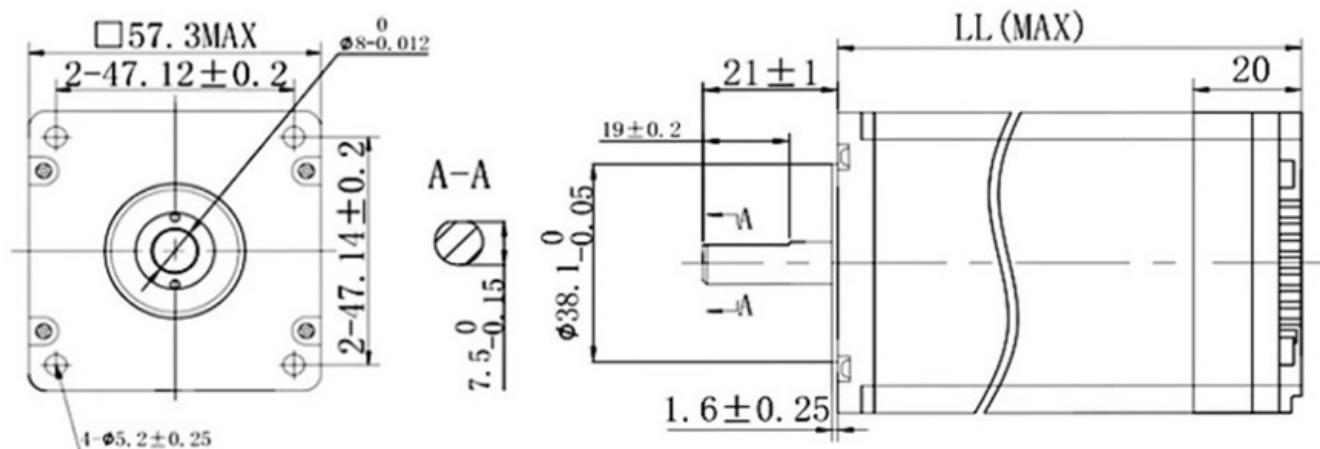
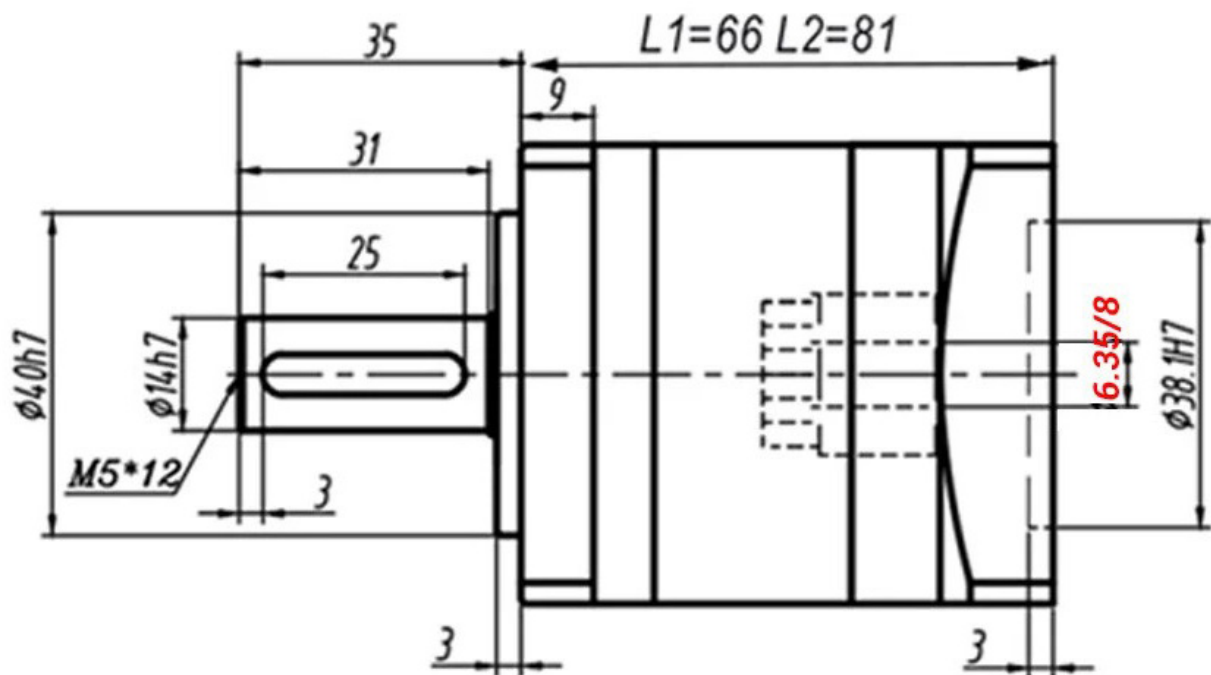


