

### PVE060 Gear Reducer Technical Parameters

| Technical Parameter    | Unit      | Value                         |
|------------------------|-----------|-------------------------------|
| Max Radial Torque      | N         | 240                           |
| Max Axial Torque       | N         | 220                           |
| Torsional Stiffness    | Nm/arcmin | 1.8                           |
| Max Input Speed        | rpm       | 8000                          |
| Rated Input Speed      | rpm       | 4000                          |
| Noise                  | dB        | ≤58                           |
| Backlash (Stage 1)     | arcmin    | ≤13                           |
| Backlash (Stage 1)     | arcmin    | ≤17                           |
| Max. Output Torque     | Nm        | 1.5 Times Rated Output Torque |
| Instant Braking Torque | Nm        | 2 Times Rated Output Torque   |
| Life time              | h         | 20000                         |
| IP Degree              | -         | IP65                          |
| Operating Temperature  | °C        | -10°C~+90°C                   |
| Full Load Efficiency   | %         | L1≥95%, L2≥92%                |

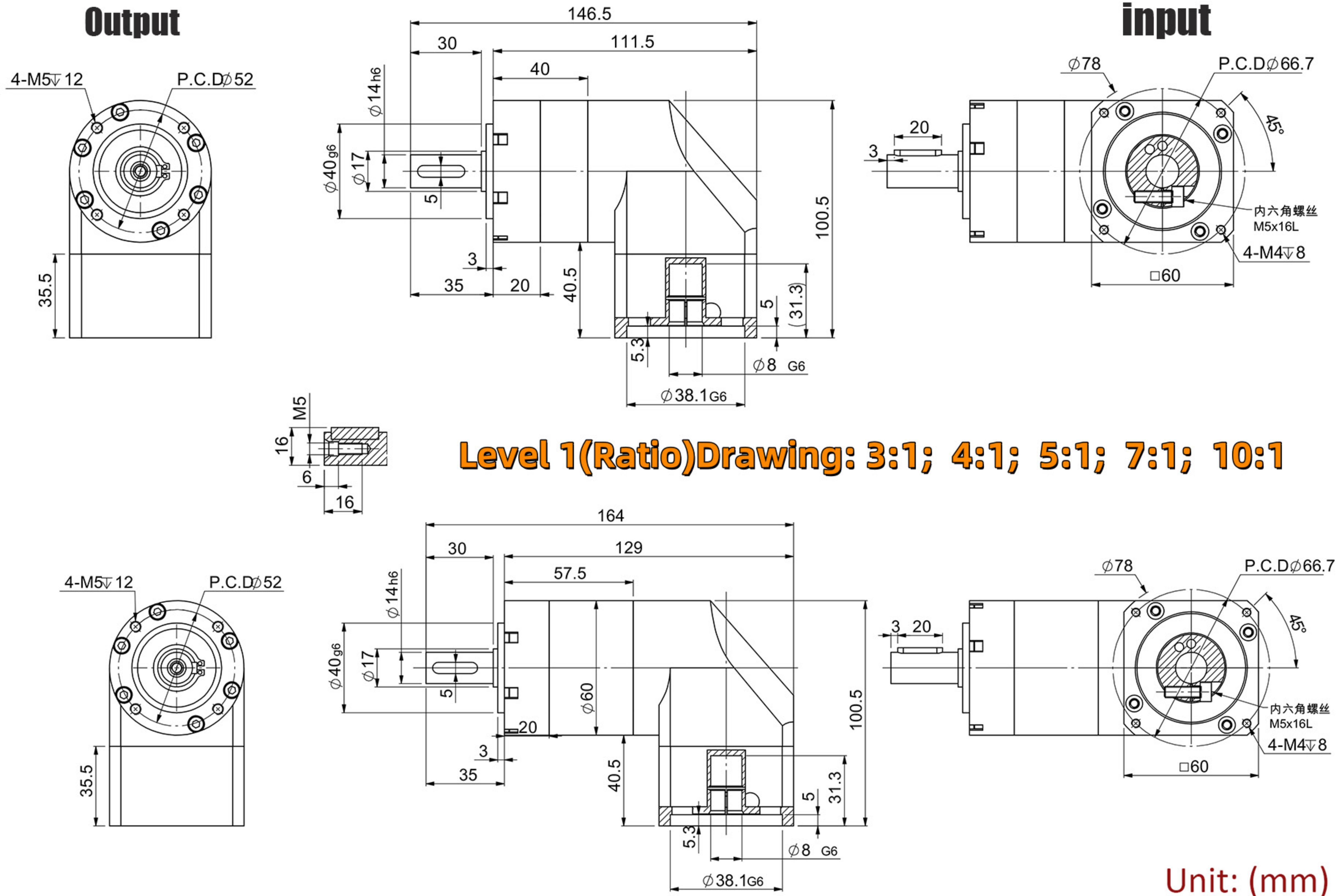
### Rated Output Torque (Nm)

