

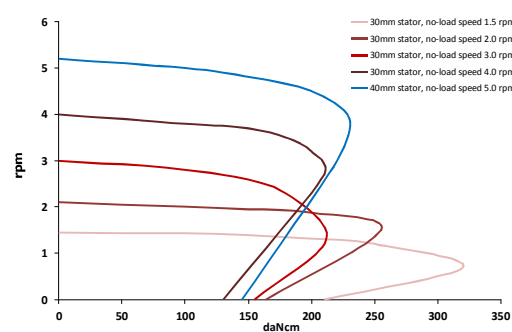
Gear motor (Type MR 330)



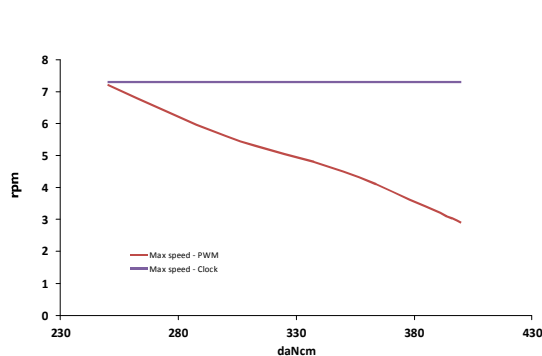
Description

Bitron MR 330 Gear Motor, composed by a metal case with plastic and metal gear wheels, is designed for heavy loads and long-life operations. It produces a rotary motion for any type of device, with a specifically developed version for low noise applications as moving the feed screw in pellet stoves. Supplied with AC synchronous motor or brushless motor, it can be sized with different power and coil windings for continuous or variable duty cycles.

Typical Torque/Angular Speed curves AC motor



Typical Torque/Angular Speed curves Brushless motor



Datasheet

- Ambient temperature** From -20°C to 70°C
- Rotation** CW / CCW
- Maximum output power** Up to 80W
- Maximum torque** Up to 34Nm
- Insulation class** H (180°C)
- Other features on request**
- Different motor sizes** (stator stack length: 20, 30 & 40mm)
- Customized** output shaft geometry
- Angular velocity** feedback through hall effect sensor

Available features

| MOTOR TYPE | Asynchronous AC motor | Brushless DC motor (PWM, CLOCK) |
|----------------------|--|---------------------------------|
| SUPPLY RATING | 100 / 110 / 230V-50 / 60 Hz | 24 VDC |
| NO LOAD SPEED | 1.5, 2, 3, 4, 5 rpm | Up to 7 rpm |
| THERMAL PROTECTION | 110°C, 140°C, 160°C, without | |
| OUTPUT SHAFT | Ø: 8.5 mm, 9.5mm, with milling | without output shaft |
| ELECTRIC CONNECTIONS | faston, pigtail cable connector, connector | |

Overall dimensions

