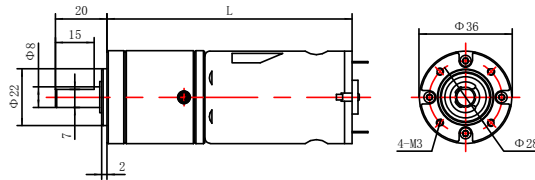


36PA/36ZYT57 PM DC PLANETARY GEAR MOTOR

Mechanical Dimensions



36PAXXXG/36ZYT57-2436

| | | | | | | | | | | | | | | | |
|----------------------------|-------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Rated Voltage | V | 24 | | | | | | | | | | | | | |
| Reduction ratio | 1:X | 3.7 | 5.2 | 13 | 19 | 27 | 51 | 71 | 100 | 139 | 189 | 264 | 369 | 515 | 720 |
| Stage | # | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| No-load speed | rpm | 973 | 962 | 263 | 188 | 134 | 71 | 51 | 36 | 26 | 19 | 14 | 9.8 | 7.0 | 5.0 |
| Rated speed | rpm | 811 | 577 | 219 | 156 | 112 | 59 | 42 | 30 | 22 | 16 | 11 | 8.1 | 5.8 | 4.2 |
| Rated Torque | kg.cm | 0.57 | 0.80 | 1.9 | 2.6 | 3.6 | 6.1 | 8.4 | 12 | 17 | 19 | 27 | 30 | 30 | 30 |
| Gear motor length (L) | mm | 87.2 | 87.2 | 94.8 | 94.8 | 94.8 | 103 | 103 | 103 | 103 | 110 | 110 | 110 | 110 | 110 |
| Moment Possible Max Torque | kg.cm | 1.7 | 2.4 | 5.7 | 7.8 | 10.8 | 18 | 25 | 36 | 51 | 57 | 81 | 90 | 90 | 90 |

36PAXXXG/36ZYT57-2445

| | | | | | | | | | | | | | | | |
|----------------------------|-------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Rated Voltage | V | 12 | | | | | | | | | | | | | |
| Reduction ratio | 1:X | 3.7 | 5.2 | 13 | 19 | 27 | 51 | 71 | 100 | 139 | 189 | 264 | 369 | 515 | 720 |
| Stage | # | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| No-load speed | rpm | 1216 | 865 | 328 | 234 | 168 | 88 | 63 | 45 | 32 | 24 | 17 | 12 | 8.7 | 6.3 |
| Rated speed | rpm | 892 | 635 | 241 | 172 | 123 | 65 | 46 | 33 | 24 | 17 | 13 | 8.9 | 6.4 | 5.6 |
| Rated Torque | kg.cm | 0.73 | 1.0 | 2.4 | 3.4 | 4.7 | 7.9 | 11 | 15 | 21 | 25 | 30 | 30 | 30 | 30 |
| Gear motor length (L) | mm | 87.2 | 87.2 | 94.8 | 94.8 | 94.8 | 103 | 103 | 103 | 103 | 110 | 110 | 110 | 110 | 110 |
| Moment Possible Max Torque | kg.cm | 2.2 | 3.0 | 7.2 | 10.2 | 14.1 | 23.7 | 33 | 45 | 63 | 75 | 90 | 90 | 90 | 90 |

36PAXXXG/36ZYT57-2460

| | | | | | | | | | | | | | | | |
|----------------------------|-------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Rated Voltage | V | 24 | | | | | | | | | | | | | |
| Reduction ratio | 1:X | 3.7 | 5.2 | 13 | 19 | 27 | 51 | 71 | 100 | 139 | 189 | 264 | 369 | 515 | 720 |
| Stage | # | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| No-load speed | rpm | 1622 | 1154 | 438 | 313 | 224 | 118 | 85 | 60 | 43 | 16 | 11 | 8.1 | 5.8 | 4.2 |
| Rated speed | rpm | 1216 | 865 | 328 | 234 | 168 | 88 | 63 | 45 | 32 | 24 | 17 | 12 | 8.7 | 6.3 |
| Rated Torque | kg.cm | 1.0 | 1.4 | 3.3 | 4.6 | 6.4 | 11 | 15 | 21 | 29 | 30 | 30 | 30 | 30 | 30 |
| Gear motor length (L) | mm | 87.2 | 87.2 | 94.8 | 94.8 | 94.8 | 103 | 103 | 103 | 103 | 110 | 110 | 110 | 110 | 110 |
| Moment Possible Max Torque | kg.cm | 3.0 | 4.2 | 9.9 | 13.8 | 18.9 | 33 | 45 | 63 | 87 | 90 | 90 | 90 | 90 | 90 |

Motor Specifications

| Model | Rated Voltage | No-load Speed | No-load Current | Rated Speed | Rated Current | Rated Torque | Stall Current | Stall Torque | Rated Power |
|--------------|---------------|---------------|-----------------|-------------|---------------|--------------|---------------|--------------|-------------|
| | V | rpm | mA | rpm | mA | g.cm | A | g.cm | W |
| 36ZYT57-2436 | 24 | 3600 | 120 | 3000 | 500 | 170 | 2.0 | 880 | 5.0 |
| 36ZYT57-2445 | 24 | 4500 | 110 | 3300 | 600 | 220 | 2.0 | 880 | 7.2 |
| 36ZYT57-2460 | 24 | 6000 | 180 | 4500 | 1000 | 300 | 3.0 | 1200 | 13.5 |

36 **PA** **19** **G** / **36** **ZYT** **57** - **2445**
 Size Type Ratio Bearing Size Type Length Voltage and Speed
 36mm Planetary 19:1 Ball 36mm Ferrite 57mm 24=24V;45=4500rpm