



## 3-Phase, 12-Pole, Brushless DC Motors for Home Appliances, Automotive and Office Automation Equipment



### 13H

- 24.2 Dia. x 19.1mm Case
- Up to 3.2W Continuous Output
- Continuous Torque to 5.6 mN•m
- Clockwise Rotation (CCW Optional)
- 12V or 24V Operation
- Locked Rotor Protection
- Low Inertia
- Variety of Control/Signal Options



### 22H

- 35.8 Dia. x 40mm Case
- Continuous Output Power to 9.6W
- Up to 42 mN•m Continuous Torque
- Clockwise Rotation (CCW Optional)
- 12V or 24V Operation
- Locked Rotor Protection
- Low Inertia
- Variety of Control/Signal Options



### 27H

- 48.9 Dia. x 31.7mm Case
- Up to 17.5W Continuous Output Power
- Continuous Run Torque to 63 mN•m
- Logic-Controlled CW/CCW Rotation
- 24V Operation
- Locked Rotor Protection
- PWM or PLL Speed Control
- Open-Collector Tachometer