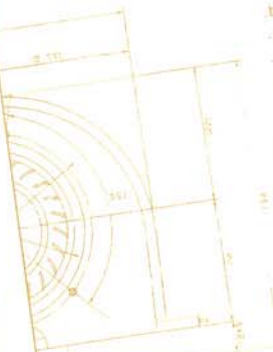


As a step of the company's strategy for enhancing the efficiency of jobs, we have developed and installed "Automatic Test System for Load Characteristic of the Small Motors." This system has realized great savings on labor in the measurement of load characteristic of the small motors, which conventionally involved much time on the part of the engineering and daily control department. The automatic test system for load characteristic of the shading coil motor has recently been utilized. This paper reports on its applicable range, system configuration, and the outline of its management.

This paper describes a Brushless DC motor incorporating a technique newly developed by our company and suggests the new trend in Brushless DC motors. This motor is not just a simple permanent magnet motor but rather has a skeleton type single coil without sensor to detect rotor-position and has bidirectionally (reversibility) and bidirectional rotation.

Automatic Test System for Load Characteristic of the Small Motors

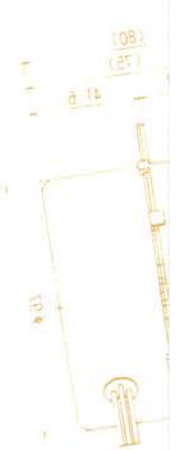
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DC Motor

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