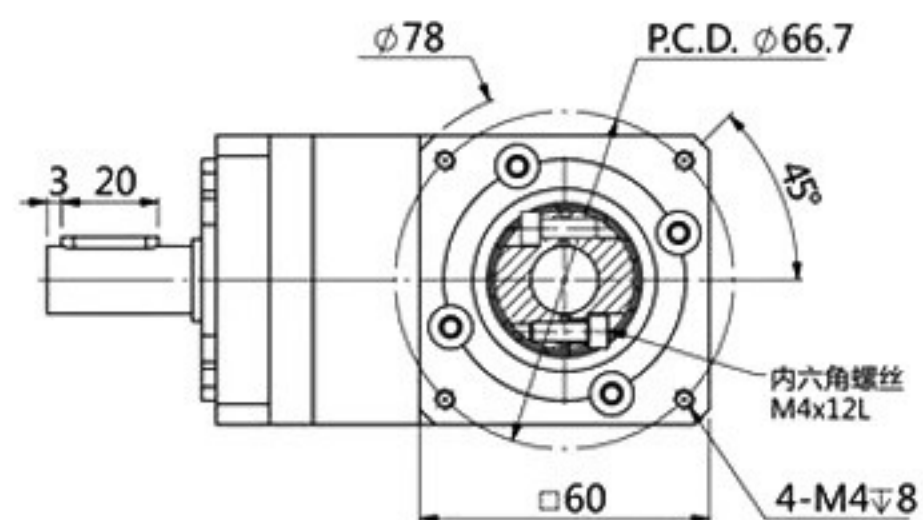
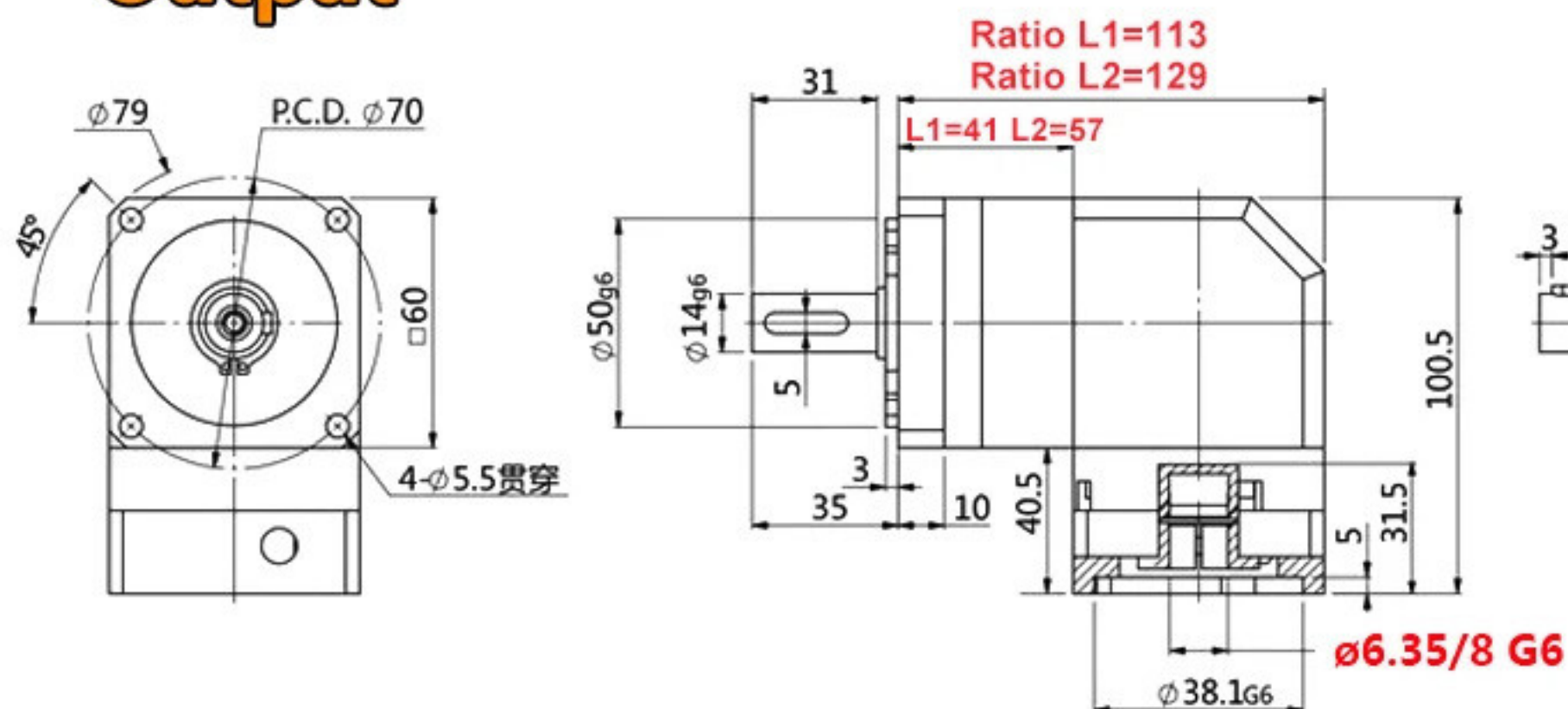


