



ADLEEPPOWER®
SINCE 1974. ISO 9001

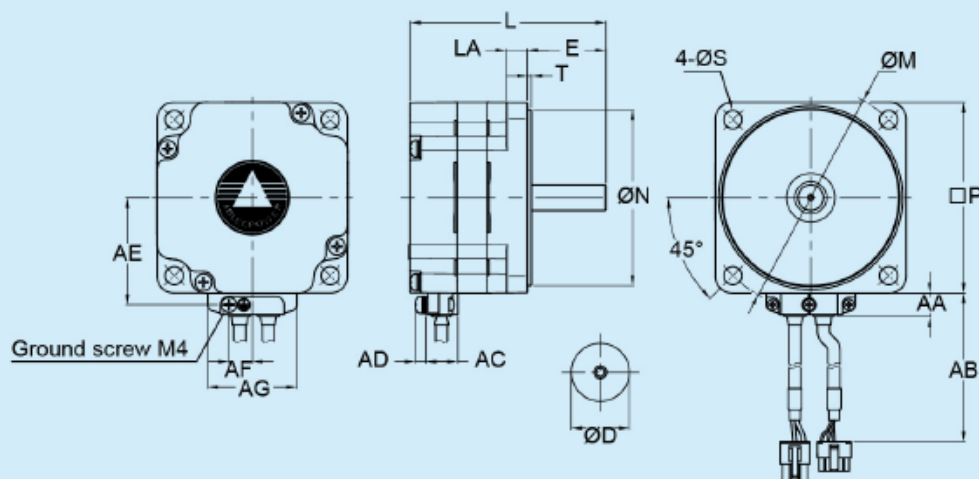
Brushless Motor & BLS Drives



www.adlee.com

Motor Dimension

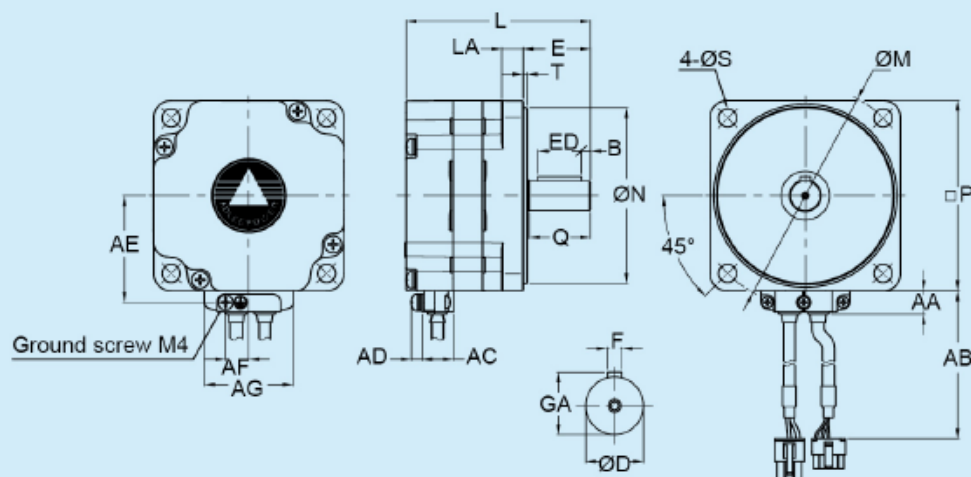
BS-120LO~BS-200MO (Round Shaft)



UNIT : mm

FIG	□P	ØM	ØS	ØN	T	L	LA	AA	AB	AC	AD	AE	AF	AG	OUTPUT SHAFT END	
															E	ØD
1	90	104	8.5	83	2	92.3	10	11	1000	15	5	50.5	11	42	37	12
2						97.2										14
3						87.4										12
4						92.3										14

BS-120LK~BS-200MK (Shaft with keyway)



