

HBY50 electro-hydraulic actuator



Features:

1. Miniature DC permanent magnet motor, small size, easy to install
2. driven by hydraulic transmission power ,work smoothly, impact resistance
3. Reciprocating movement; Force 8000N; Static load 15000N.
4. Normal tempreture range:-40℃ to +65℃
duty cycle:20% with full load
5. Fully enclosed hydraulic system,work reliable, maintenance-free.
6. Compact structure, no external pipeline, free environmental pollution.
7. IP rate: IP65 (dynamic)
8. fully certificated:
9. Widelv used in various tvdes of industrial automation

SPECIFICATION

	<u>HBY50</u>	<u>—</u>	<u>X</u>	<u>—</u>	<u>X</u>	<u>—</u>	<u>X</u>	<u>—</u>	<u>X</u>	<u>—</u>	<u>X</u>	<u>—</u>	<u>X</u>	<u>—</u>	<u>X</u>
Item:															
selection number: HB Y50、HB Y51...															
Voltage (V,DC)															
12 , 24 , 36 , 48															
stroke(mm)															
table 1.0															
minimum retracte															
table 1.0															
front attachment															
0—Ø14 (standard) 1— customized															
rear attachment															
0—Ø14 (standard) 1— customized															
type of motor wir															
0—tin plating bare wire (standard) 1—customized (with plug)															
cable length (M)															
0—0.5M (standard) 1—1.0M 2—1.5M 3—customized															
colour															
0—black (standard) 1—Other specified colors															

Note: The "0" in the above code stand for abridged,if it present 0 in the next few terms, that means empty accordingly.

table 1.0 stroke and mini retracted length

unit: mm

standard	S	150	200	250	300	350
mini retracted length	150+S	300	350	400	450	500

table 2.0 Load and speed, current

motor speed	operating load	speed mm/s ±10%		current A (normal temperature)							
				12 V		24 V		36 V		48 V	
rpm	N	no load	full load	no load	full load	no load	full load	no load	full load	no load	full load
4200	8000	15	8	6	30	6	17				
	6000	15	10	6	22	6	14				
	5000	15	12	6	18	6	12				
	4000	15	13	6	15	6	10				
	3000	15	14	6	13	6	9				

Figure Performance curve

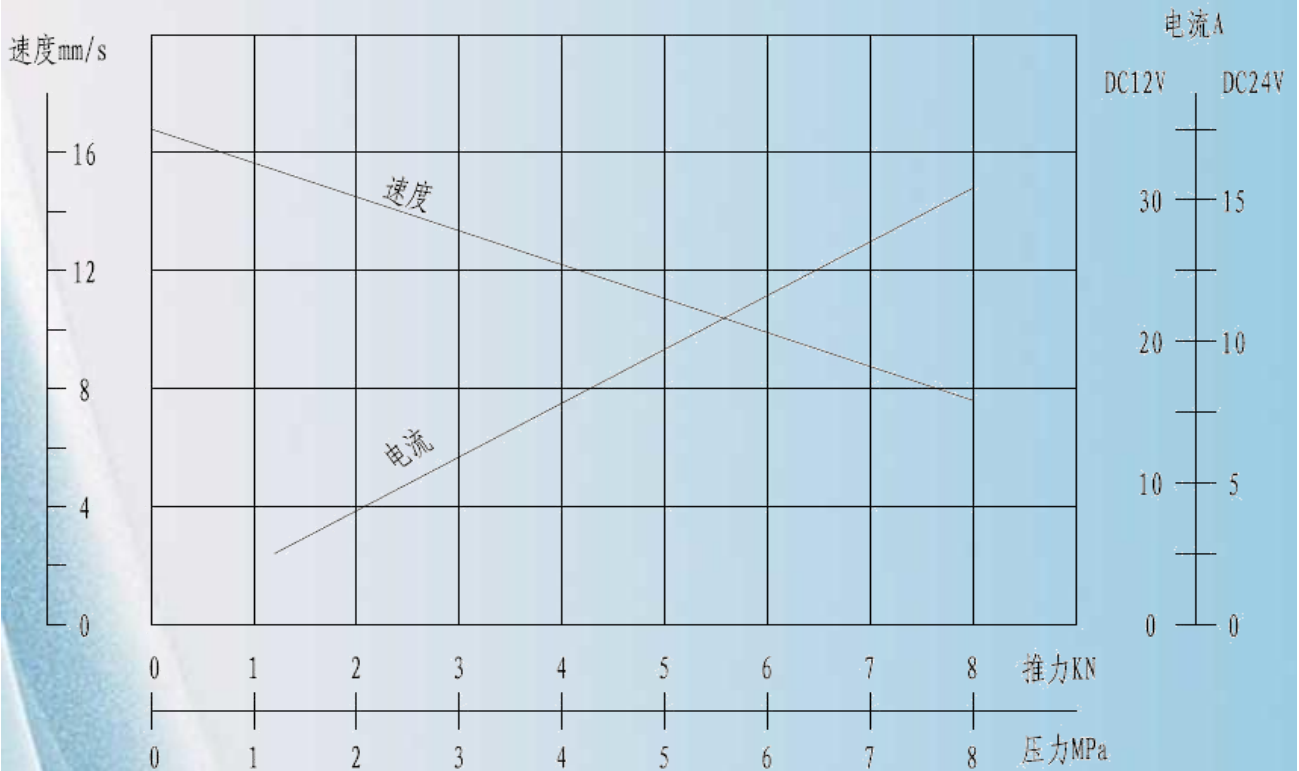


Figure : Shape and installation dimensions

unit: mm

1>: front attachment $\phi 14$ Rod end bearing; mini retracted length $L=S+150$, S--stroke