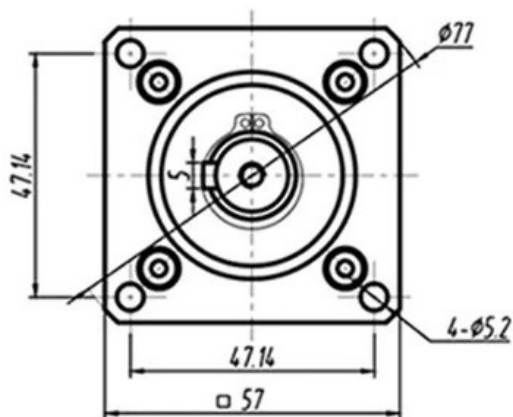


| Motor model | Motor Length | Axis length | Shaft Diameter | Phase Current | Phase Resistance | Maintain Torque | Moment of Inertia            | Weight |
|-------------|--------------|-------------|----------------|---------------|------------------|-----------------|------------------------------|--------|
|             | (LL)mm       | (LR)mm      | (S)mm          | (A)           | $\Omega$         | N.m             | $\text{g} \cdot \text{cm}^2$ | g      |
| HBT5776C    | 96           | 21          | 8              | 3.5           | 0.40             | 2.0             | 450                          | 1100   |

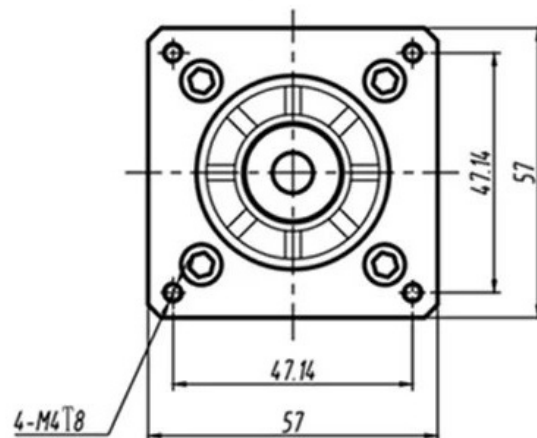
## 6.35mm/8mm Input 14mm Output Shaft



OUTPUT



INPUT



## Technical Parameters

| Stage                   | Stage 1 ( L1 )                         |      |      |     | Stage 2 ( L2 ) |    |    |    |    |    |    |      | Stage 3 ( L3 ) |      |      |      |      |     |      |  |
|-------------------------|----------------------------------------|------|------|-----|----------------|----|----|----|----|----|----|------|----------------|------|------|------|------|-----|------|--|
| Body length             | 66mm                                   |      |      |     | 81mm           |    |    |    |    |    |    |      | 96mm           |      |      |      |      |     |      |  |
| Speed ratio             | 4                                      | 5    | 7    | 10  | 16             | 20 | 25 | 28 | 35 | 40 | 50 | 70   | 64             | 80   | 100  | 125  | 140  | 170 | 200  |  |
| Rated output torque(Nm) | 27                                     | 29.5 | 19.5 | 8.5 | 30             | 30 | 33 | 30 | 33 | 30 | 33 | 21.5 | 37.5           | 37.5 | 37.5 | 37.5 | 37.5 | 41  | 37.5 |  |
| Max output torque(Nm)   | 54                                     | 59   | 39   | 17  | 60             | 60 | 60 | 60 | 66 | 60 | 66 | 66   | 75             | 75   | 75   | 75   | 75   | 82  | 82   |  |
| Full load efficiency    | 96%                                    |      |      |     | 94%            |    |    |    |    |    |    |      | 90%            |      |      |      |      |     |      |  |
| Backlash Precision      | ≤ 20 Arcmin                            |      |      |     | ≤ 40 Arcmin    |    |    |    |    |    |    |      | ≤50 Arcmin     |      |      |      |      |     |      |  |
| Input Shaft             | 6.35mm / 8mm                           |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Output Shaft            | 14mm                                   |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Max radial force        | 320N                                   |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Max axial force         | 240N                                   |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Rated input speed       | 3000rpm                                |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Max input speed         | 4000rpm                                |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Lifespan                | 20000h                                 |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Direction of rotation   | Input and output in the same direction |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |
| Operating temperature   | -10°~ +80°                             |      |      |     |                |    |    |    |    |    |    |      |                |      |      |      |      |     |      |  |

### L1 ( Stage 1 ) :

4 :1、 5:1、 7:1、 10:1

### L2 ( Stage 2 ) :

16 :1、 20:1、 25:1、 40:1、 50:1、 70: 1

