

BO92(160W)



Design

BO9228 Series Motors are Brushless DC Outrunner motors with 90mm diameter and 28mm height. These Motors are available with sensor and without sensor. Robust Ball bearings ensure excellent service life with ≥5000Hrs. Drivers are also available as an Add-On unit on special request. These motors are available in different speeds and different voltages on special request. In order to reduce motor height, we can use FFC cable also on the special request.

Standard Data

| Motor Type | | Outrunner Brushless dc motor |
|---------------------------------|----|------------------------------|
| Configuration | | 18N-22P |
| Ambient Temperature Operation | °C | -40°C to +100°C |
| Storage & Transport Temperature | °C | -60°C to +120°C |
| Weight | g | 630 |
| Electrical Enclosure | IP | 30 (As per IEC 60529) |
| Life expectancy | | ≥5000 hours @ Rated Torque |

Available Customizations

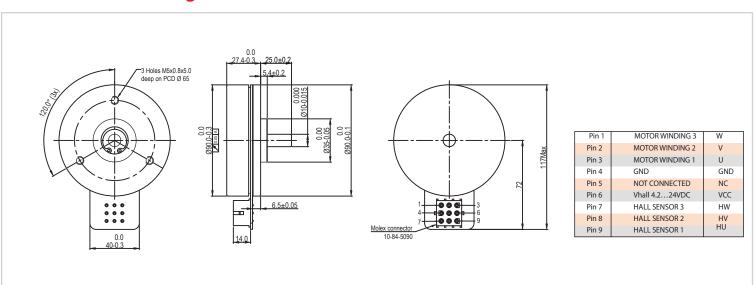
| Sensorless |
|---|
| Inbuilt driver |
| Customized motor speed |
| Dust cover (Upto IP 65 **) |
| Customized shaft |
| 18/26 AWG x 200mm ends tinned & stripped |
| Hollow shaft for robotics and gimbal applications |

Technical Data

| MECHTEX | Physical data | No load data | | | Data at Rated Torque | | | | Stall | |
|-----------|---------------|--------------|-------|---------|----------------------|---------|--------|--------|--------|---------|
| MODEL No. | Dia x height | Voltage | Speed | Current | Speed | Current | Torque | Power | Torque | Current |
| | mm | V DC | RPM | А | RPM | Α | cNm | W(out) | cNm | А |
| BO9228 | 90 X 28 | 12 | 3277 | 1.4 | 2810 | 13 | 0.4 | 112.40 | 650 | 206 |
| | 90 X 28 | 24 | 3277 | 0.7 | 2810 | 7 | 0.4 | 112.40 | 690 | 105 |

^{*}Other speeds & voltages on special request

Dimensional Drawing



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^{**} On special request