

Datasheet for Linear Stepper Motor - Actuator 57HR-B005-0127-C0508

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|----------------------------|---------|-----------|
| Version | DS | - |
| Screw Diameter | 6,35 | mm |
| Step Angle | 1,8 | Deg. |
| Steps per Revolution | 200 | - |
| Screw lead | 0,00125 | inch/step |
| Screw lead | 0,0317 | mm/step |
| Screw lead | 6,340 | mm / Rot. |
| code | C | - |
| Linear Motor Force 1 | 270 | N |
| Linear Speed 1 (Low Speed) | 1 | mm/s |
| Linear Motor Force 2 | 250 | N |
| Linear Speed 2 | 12 | mm/s |
| Linear Motor Force 3 | 40 | N |
| Linear Speed 3 (Max speed) | 50 | mm/s |
| Recommend. Load Limit | 340 | N |
| Back Drive Force | 13 | N |

| | | |
|-----------------------|---------|-------------------|
| Wiring | Bipolar | |
| Winding Voltage | 2,33 | VDC |
| Current | 2600 | mA |
| Resistance/Phase | 0,9 | Ohm |
| Inductance/Phase | 1,33 | mH |
| Power Consumption | 14 | W |
| Inertia | - | g.cm ² |
| Temperature Rise | 75 | Celsia |
| Weight | 352 | g |
| Insulation Resistance | 20 | MOhm |

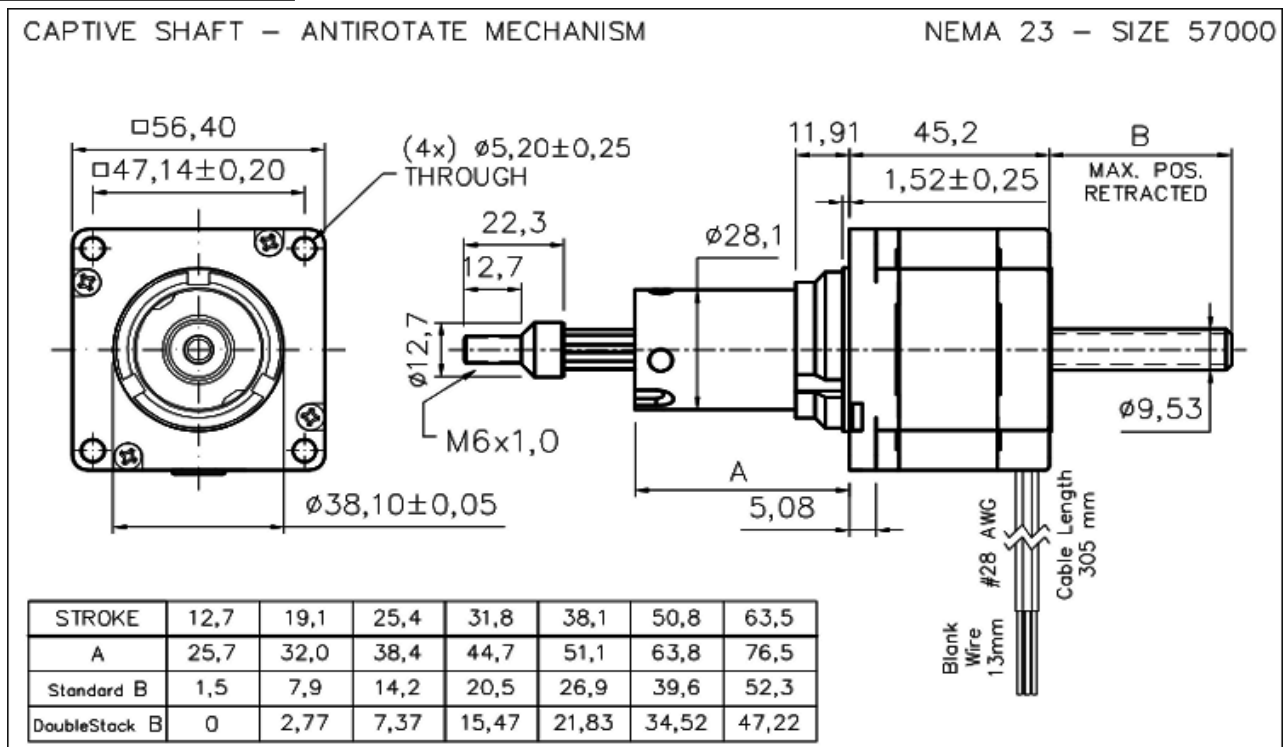
Max Linear Force Linear Stepper Motor can get is 270 N. Linear Motor give here very low Speed only :1mm/s.

Middle Range Force is 250N at Linear Speed 12mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 50mm/s with Force only 40N.

Stepper Driver should give current 2600mA. For High Speed Application would be best 8x Winding Voltage eg: 18,64VDC.

Linear Stepper Motor – Actuator – Dimensional Drawing



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

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