

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 ≥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	624
Electrical Enclosure	IP	30 (As per IEC 60529)
Life expectancy		≥5000 hours @ Rated Torque

Available Customizations

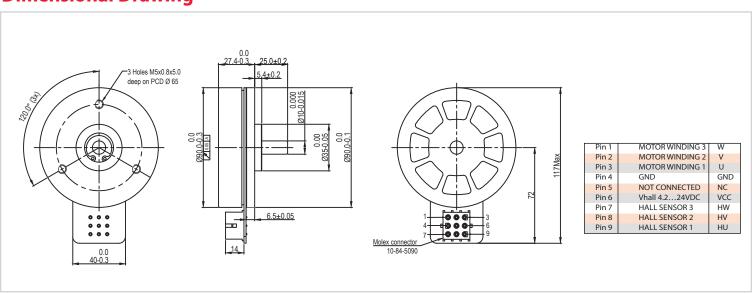
Sensorless				
Inbuilt driver				
Customized motor speed				
Dust cover (Upto IP 65 **)				
18/26 AWG x 200mm ends tinned & stripped				
FFC Output				
Customized shaft				
Hollow shaft for robotics and gimbal applications				

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	mA	RPM	А	cNm	W(out)	cNm	А
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

Dimensional Drawing



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^{**} On special request