

Features

- Fluid dynamic bearing technology
- Low noise, sound power overall
max. 20 dB(A) re 1 pW
- Low vibration
- Low NRRO < 40 nm
- Wobble error < 3"
- Run out rotor
axial: < 10 μm
radial: < 10 μm
- Static imbalance < 35 mg · cm

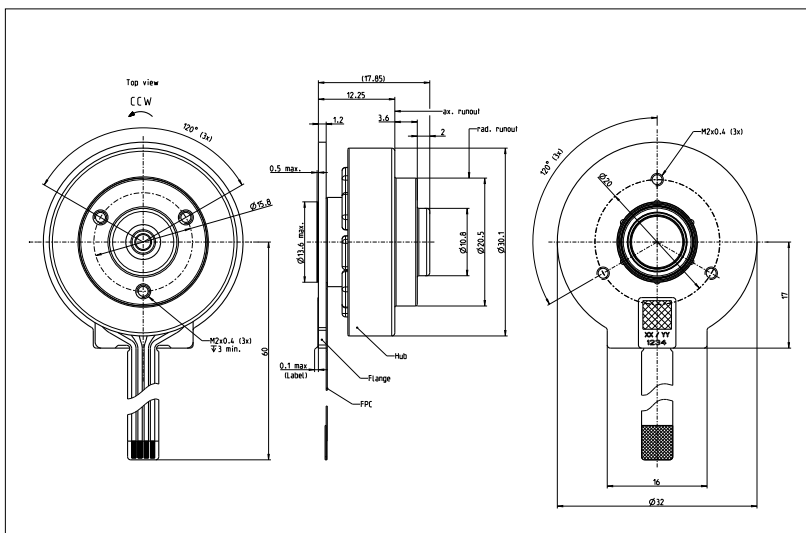
**General Information****Mounting position:** arbitrary**Bearing system:** FDB (Fluid Dynamic Bearing)**Torque constant kt:** 6.6 mN · m/A**Motor weight:** max. 45 g**Polar rotor inertia:** $1.4 \times 10^{-6} \text{ kg} \cdot \text{m}^2$ **Temperature range:**

operating: -40 °C to +105 °C**

non operating: -40 °C to +105 °C**

Direction of rotation: CCW only**Number of poles/slot:** 12/9**Speed range:** 1000 - 12000 rpm****Recommended load:** < 100 g****Specifications**

Rated Voltage* [v]	Rated Speed* [rpm]	Power at Rated Speed [w]	Friction Torque at Rated Speed [mNm]	Current at Rated Speed [without load]
5	3600	0.45	1.19	0.18

Dimensions**Options****Integrated drive electronic:** No**Planetary gearbox:** No**Sensorless operation:** Yes

*These parameters are just example values at 23 °C. They depend on individual requirements and electronics used.

**Operating conditions and load depending on specific application requirements.