NOTE:
- Motors shown at mid-stroke
- Spacing

Centered (Shown) = 1.77 in
Fully Extended = 0.27 in
Fully Retracted = 1.77 in
| **VOICE COIL POSITIONING STAGE SPECIFICATIONS** |
|-----------------|------------------|
| **Motor P/N**   | NCC15-24-050-1R |
| **Stroke**      | 1.50" 38.1 mm   |
| **Encoder Resolution** | 1 micron    |
| **Bearing Type** | Linear Bearing |
| **Moving Mass** | 1.7 lbs 772     |
| **Total Mass**  | 9.60lbs 4360 grams |
| **Resistance @ 20C** | 1.9 ohms / 7.8 ohms |
| **Inductance @ 20C** | 1.4 mH / 5.8 mH |
| **Electrical Time Constant** | 0.74 msec |
| **Motor Constant** | 1.48 LBS/SQRT(Watt) 6.59 N/SQRT(Watt) |
| **Force Constant** | 2.04 LBS/Amp or 4.13 LBS/Amp 9.08 N/Amp or 18.38 N/Amp |
| **Back EMF**    | 0.23 V/ips or .46 V/ips 9.08 V/m/sec or 18.38 V/m/sec |
| **Continuous Force** | 8.4 LBS 37.4 N |
| **Max Power @ 100% Duty** | 32 Watts 112 N |
| **Peak Force**  | 25.2 LBS 112 N  |
| **Max Power @ 10% Duty** | 291 Watts |

**NOTE:**
- Electrical specs are per individual motor
- Moving mass is per individual moving assembly
- Total mass is for entire stage assembly