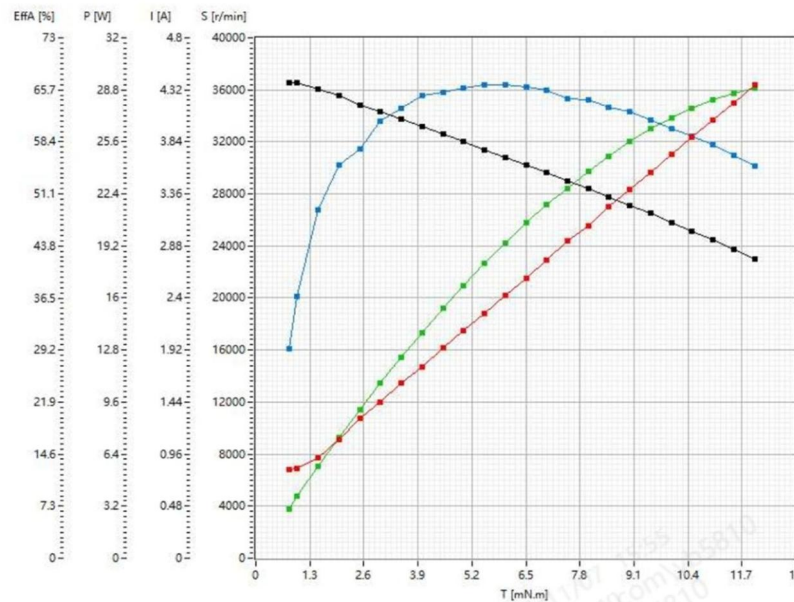
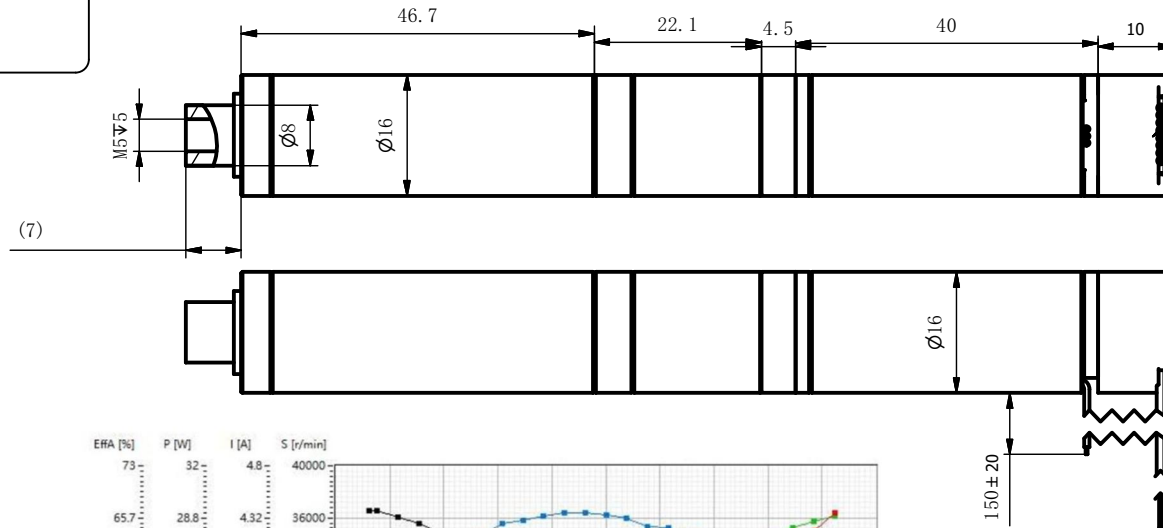


DINGS' MOTION
Work order
DATE REV00

Encoder:
1024lines, 3channels

Encoder		
PIN#	Description	Color
1	A+	Yellow
2	A-	Gray
3	B+	Green
4	B-	Orange
5	I+	Blue
6	I-	White
7	5V	Red
8	GND	Black

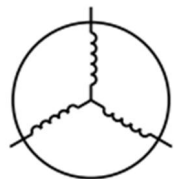


Pole pairs	1
Reduction ratio	28
Gearbox efficiency	80%
Rated voltage	12V
Rated current	2.6A
Rated speed	26500RPM
Rated torque	7.4mN·m
Rated power	20.5W
Lead screw diameter	Φ4.77 mm
Lead screw lead	1.27 mm
Dielectrical strength	500VAC 1ms,1s
Insulation resistance	100MΩ(500VDC)
Duty type	S1
Protection level	IP40
Insulation class	B130C
Cooling method	IC410
Rated thrust	200N
Stroke	30mm

WIRING CHART

NOTICE TO PERSONS RECEIVING THIS DRAWING

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wire gauge	Motor wire	Color	wire gauge	Hall wire	Color
26AWG	U	Brown	26AWG	+5V	Red
	V	Yellow		Hall U	Gray
	W	Green		Hall V	White
				Hall W	Blue
				GND	Black

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS AND TOLERANCES ARE AS BELOW PER ISO2768-cK.			
LINEAR		ANGULAR	
0~3	±0.2	0~10	±1.5°
3~6	±0.5	10~50	±1°
6~30	±0.8	50~120	±30'
30~120	±1.5	120~400	±15'

1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.

16ZWWC40L-G28CD-X-30SNSN-EK-110

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