

# BO92(220W)



## Design

BO9227 Series Motors are Brushless DC Outrunner motors with 90mm diameter and 27mm height. These Motors are available with sensor and without sensor. Robust Ball bearings ensure excellent service life with  $\geq 5000$ 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		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	624
Electrical Enclosure	IP	30 (As per IEC 60529)
Life expectancy		$\geq 5000$ hours @ Rated Torque

## Available Customizations

Sensorless
Inbuilt driver
Customized motor speed
Dust cover (Upto IP 65 **)
18/26 AWG x 200mm 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 A	Torque cNm	Power W(out)	Torque cNm	Current A
BO9227	90 X 27	24	3200	650	2520	10	72	181.44	790	110
	90 X 27	36	3100	430	2420	6	82	198.44	755	69

\*Other speeds & voltages on special request

\*\* On special request

## Dimensional Drawing

