

Hybrid Stepper Motors Suit Industrial Applications



MAE brand Size 34 (Model HS 200) hybrid stepper motors from Ametek Technical Products exhibit desirable torque characteristics to power a wide range of industrial equipment applications. Their low detent torque to holding torque ratios serve to deliver smooth and quiet operation and the fine positioning capability required for microstepping. Typical applications include actuators, packaging machinery, pumps, and other equipment across industries. The motors are CE approved and manufactured according to EN 60034-1 specifications. UL versions are available upon request. Their top-to-bottom insulation system incorporating stator insulators and other components enables the steppers to withstand internal temperatures up to 130°C. These hybrid steppers include three versions with step resolutions of 1.8° (200 steps per rev) in full-step mode. Holding torques (bipolar) of 779 oz-in, 1062 oz-in, or 1416 oz-in can be achieved, depending on motor type. All are available in standard NEMA34 mounting configuration. Other features include precision-honed stators and ground rotors for tight air gap and maximum performance, single- or double-ended shaft extensions, and high-temperature grade neodymium iron bore magnets.

Ametek Technical Products

330-673-3452, www.ametektechnicalproducts.com [1]

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