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Product Datasheet

www.Applied-Motion.com

# 17VL010

*NEMA 17 Planetary Gearhead*

*1pc. - 442.00*
*50pc. - 442.00*



## Product Features

- *Available in 48 hour lead time*
- *True planetary design*
- *Compact design*
- *Sealed ball bearings*
- *Heat treated gears*
- *High efficiency design*
- *AGMA gear quality*
- *Other ratios available in 2-4 week lead time: 4, 5, 7*

## Description

The 17VL010 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:** | 17VL010 |
| **Frame Size:** | NEMA 17 |
| **Ratio:** | 10:1 |
| **Torque, Nominal:** | 81 in-lb |
| **Torque, Max Accel:** | 102 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:** | 1.395E-10 oz-in-sec$^2$ |

## Downloads

| | |
|---|---|
| **Datasheet:** | http://s3.amazonaws.com/applied-motion-pdf/17VL010.pdf |
| **2D Drawing:** | 17VL010_RevA.pdf |
| **3D Drawing:** | 17VL-1STG.igs |

## Pricing

| | **17VL010**<br>Part No. 17VL010 |
|---|---|
| **1pc.** | $442.00 |
| **25pc.** | |
| **50pc.** | |
| **100pc.** | Request a Quote for 100+ piece pricing. |

## Products in the Series *VL Gearheads*

| umber | Frame Size | Ratio | Length | Output Torque | Backlash | 1pc./50pc. |
|---|---|---|---|---|---|---|
| 17VL010 | NEMA 17 | 10:1 | 2.41 | 81 | 12 | $442.00 / $442.00 |
| 23VL005 | NEMA 23 | 5:1 | 2.46 | 195 | 12 | $442.00 / $442.00 |
| 23VL010 | NEMA 23 | 10:1 | 2.46 | 140 | 12 | $442.00 / $442.00 |
| 23VL015 | NEMA 23 | 15:1 | 3.14 | 210 | 16 | $575.00 / $575.00 |
| 23VL025 | NEMA 23 | 25:1 | 3.14 | 216 | 16 | $575.00 / $575.00 |
| 23VL070 | NEMA 23 | 70:1 | 3.14 | 179 | 16 | $575.00 / $575.00 |
| 34VL005 | NEMA 34 | 5:1 | 3.33 | 702 | 12 | $639.00 / $639.00 |
| 34VL010 | NEMA 34 | 10:1 | 3.33 | 530 | 12 | $639.00 / $639.00 |
| 34VL015 | NEMA 34 | 15:1 | 4.26 | 756 | 16 | $796.00 / $796.00 |
| 34VL025 | NEMA 34 | 25:1 | 4.26 | 778 | 16 | $796.00 / $796.00 |
| 34VL070 | NEMA 34 | 70:1 | 4.26 | 706 | 16 | $796.00 / $796.00 |