

23VL070

NEMA 23 Planetary Gearhead



Product Features

- *True planetary design*
- *Compact design*
- *Sealed ball bearings*
- *Heat treated gears*
- *High efficiency design*
- *AGMA gear quality*

Description

The 23VL070 planetary gearhead offers true planetary performance at an excellent price. High strength, heated treated gears provide for efficient transmission of torque and accurate speed matching.

Additional mounting hardware is required to mount this gearhead to all NEMA 24 size motors and integrated motors. Please note that the charge for the adaptor is \$100 and lead time will be 2-4 weeks. Model numbers affected include all of those that begin with: HT24, HW24, STM24 and SWM24. All StepSERVO models that begin with TSM23 and TXM24, as well as model SSM23IP-4EG, require additional hardware as noted above.

Specifications

Part Number:	23VL070
Frame Size:	NEMA 23
Ratio:	70:1
Torque, Nominal:	179 in-lb
Torque, Max Accel:	226 in-lb
Torque, E-Stop:	366 in-lb
Length:	3.14 inches
Weight:	2.2 lbs
Input Speed:	5000 rpm max
Backlash:	16
Low Backlash:	0
Operating Temperature:	-40 to 120 °C
IP Rating:	IP54
Service Life:	> 10,000 hours
Efficiency:	85%
Inertia:	1.060E-03 oz-in-sec ²

Downloads

Product PDF - S3 Link:	http://s3.amazonaws.com/applied-motion-pdf/23VL070.pdf
2D Drawing:	 23VL-XXX_A.pdf  023vl2stg_3D.pdf
3D Drawing:	 23VL-2STG.stp  23VL-2STG.zip

Products in the Series *VL Gearheads*

Part Number	Frame Size	Ratio	Length	Output Torque	Backlash	1pc.
17VL010	NEMA 17	10:1	2.41	81	12	\$604.00
23VL005	NEMA 23	5:1	2.46	195	12	\$604.00
23VL010	NEMA 23	10:1	2.46	140	12	\$604.00
23VL015	NEMA 23	15:1	3.14	210	16	\$784.00
23VL025	NEMA 23	25:1	3.14	216	16	\$784.00
23VL070	NEMA 23	70:1	3.14	179	16	\$784.00
34VL005	NEMA 34	5:1	3.33	702	12	\$857.00
34VL010	NEMA 34	10:1	3.33	530	12	\$857.00
34VL015	NEMA 34	15:1	4.26	756	16	\$1086.00
34VL025	NEMA 34	25:1	4.26	778	16	\$1086.00
34VL070	NEMA 34	70:1	4.26	706	16	\$1086.00