

Industry Sector Drive Technologies Division

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Siemens extends the Simotics T-1FW6 series of built-in torque motors in the lower output range

Siemens Drive Technologies Division is adding two frame sizes to its range of built-in torque motors in the lower output range, thus extending the applications of the Simotics T motor series. Thanks to its more compact shape, the new frame sizes BG50 und BG60 can be used in confined spaces without any problem. The new frame sizes are available with natural ventilation or water cooling.

In conjunction with the Sinamics S120 drive system, the built-in torque motors can be used as direct drives for rotary axes that require maximum precision and high torque. Thanks to their compact dimension and their high control stability resulting from their direct installation, they often replace common motor/gear combinations. Common fields of application are rolling drives, rotary tables and tool turrets in machine tools. In addition to their compact dimensions, the low-speed-wound permanent-magnet three-phase synchronous motors achieve a high dynamic response and high accuracy of positioning.

Siemens is expanding its existing range of Simotics T-1FW6 built-in torque motors with two smaller frame sizes. The rated torque range now starts at 22 Nm and reaches, as previously, up to 5760 Nm. Like the current range, the two new frame sizes BG50 and BG60 can be completely integrated into the machine.

The motors have a smaller diameter than comparable cooling jacket versions and feature simple mechanical interfaces and a standard cooling water connection thanks to a closed cooling water circuit.

A picture accompanies this Press Release. You can find the picture on the Internet at:

www.siemens.com/dt-picture/4005



The new frame sizes of the Simotics T-1FW6 series enable the use of built-in torque motors even in confined spaces.

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