| Stage        | Ratio     | Rated Output Torque |
|--------------|-----------|---------------------|
| Stage 1 (L1) | 3:01      | 27                  |
|              | 4:01      | 40                  |
|              | 5:01      | 40                  |
|              | 7:01      | 34                  |
|              | 10:01     | 16                  |
| Stage 2 (L2) | 15:01     | 27                  |
|              | 20:01     | 40                  |
|              | 25:01:00  | 40                  |
|              | 30:01:00  | 27                  |
|              | 35:01:00  | 40                  |
|              | 40:01:00  | 40                  |
|              | 50:01:00  | 40                  |
|              | 70:01:00  | 34                  |
|              | 100:01:00 | 16                  |

### Moment of Inertia (Kg.cm²)

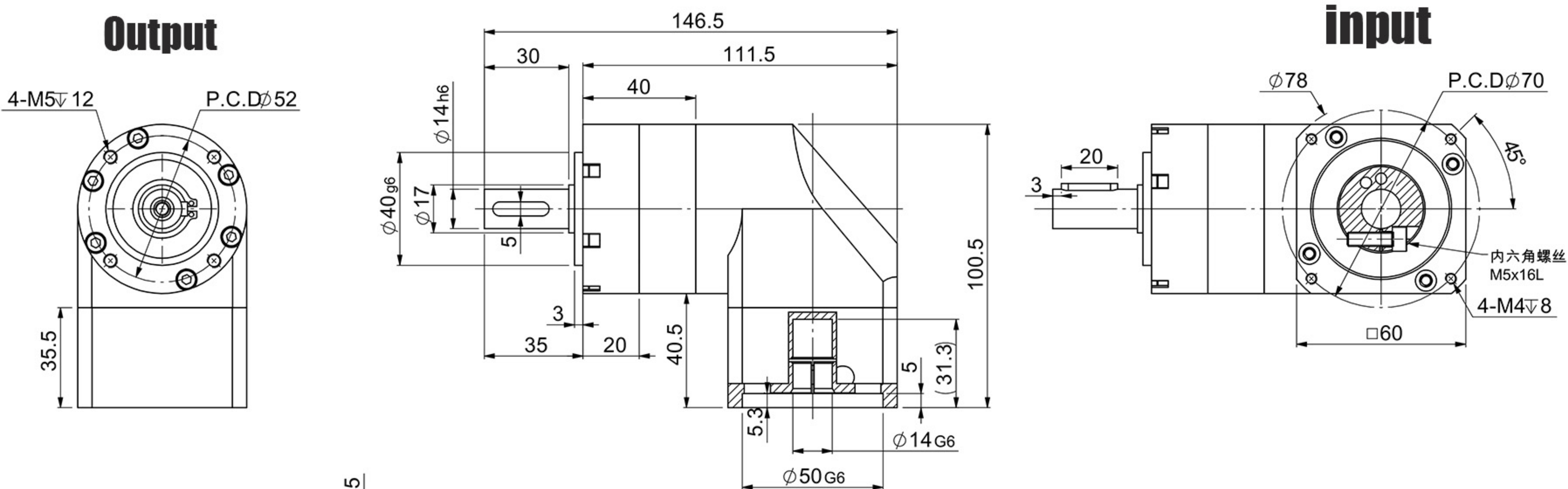
| Stage        | Ratio     | Moment of Inertia |
|--------------|-----------|-------------------|
| Stage 1 (L1) | 3:01      | 0.46              |
|              | 4:01      | 0.46              |
|              | 5:01      | 0.46              |
|              | 7:01      | 0.41              |
|              | 10:01     | 0.41              |
| Stage 2 (L2) | 15:01     | 0.44              |
|              | 20:01     | 0.44              |
|              | 25:01:00  | 0.44              |
|              | 30:01:00  | 0.44              |
|              | 35:01:00  | 0.44              |
|              | 40:01:00  | 0.44              |
|              | 50:01:00  | 0.34              |
|              | 70:01:00  | 0.34              |
|              | 100:01:00 | 0.34              |

