

## BKL4 Geared Motor

2023/03/22

### Overview



3 Phase outer rotor type DC Brushless Motor

Gear Unit : ST-35 Type

BLDC motor : BKL4 Type

Interface Power Supply

GND

FG

BRK

PWM

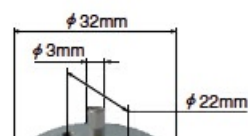
CW / CCW switch

Connection : Connector (JST : BM06B-NSHSS-TBT)

### Gear Appearance



### Motor Appearance



# BKL4 Geared Motor

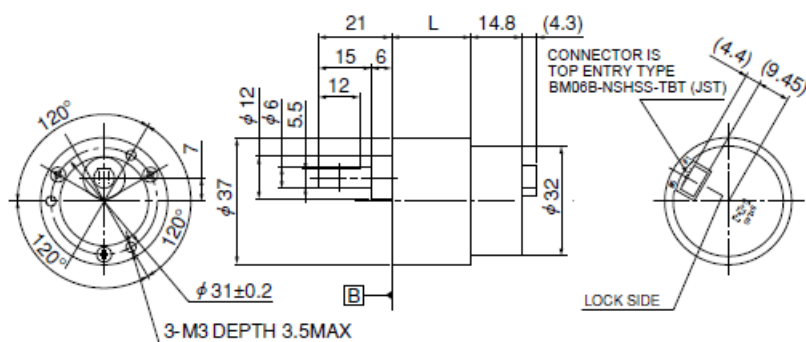
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Gear Unit : ST-35 Type

BLDC motor : BKL4 Type

## Overall View



## Specification

Gear Ratio	Gear Type	Gear Material	Gear Step	Gear Box Length L1 [mm]	Total Length L1+motor [mm]	Rated Voltage [V]
1/10	Spur	Metal	1	20.5	35.3	12
1/25	Spur	Metal	2	23	37.8	12
1/60	Spur	Metal	3	25	39.8	12
1/100	Spur	Metal	4	25	39.8	12
1/120	Spur	Metal	4	25	39.8	12

No Load Speed [r/min]	No Load Current [mA]	Rated Load Torque [mN · m]	Rated Load Speed [r/min]	Rated Load Current [mA]	Max Rated Load torque [mN · m]	Max Instant Torque [mN · m]
415	100	36	384	250	98	98
166	100	81	154	250	196	196
69	100	175	64	250	294	441
42	100	262	38	250	294	735

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72	100	202	30	250	257	755
35	100	315	32	250	588	882

These are specifications of the gear unit ST-35 Type. For the specification of motor, please visit BKL4.

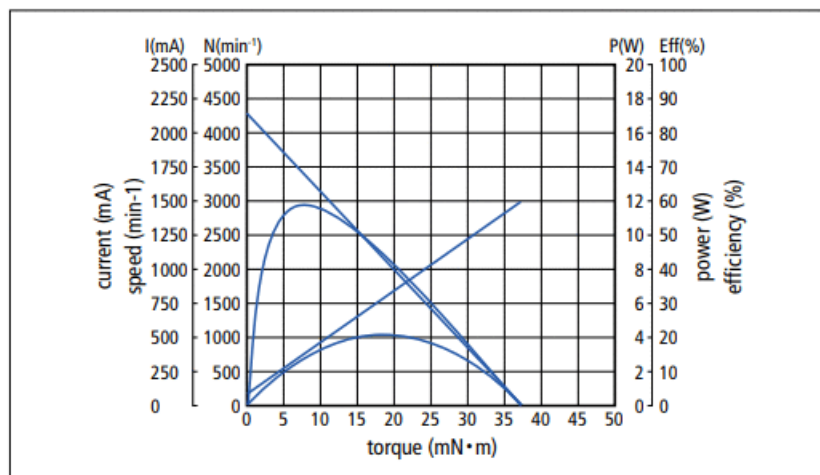
Please contact our sales for detail specification & order lot QTY. (All custom product by customer's requirement)

Gear ratio is a typical example. Other gear ratios are also available.

The notation of Max Rated Load Torque and Max Instant Torque is the value of the standard type. The torque exceeding the notation can be coped by changing gear material or gear thickness.

## Property diagram

※ Adjustable by winding / 巻線で調整可能



## BLDC motor P/N

BKL4