NOSTOP®
PROFESSIONAL MOTOR DESIGNER & MANUFACTURER

Permanent Magnet Synchronous Geared Motor

NSD-5024L Series 4W Max.

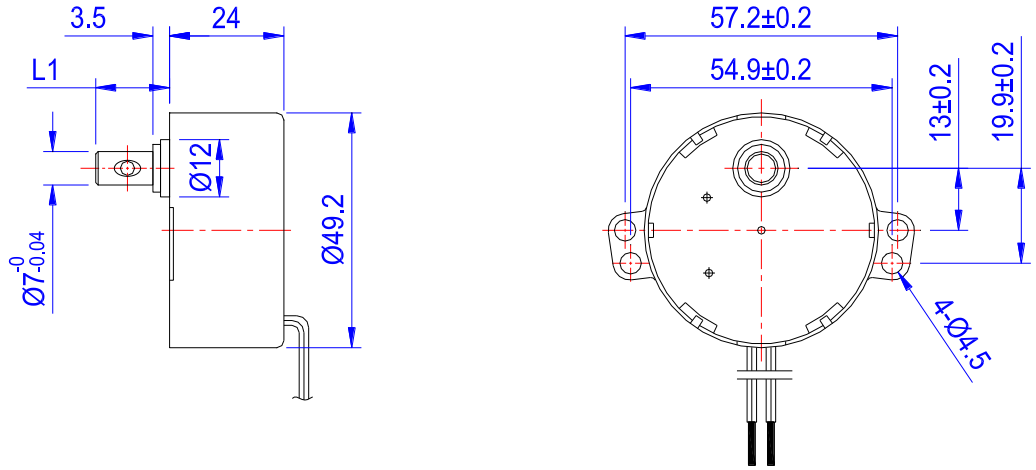
Features:

1. Shaft diameter is: Ø7.0mm. Shaft length and shape can be any as needed.
2. Free running (sometimes in CW direction, sometimes in CCW direction. It is decided by the motor itself). But if the customer needs the motor to run just in 1 direction (such as CW or CCW), we need to add a directional plate. In this case, the motor rotation will be irreversible.
3. Low lifetime, low noise, Stable performance.
4. CE, UL, TUV approved.

Main Applications:

Mainly used for Air-conditioner (turning leaf), or Micro-wave Turning Plate. It can also be used for electric fan, quartz heater, turning TV antenna, stage turning lamp, turning electric table, turning electric model, turning electric advertisement, turning goods shelves, dish washer, etc which needs low speed turning for long life and low noise.

Outline Dimensions :



Performances of the Motor after Gear Reduction (@ 50Hz) :

General Specifications:

1. Rated Voltage : 220 - 240 (can be any value during the range of 12 – 240 VAC).
2. Rated Frequency : 50Hz, 60Hz or 50/60Hz both.
3. Rated Input Power : 4.0 Watts (Max.)
4. Rated Input Current : 20mA (Max.)
5. Noise Level : 45dB(A) Max.
6. Temperature Rise (△T) : 65K Max.
7. Direction of Rotation : CW or CCW (controlled by different connection method of the capacitor).
8. Speed v.s. Torque : see as following chart.

Speed	@ 50Hz	rpm	0.8	2.0	2.5	3.0	4.0	5.0	7.0	10
	@ 60Hz	rpm	1.0	2.4	3.0	3.6	5.0	6.0	8.4	12
Torque	@ 50Hz	Kg.cm	30	18	14.4	12	8.4	7.2	6.0	4.2
		N.cm	294	177	141	118	82	71	59	41
	@ 60Hz	Kg.cm	25	15	12	10	7	6	5	3.5
		N.cm	245	147	118	98	69	59	49	34

Remarks:

The above torque values refer to the minimum torque values. Torque is the most important feature of a synchronous geared motor.