UNIT : mm

FIG	□P	ØM	ØS	ØN	T	L	LA	AA	AB	AC	AD	AE	AF	AG	OUTPUT SHAFT END						
															B	ED	Q	E	ØD	GA	F
5	90	104	8.5	83	2	87.3	10	11	1000	15	5	50.5	11	42	4.5	20	29	32	12	13.5	4
6						92.2													14	16	5
7						82.4													12	13.5	4
8						87.3													14	16	5



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Brushless Motor & BLS Drives

Intelligent Drive Controller

- Available for all control interface, ex. RS485, Standard panel, Terminal control, PLC, HMI.
- Convenience 220VAC or 110VAC drive power input. No more 24VDC power supply.
- Real motor speed display and signal output (30 pulse/rev).
- Digital knob can be precisely set speed.
- Over current/heat/voltage, Motor lock protection.
- Acceleration and deceleration times can use analog or digital control, easy to use.
- Compact size and easy to install.

Innovated Brushless Motor

- Low noise and maintenance free.
- Specialized designation to have smoother shaft rotation and improved reliability.
- Light weight and compact size. Higher power density and efficiency than conventional motors.

Drive Model Description

BLS2-120L

L : 2000RPM M : 3000RPM
120W , 200W
1 : 110VAC 2 : 220VAC
Brushless Driver

Motor Model Description

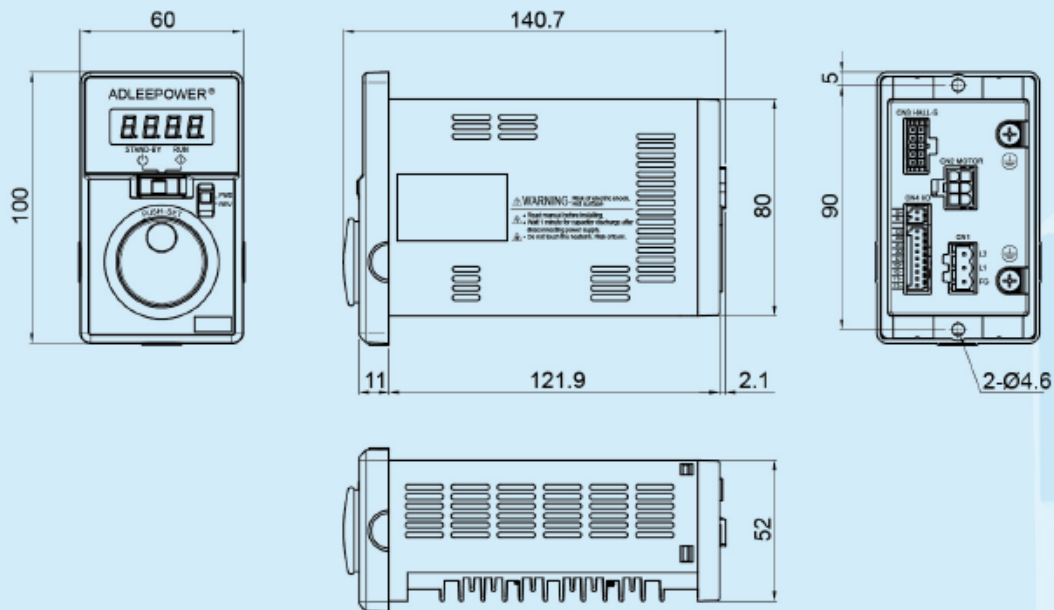
BS2-120LO

O : Round Shaft K : Shaft with Keyway
L : 2000RPM M : 3000RPM
120W , 200W
220VAC
Brushless Motor

