

Datasheet for Linear Stepper Motor - Actuator 57H4Y-325-820

Version	ST	-
Screw Diameter	15,88	mm
Step Angle	1,8	Deg.
Steps per Revolution	200	-
Screw lead	0,0025	inch/step
Screw lead	0,0635	mm/step
Screw lead	12,700	mm / Rot.
code	Y	-
Linear Motor Force 1	700	N
Linear Speed 1 (Low Speed)	7	mm/s
Linear Motor Force 2	700	N
Linear Speed 2	30	mm/s
Linear Motor Force 3	100	N
Linear Speed 3 (Max speed)	58	mm/s
Recommend. Load Limit	2200	N
Back Drive Force	62	N

Wiring	Bipolar	
Winding Voltage	5	VDC
Current	3120	mA
Resistance/Phase	1,6	Ohm
Inductance/Phase	8,8	mH
Power Consumption	31,2	W
Inertia	1760	g.cm ²
Temperature Rise	75	Celsia
Weight	958	g
Insulation Resistance	20	MOhm

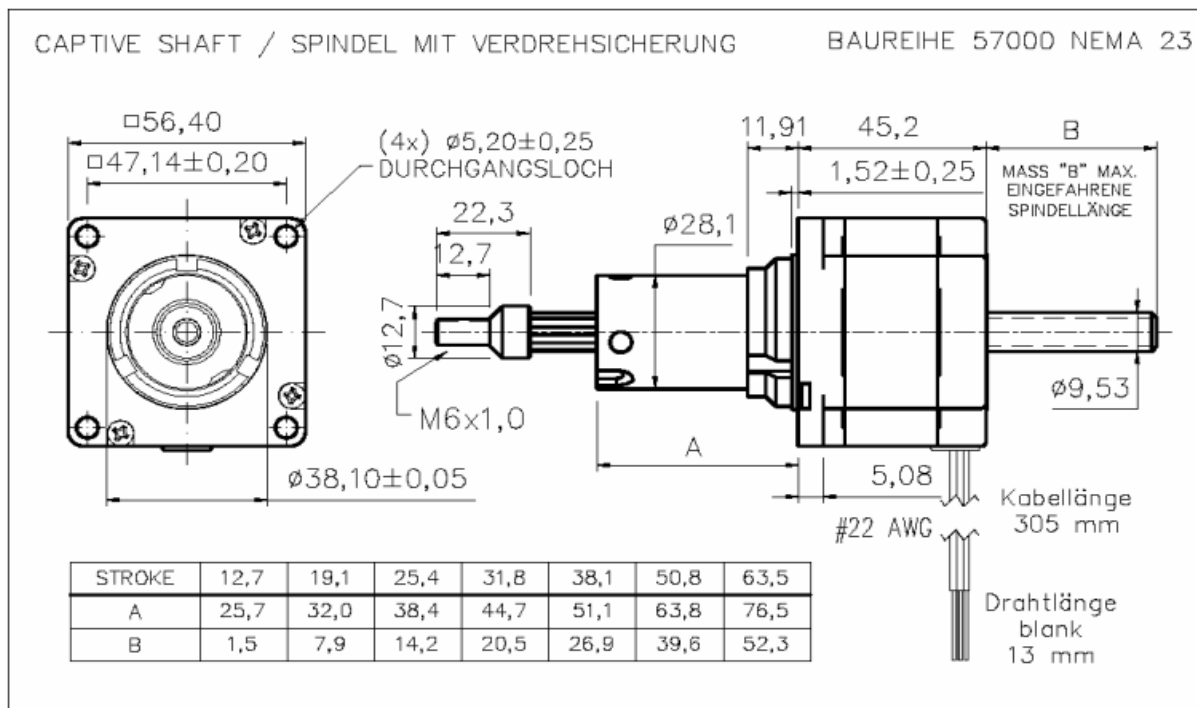
Max Linear Force Linear Stepper Motor can get is 700 N. Linear Motor give here very low Speed only :7mm/s.

Middle Range Force is 700N at Linear Speed 30mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 58mm/s with Force only 100N.

Stepper Driver should give current 3120mA. For High Speed Application would be best 8x Winding Voltage eg: 40VDC.

Linear Stepper Motor – Actuator – Dimensional Drawing



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