

## Datasheet for Linear Stepper Motor - Actuator E87H4B-05-xxx

Version	ST	-
Screw Diameter	15,88	mm
Step Angle	1,8	Deg.
Steps per Revolution	200	-
Screw lead	0,000625	inch/step
Screw lead	0,0158	mm/step
Screw lead	3,160	mm / Rot.
code	B	-
Linear Motor Force 1	2500	N
Linear Speed 1 (Low Speed)	2	mm/s
Linear Motor Force 2	2200	N
Linear Speed 2	5	mm/s
Linear Motor Force 3	200	N
Linear Speed 3 (Max speed)	10	mm/s
Recommend. Load Limit	2200	N
Back Drive Force	430	N

Wiring	Bipolar	
Winding Voltage	4	VDC
Current	1,8	mA
Resistance/Phase	5	Ohm
Inductance/Phase	3120	mH
Power Consumption	1,6	W
Inertia	8,8	g.cm <sup>2</sup>
Temperature Rise	31,2	Celsia
Weight	1760	g
Insulation Resistance	75	MOhm

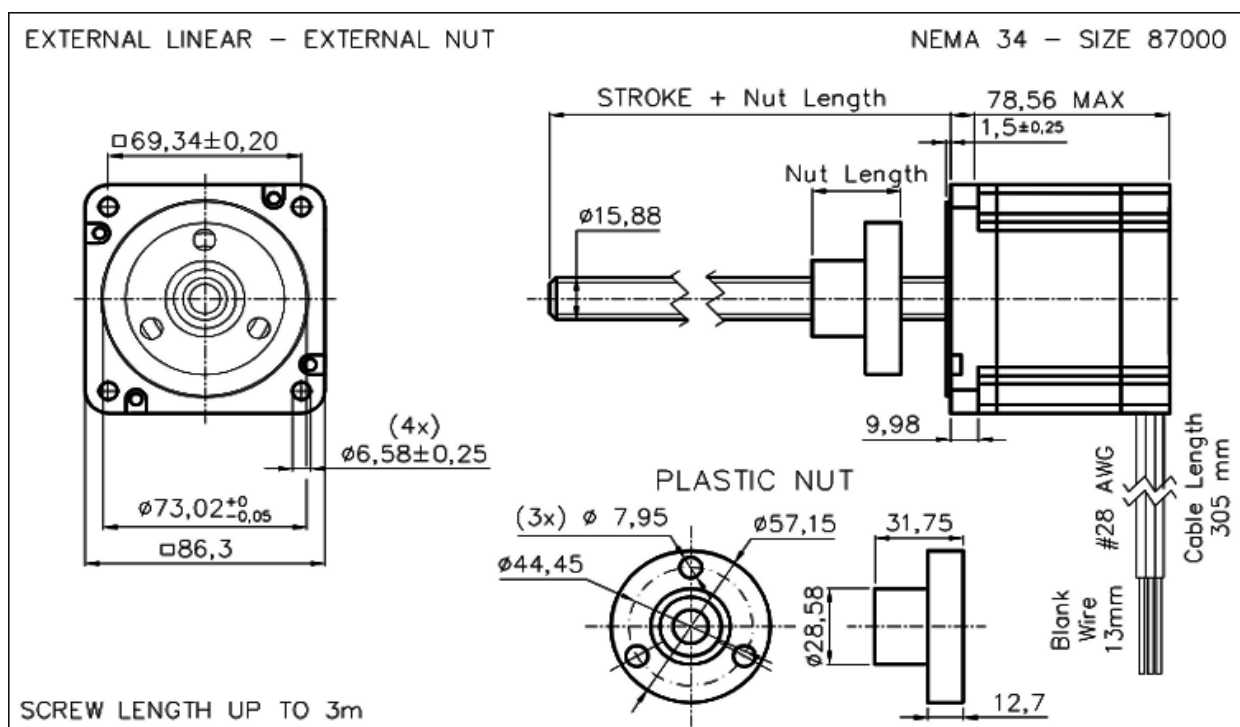
Max Linear Force Linear Stepper Motor can get is 2500 N. Linear Motor give here very low Speed only :2mm/s.

Middle Range Force is 2200N at Linear Speed 5mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 10mm/s with Force only 200N.

Stepper Driver should give current 1,8mA. For High Speed Application would be best 8x Winding Voltage eg: 32VDC.

### Linear Stepper Motor – Actuator – Dimensional Drawing



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Please find more Linear Stepper Motors Catalogs and Datasheets on web : [click here](#).