# Spur Gear Right Angle Circle Planetary Reducer for Nema23 stepper motor 8mm shaft

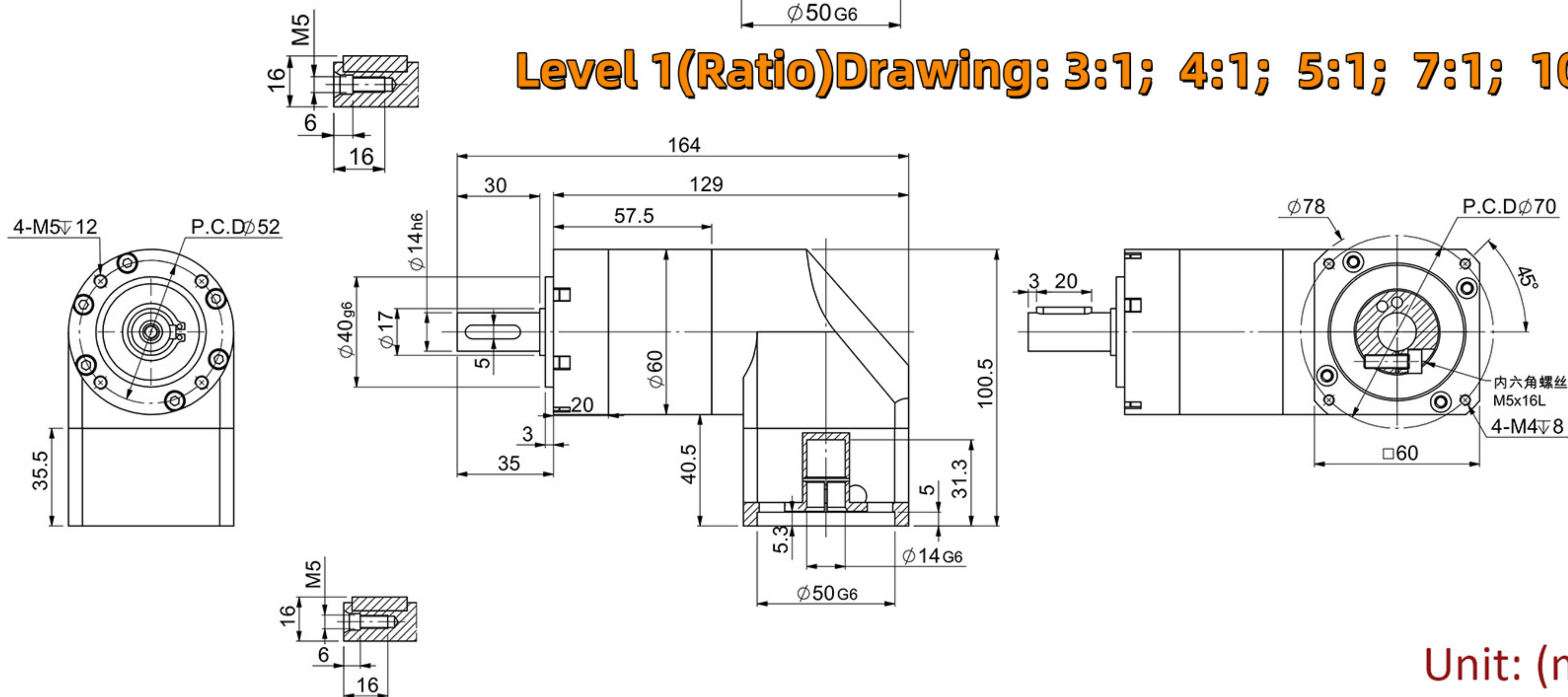


**Level 2(Ratio)Drawing: 15:1; 20:1; 25:1; 30:1; 35:1; 40:1; 50:1; 70:1; 100:1**

# Spur Gear Right Angle Circle Planetary Reducer for 60mm Servo motor 14mm Shaft



**Level 1(Ratio)Drawing: 3:1; 4:1; 5:1; 7:1; 10:1**



Unit: (mm)

**Level 2(Ratio)Drawing: 15:1; 20:1; 25:1; 30:1; 35:1; 40:1; 50:1; 70:1; 100:1**