

Quantum Series Brushless DC Motors

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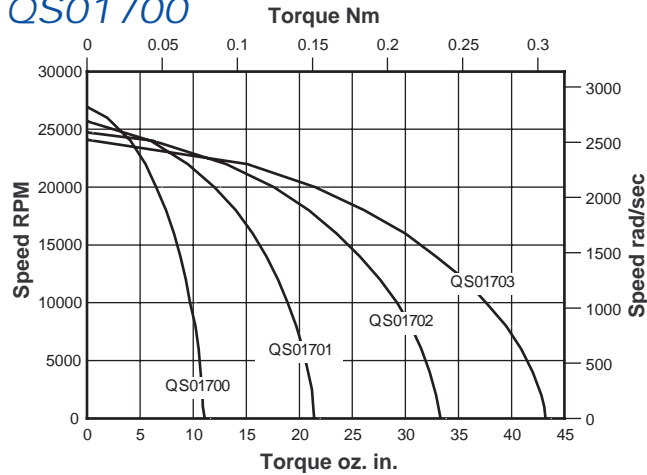
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QS01700



QS High Efficiency Motors

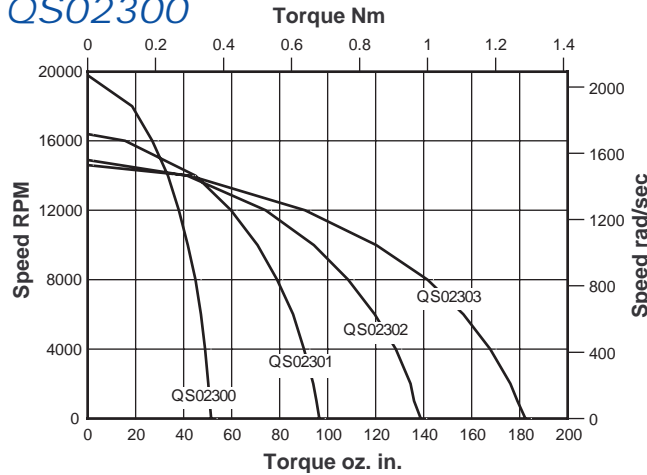
The QS versions of the Quantum Series of motors, are designed for increased operating efficiency at higher speeds. This is accomplished by the use of thinner, low core loss, lamination material. The result is that for a given temperature rise, the motor can operate at higher speed while still producing useful amounts of output torque compared to the standard Quantum Series motors (QB) that are optimized for servo performance at lower operating speeds.

The mechanical dimensions of the QS motors remain the same as the QB versions. Except for the Viscous Damping and Hysteresis Drag torque, the datasheet parameters for Size and Winding constants remain the same.

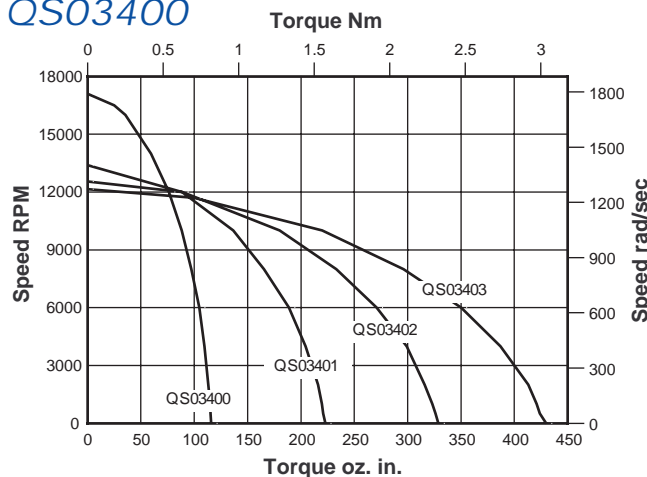
For loadpoints beyond those shown on the accompanying graphs, we can further optimize the magnetic circuit designs through geometry and material changes.

Additionally, windings which are optimized for a specific application's higher operating speeds can be provided.

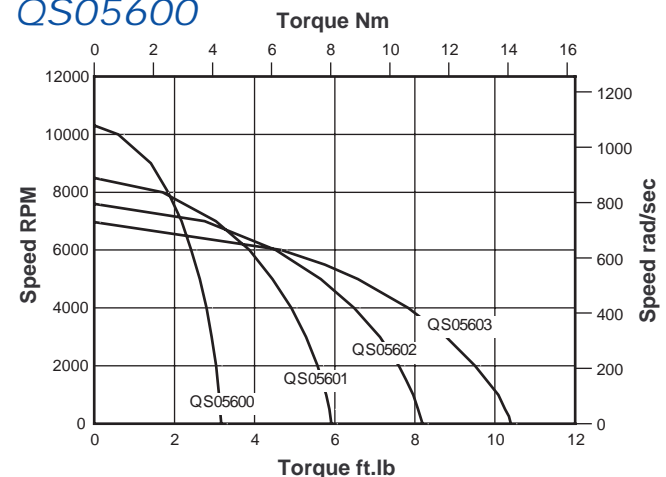
QS02300



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QS05600



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