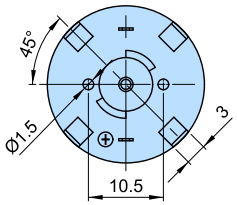
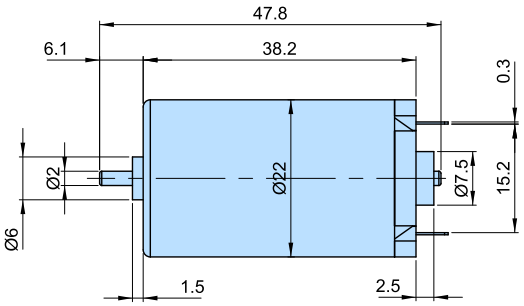
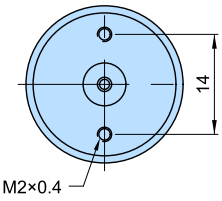
# DC2238

12 / 24 V · 4500 - 6000 rpm · 4 windings






Dimensions in mm. Standard drawing shown; confirm custom shaft variants separately.

## ELECTRICAL PERFORMANCE | STANDARD WINDINGS

| Parameter | Unit | DC2238-124500 | DC2238-126000 | DC2238-244500 | DC2238-246000 |
|---|---|---|---|---|---|
| Rated voltage | V | 12 | 12 | 24 | 24 |
| No-load speed | rpm | 4500 | 6000 | 4500 | 6000 |
| Rated speed | rpm | 3600 | 4792 | 3800 | 5388 |
| No-load current | mA | 90 | 110 | 50 | 65 |
| Rated current | mA | 270 | 350 | 140 | 185 |
| Stall current | mA | 1100 | 1350 | 750 | 950 |
| Rated torque | gf.cm | 35 | 50 | 35 | 50 |
| Stall torque | gf.cm | 160 | 250 | 265 | 317 |
| Rated output power | W | 1.3 | 2.42 | 1.55 | 2.75 |
| Maximum efficiency | % | 75 | 75 | 75 | 75 |

Standard specifications at 20 °C ambient. For customized performance, contact technical support.

## MECHANICAL, MATERIALS & OPERATION

| | | | |
|---|---|---|---|
| Motor diameter | 22 mm | Operating temperature | -30 ~ 65 °C |
| Motor body length | 38.2 mm | Housing material | Zinc-plated steel |
| Motor weight | 48 g | Winding material | Enameled copper wire |
| Shaft diameter | 2 mm | Magnet material | Ferrite |
| Shaft configuration | Single/Dual | Brush material | Metal graphite brush |
| Direction of rotation | CW/CCW | Insulation class | UEW |
| Connector | 2 | Pole pairs | 2 |
| Working lifespan | 250 hours | | |

## CONFIGURATION | COMPATIBLE GEARBOX

| Gearbox type | Series | Combination | + L (mm) |
|---|---|---|---|
| Planetary gearbox | PG22 | PG22 + DC2238 | 13.9 - 24.7 |

+ L: added axial length including the mounting plate, excluding the output shaft.