

# Brush DC Motors Designed for Smooth and Quiet Operation

Motors can deliver quiet and smooth operation over time. Their modular construction promotes customization to satisfy specific requirements, adding versatility. The motors with 2-pole stators incorporate 7-slot skewed armatures to minimize magnetic cogging (or reluctance torque) and enable smooth and quiet running performance. Standard features include ceramic magnets, silicon steel laminations, copper graphite brushes, and heavy-gauge steel housing. Motors are available in six lengths (from 1.82 inches to 3.35 inches) and can achieve a maximum continuous torque rating of 6.9 oz-in at speeds up to 6070 rpm, depending on model. Speed, voltage, current, and torque characteristics can be varied to meet application demands.

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