

# Stepping Motors

## M42SP-7

### OUTLINE

Standard type motor "M42SP-7" which belongs to the outer diameter 42mm model series. Despite 7.5° of step angle, and excitation method that are all in common with "M42SP-5", its body has been reduced to 15.7mm in thickness. This type is the most suited to any compact electronic apparatuses.



### FEATURES

1. High output torque.
2. Superior running quietness and stability.
3. Step angle : 7.5°.
4. Excellent responsiveness acquired.

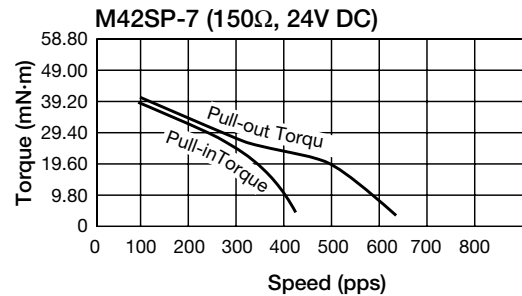
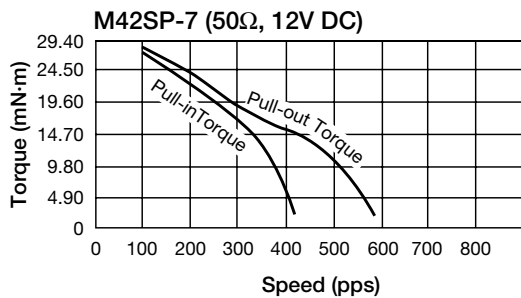
### USES

Printers, typewriters, word processors, facsimiles, and such.

## SPECIFICATIONS

Items	M42SP-7	
	DC 12V	DC 24V
Rated Voltage	DC 12V	DC 24V
Working Voltage	DC 10.8~13.2V	DC 21.6~26.4V
Rated Current/Phase	259mA	173mA
No. of Phase	4 Phase	4 Phase
Coil DC Resistance	50Ω/phase±7%	150Ω/phase±7%
Step Angle	7.5°/step	7.5°/step
Excitation Method	2-2 Phase excitation (Unipolar driving)	
Insulation Class	Class E insulation	Class E insulation
Holding Torque	49.0mN·m	52.9mN·m
Pull-out Torque	23.5mN·m/200pps	33.3mN·m/200pps
Pull-in Torque	19.6mN·m/200pps	29.4mN·m/200pps
Max. Pull-out Pulse Rate	600pps	650pps
Max. Pull-in Pulse Rate	420pps	430pps

## CHARACTERISTICS



## DIMENSIONS