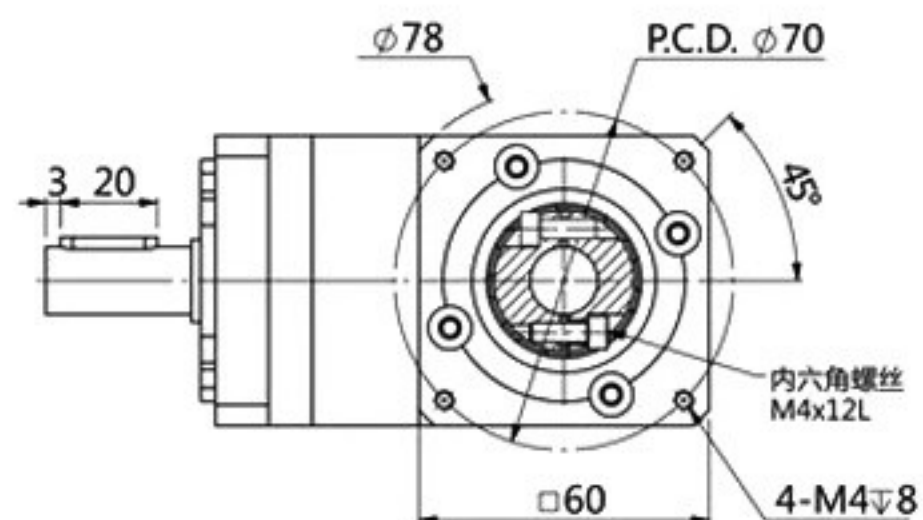
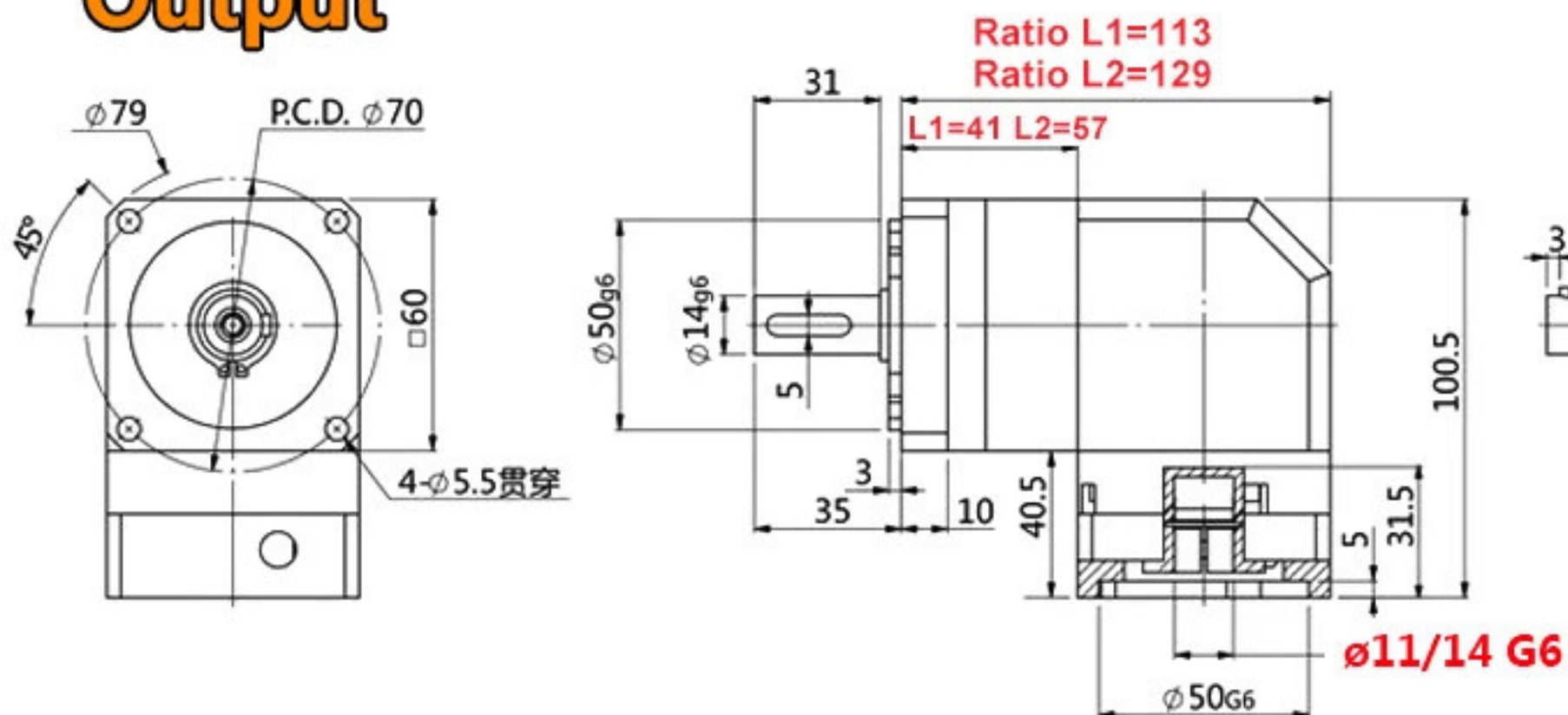
# PVF060 Series Nema23 Right Angle Planetary Gearbox Parameter

| PVF060 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    | ≤10                           |
| Backlash (Stage 2)                       | arcmin    | ≤15                           |
| 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                            |
| 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.cm <sup>2</sup> )  |           |                               |
| Stage                                    | Ratio     | Moment of Inertia             |
| Stage 1 (L1)                             | 3:01      | 0.46                          |
|                                          | 4:01      | 0.46                          |
|                                          | 5:01      | 0.46                          |
|                                          | 7:01      | 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                          |

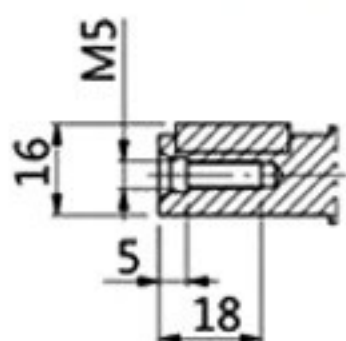
## Input



## Input



## Speed Ratio



1 Stage (L1): 3:1/ 4:1/ 5:1/ 7:1/ 10:1  
2 Stage (L2): 15:1/ 20:1/ 25:1/ 30:1  
/ 35:1/ 40:1/ 50:1/ 70:1/ 100:1