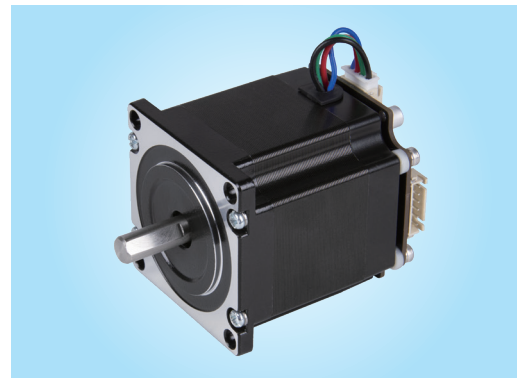


EMP57 Stepper motor with control

Description

EMP57NB series integrated 32-bit DSP control and the Angle control technology, the motor performance and efficiency can be improved. the temperature rise and vibration are lower. They can be used in wire stripper, marking machine, cutting machine, plotter, medical equipment and automation equipment and instruments.

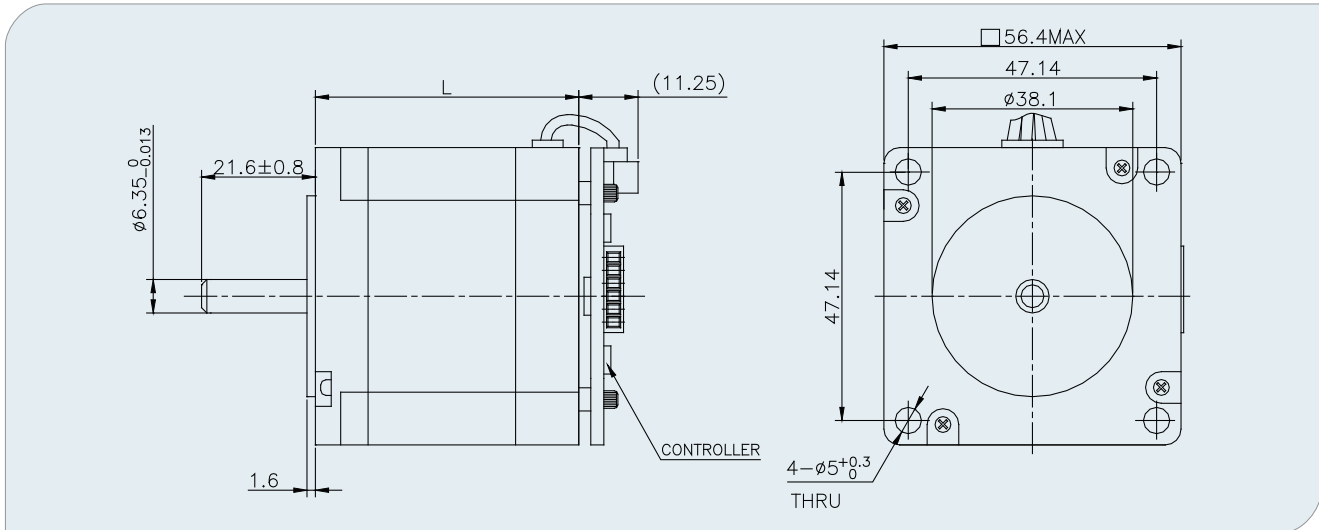


General Information

- Voltage range DC12-30V
- 32-bit DSP technology
- 200KHz maximum pulse response frequency
- Meet 3000RPM speed max.
- PU/DR control
- Over/under voltage, over current and other protection functions
- Compact design
- Easy mounting

Controller Parameter

Specification	EMP57-P			
	Unit	Min	Normal	Max
Continuous output current	A	0.8	/	5
Input voltage	V	12	24	30
Logic input current	mA	10	10	50
Logic input voltage	V	/	5	5
Pulse frequency	KHz	0	/	200
Insulation resistance	MΩ	100	/	/



Part No	Phase Current (A)	Phase Resistance (Ohms)	Phase Inductance (mH)	Holding Torque (Ncm)	Rotor Inertia (g.cm²)	Length (mm)
EMP57NB001	2	1.2	3.2	55	135	41
EMP57NB201	2	1.8	5.2	80	220	50
EMP57NB401	2.1	2	6.5	161	340	78
EMP57NB402	2.5	1.5	4.4	150	460	78
EMP57NB501	2	3.8	10	248	620	115
EMP57NB502	2	7	32	300	620	115

Operation ambient	Condition	No dust, no oil, no corrosive gas, Without strong vibration
	Temperature	0 - 50℃
	Humidity	40-90%RH
	Vibration	10-55Hz / 0.15mm
Storage temperature	-20℃ - +80℃	