Specification

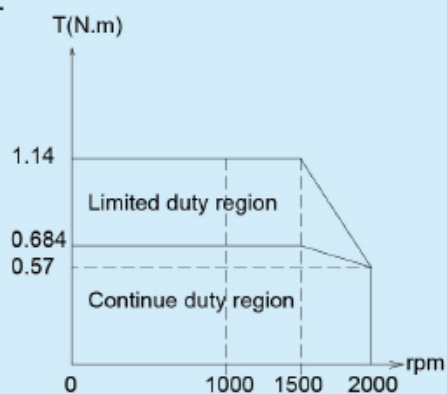
Rated Output		W	120		200		120		200	
Motor Model No.			BS2-120LO/MO	BS2-120LK/MK	BS2-200LO/MO	BS2-200LK/MK	BS2-120LO/MO	BS2-120LK/MK	BS2-200LO/MO	BS2-200LK/MK
Drive Model No.			BLS1-120L/M		BLS1-200L/M		BLS2-120L/M		BLS2-200L/M	
Input Voltage		AC	110V±10% 1Ø				220V±10% 1Ø			
Input Frequency		Hz	50 / 60							
Motor Rated Torque		N.m	0.57 / 0.39		0.96 / 0.65		0.57 / 0.39		0.96 / 0.65	
Motor Max. Torque		N.m	1.14 / 0.78		1.92 / 1.30		1.14 / 0.78		1.92 / 1.30	
Motor Rated Current		A	0.86 / 0.85		1.60 / 1.56		0.86 / 0.85		1.60 / 1.56	
Motor Max. Current		A	1.80 / 1.70		3.20 / 3.12		1.80 / 1.70		3.20 / 3.12	
Motor Rated Speed		RPM	L:2000 / M:3000							
Hall Effect Sensor			HU 、 HV 、 HW Open Collector							
ACC. DEC. Time		W	0.1~15.0 Sec.							
Speed Regulation	Load	± 0.5% Below (0~Rated Torque at Rated Speed)								
	Voltage	± 0.5% Below (Source Voltage ± 10% at Rated Speed no Load)								
	Temperature	± 0.5% Below (-10~45°C /32~113°F at Rated Speed no Load)								
Type of Control			Sin PWM							
Mode of Control			Speed mode							
Digital Input Signal			1. Panel VR 、 Run/Stand-BY switch 、 Direction switch 2. X0~X2 and C0 common							
Operating			1. Panel: RUN8STAND-BY operating switch 2. Terminal: Photocoupler interface: input resistance 680Ω/X0~X2 3. Communication: RS485							
Output Signal			Y0/Y1 Open Collector, External Power Supply (DC4.5V~30V, 100mA below)							
Protection			Overload, Over Current, Over Voltage, Over Heat, Over Speed, Low Voltage, Initial operation inhibition, Hall Sensor Abnormal, Short Circuit							
Motor Insulation.			B Class							
Motor enclosure type			IP40							
SB Drive Figure			BLS Drive							
BS Motor Figure No.			LO:1 / MO:3	LK:5 / MK:7	LO:2 / MO:4	LK:6/ MK:8	LO:1 / MO:3	LK:5 / MK:7	LO:2 / MO:4	LK:6/ MK:8

Drive Dimension (BLS Drive)

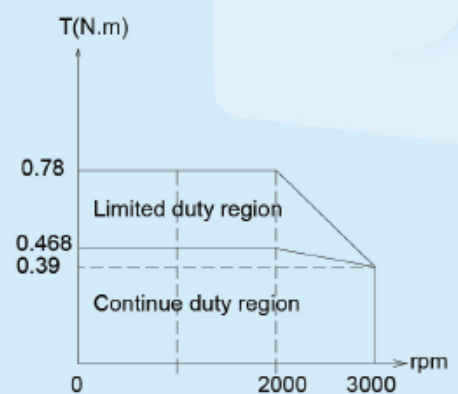


T/N Curve (Performance curve)

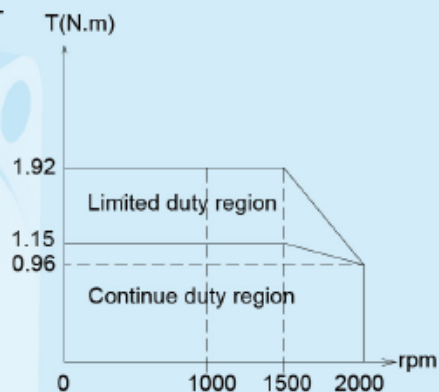
• BS2-120L



• BS2-120M



• BS2-200L



• BS2-200M

