

Item Number

05B-22-0308-B10-32A-0

Mounting Style IEC 80 B14

Enclosure TENV w/Encoder

Rated Power HP .75

Rated Power Watts 560

Rated Speed RPM 1800

Rated Frequency (Hz) 90

Number of Poles 6

Full Load Amps: 3.0

Torque (in lb) 26.5

Power Factor 0.67

Efficiency (%) 90.8

Rotor Inertia (lb-in²) 5.08

Back EMF (V/k RPM) 67.2

Resistance L-L Ω 4.40

Inductance (Lsd/Lsq) 5.6/18.8

Peak Amps 7.35

Peak Torque (in lb) 72.03

Length (in) 7.53

Weight (lbs) 9.9

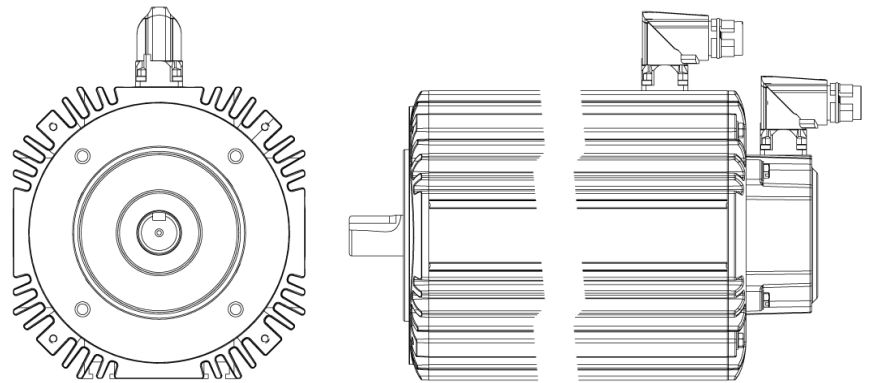
Motor Shaft Diameter (in) 0.75

Shaft Extension Length (in) 1.50

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- Dimensional Drawings
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- User Manual

Go To www.BisonVFsync.com



Bison Variable Frequency Drives

This motor requires a variable frequency drive that is designed to run permanent magnet synchronous 230/460 volt, three phase AC motors. The following drives are compatible with this motor.



IP20 drive for in cabinet mounting

Part Number	Input Power	HP	Amps
DW10432	115 V	1	4.3
DW20432	1~ 230 V	1	4.3
DW30432	3~ 230 V	1	4.3





IP66 drive for exterior mounting

Part Number	Input Power	HP	Amps
DW10436	115 V	1	4.3
DW20436	1~ 230 V	1	4.3
DW30436	3~ 230 V	1	4.3

Power and Encoder Cables

This motor comes standard with M17 power and encoder swivel connectors. The following quick connect cables are available to link the motor, drive and controller.

Power Cable	Part Number	Length
	191-05B-0001	1 Meter
	191-05B-0002	3 Meters
	191-05B-0003	6 Meters

Encoder Cable	Part Number	Length
	191-05B-1001	1 Meter
	191-05B-1002	3 Meters
	191-05B-1003	6 Meters