



## B032

### Out-runner 32mm BLDC Motor

#### Design

TO Series Motors are Brushless DC Outrunner motors with 32mm diameter. 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 speed and different voltage on special request. These Motors are used in combination with many Mechtex gearheads.

#### Features

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#### Application

Industrial Machines, Vending Machines, HVAC , Computer Peripherals, Automation, Military Equipments.

#### Options

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#### Standard Data

Parameter	Value	Unit
Motor type	Brushless dc motor/3phase/4pole	
Ambient temperature operation	0 to +55	°C
Storage & Transport	-25 to+75	°C
Temperature Combination with Mechtex Gear Series	GB5P/5H,GB 380CP,GB B/C/L.	
Standard motor voltages	24,12 volts	V
Weight	60	g
Mounting	By snap clip or by screws	
Sensor Supply Range	4.2 ~ 24	Vdc
Sensor Output	Open collector	mH
Terminal Inductance ±15%	26	
Terminal Resistance	49	Ω
Rotor Inertia Insulation Class	4.9 E	gcm <sup>2</sup>
Electrical Enclosure	40	IP
Winding Type	Delta Connection	
Life expectancy	≥ 5000 hours @ Rated Torque	
Direction	Reversible	

#### Technical Data

Parameter	Value	Unit
Physical data for (Dim. mm)	32X23.5	Dia x height
No load data for Voltage	24	VDC
No load data for Speed	5300	RPM
No load data for No-Load	0.045	Current A
Data at Rated Torque for Speed	3750	RPM
Data at Rated Torque for Current	0.150	Amps
Data at Rated Torque for Torque	0.600	Ncm
Data at Rated Torque for Effie	60	%
Data at Rated Torque for Power	2.160	W(Out)
Data at Rated Torque for Power	3.600	W(In)
Stall for Torque	2.4	Ncm
Stall for Current	0.450	A

# Dimensional Drawing

