

42JXG50K/42DMW51

42mm OD Planetary Gearbox,
Permissible Load Range: 0.5N.m~5.0N.m



BRUSHLESS MOTOR SPECIFICATION

| TYPE | Number of poles | Number of phase | Rated voltage | No-load speed | Rated speed | Rated torque | Rated power | Peak torque | Peak current |
|--------------|-----------------|-----------------|---------------|---------------|-------------|--------------|-------------|-------------|--------------|
| | | | VDC | r/min | r/min | mN.m | W | mN.m | A |
| 42DMW51-2430 | 8 | 3 | 24 | 4000 | 3000 | 96 | 30 | 290 | 5.2 |

BRUSHLESS GEAR MOTOR SPECIFICATION

| | | | | | | | | | |
|-----------------------|-------|------|------|------|------|------|------|------|------|
| Reduction ratio | | 3.8 | 4.9 | 15 | 19 | 24 | 56 | 71 | 91 |
| Number of gear trains | | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 |
| Length(L) | mm | 34.9 | 34.9 | 45.5 | 45.5 | 45.5 | 55.9 | 55.9 | 55.9 |
| No-load speed | r/min | 1047 | 820 | 267 | 211 | 167 | 71 | 56 | 44 |
| Rated speed | r/min | 785 | 615 | 200 | 158 | 125 | 54 | 42 | 33 |
| Rated torque | N.m | 0.33 | 0.42 | 1.2 | 1.5 | 1.9 | 3.9 | 5 | 5 |
| Peak torque | N.m | 1.5 | 1.5 | 6 | 6 | 6 | 12 | 12 | 12 |

DIMENSIONS

