

17VL005

NEMA 17 Planetary Gearhead



Product Features

- *True Planetary Design*
- *Compact Design*
- *Sealed Ball Bearings*
- *Heat Treated Gears*
- *High Efficiency Design*
- *AGMA Gear Quality*




Description

The 17VL005 planetary gearhead offers true planetary performance in a value priced package. High strength, heated treated gears provide for efficient transmission of torque and accurate speed matching.

Specifications

Part Number:	17VL005
Frame Size:	NEMA 17
Ratio:	5:1
Torque, Nominal:	103 in-lb
Torque, Max Accel:	130 in-lb
Torque, E-Stop:	210 in-lb
Length:	2.41 inches
Weight:	0.8 lbs
Input Speed:	5000 rpm max
Backlash:	12
Low Backlash:	0
Operating Temperature:	-40 to 120 °C
IP Rating:	IP54
Service Life:	>10,000 hours
Efficiency:	90%
Inertia:	1.895E-04 oz-in-sec ²
Notes:	# All torque ratings are based upon 3,000 rpm nominal input speed and 10,000 hours minimum service life. # E-Stop torque rating is limited to 1,000 occurrences. # Gearhead length based on NEMA motor mounting. # Efficiency rated at 3,000 rpm input speed at Nominal Rated Torque. # Gearhead inertia values shown include pinion, clamp, and sleeve, and are for standard NEMA mounting.

Downloads

Product PDF - S3 Link:	http://s3.amazonaws.com/applied-motion-pdf/17VL005.pdf
2D Drawing:	 17VL-XXX_A.pdf  017VL1STG_3D.pdf
3D Drawing:	 17VL-1STG.igs