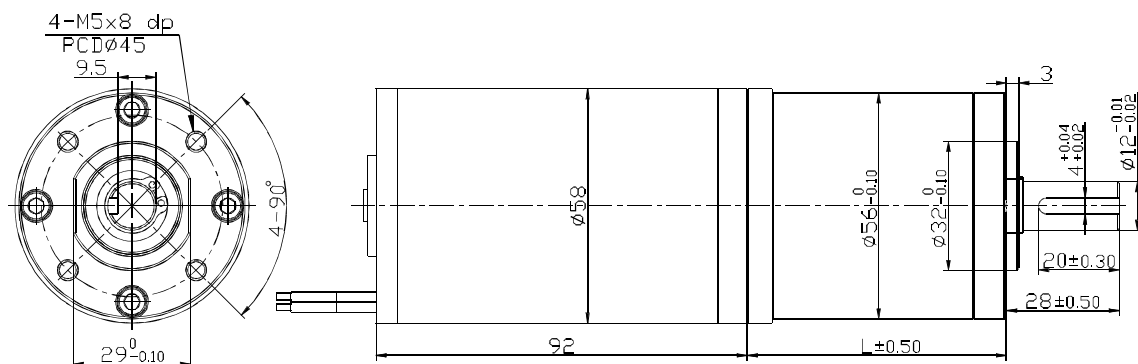


PG56ZY58



- 1、外壳材质(Housing material): metal
- 2、背隙, 无负荷时 (Backlash,at no-load) : $\leq 1.2^\circ$
- 3、轴承型号 (Bearing at output) : ball bearings
- 4、径向间隙 (Radial play of shaft) : $\leq 0.05\text{mm}$
- 5、轴向间隙 (Thrust play shaft) : $\leq 0.3\text{mm}$
- 6、警告: 马达瞬间允许扭力600kgf.cm。当使用低转速、高速比时, 请做好保护措施。
(When the motors using at low speed,high gear ratio will cause gear motor torque more than 600kgf.cm.At this torque the gears will be broken easily.Be noted.)
- 7、适用范围/Typical applications: 监控云台/云台、烘烤架、烤炉、清洗机、垃圾处理机、捆钞机、医疗食品、稳压器、游戏机、灌流泵、办公设备、家用电器。
Pan/Tilt cameras,Grill,Oven,Cleaning machine,Garbage disposers,Packing bank note machine,Coffee machine,Medical machine,Manostat,Amusement equipment,infusion pumps,Office equipment,Household appliances,Automatic actuator.

外形尺寸图/Appearance size



齿轮箱清单/Gearbox data:

| 级数 Number of stages | 1 stages reduction | 2 stages reduction | 3 stages reduction | 4stages reduction | 5stages reduction |
|-------------------------------------|-----------------------|-----------------------|------------------------|-----------------------------|--------------------------------------|
| 减速比Reduction ratio | 3.6, 4.3 | 13, 19.2, 22.7 | 46.7, 69, 102, 121, | 198, 276, 326, 409, 513, | 843, 995, 1567, 1966, 2321, 3439, |
| 齿轮箱长度 Gearbox length "L" mm | 35.3 | 49.2 | 63.1 | 77.0 | 93.4 |
| 最大额定力矩 Max. Running torque | 50Kgf · cm | 100Kgf · cm | 200Kgf · cm | 200Kgf · cm | 200Kgf · cm |
| 最大损坏扭力 Max. Gear breaking torque | 150Kgf · cm | 300Kgf · cm | 600Kgf · cm | 600Kgf · cm | 600Kgf · cm |
| 效率Gearing efficiency | 90% | 81% | 73% | 65% | 59% |

马达清单/Motor data:

| 马达型号 Motor name | 额定电压 Rated Volt. V | 空载No load | | 负载扭矩Load torque | | | | 堵转扭矩Stall torque | |
|--------------------|--------------------------|------------|-------|-----------------|-------|---------|--------------|------------------|---------|
| | | Current | Speed | Current | Speed | Torque | Output power | Torque | Current |
| | | mA | r/min | mA | r/min | gf · cm | W | gf · cm | A |
| ZY58123000 | 12 | ≤ 480 | 3000 | ≤ 4600 | 2418 | 1508 | 38.1 | 7594 | 21.1 |
| ZY58243000 | 24 | ≤ 260 | 3000 | ≤ 2620 | 2412 | 1562 | 39.5 | 8392 | 12.4 |

1、减速后的输出力矩 = 马达力矩X减速比X齿轮效率。输出转速 = 马达转速/减速比。

1、After connecting motor and gearbox which is named gearmotor the output torque: motor torque X reduction ratio X gearing efficiency; output speed: motor speed / reduction ratio.

NOTE:

- 1、马达命名: 如PG56ZY58123000-102K。马达参数如马达清单上的ZY58123000, 齿轮减速比参数如齿轮箱清单上的102, 马达的输出转速和输出力矩请参照上表的马达清单。
- 2、马达可安装的译码器参数请参照第45页。
- 3、标准输出轴为 $\Phi 12\text{mm}$, 其它尺寸可根据客户要求制作。
- 4、以上参数仅作参考, 具体以实物为准。
- 1、Gearmotor named methods: e.g. PG52ZY52123000-102K Motor please refer to the motor data ZY52123000. Gearbox please refer to gearbox data reduction ratio 102. Related to gearmotor output speed and torque please refer to motor data.
- 2、Motor can be installed with magnetic encoder, encoder parameters please refer to Page 45.
- 3、Standard output shaft after reducing: $\Phi 12.0\text{mm}$. other sizes of the output shaft can make as client request.
- 4、Chart only for reference, products shall prevail the entity.