

BO32(6W)



Design

BO3210 Series Motors are Brushless DC Out runner motors with 32mm diameter and 10 mm height. These Motors are available with sensor and without sensor. Robust Ball bearings ensure excellent service life with ≥ 5000 Hrs. 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		Brushless dc motor
Configuration		6N-8P
Ambient Temperature Operation	°C	-40°C to +100°C
Storage & Transport Temperature	°C	-60°C to +120°C
Weight	g	38
Electrical Enclosure	IP	40 (As per IEC 60529)
Life expectancy		≥ 5000 hours @ Rated Torque

Available Customizations

Sensorless
Inbuilt driver
Customized motor speed
Dust cover (Upto IP 65 **)
26AWG leads with ends tinned & stripped
FFC Output
Customized shaft
Hollow shaft for robotics and gimbal applications

Technical Data

MECHTEX MODEL No.	Physical data Dia x height mm	No load data			Data at Rated Torque				Stall	
		Voltage V DC	Speed RPM	Current mA	Speed RPM	Current mA	Torque cNm	Power W(out)	Torque cNm	Current A
BO3210	32 X 10	12	7920	77	3190	700	0.7	2.2	1.8	1.4
	32 X 10	24	9280	67	4450	380	0.4	1.9	2	1

*Other speeds & voltages on special request

** On special request

Dimensional Drawing

Pin 1	GND	GND
Pin 2	MOTOR WINDING 3	W
Pin 3	MOTOR WINDING 2	V
Pin 4	MOTOR WINDING 1	U
Pin 5	HALL SENSOR 3	HW
Pin 6	HALL SENSOR 2	HV
Pin 7	HALL SENSOR 1	HU
Pin 8	Vhall 4.2...24VDC	VCC