36P | PLANETARY GEARHEAD

COMPACT | 36 mm

PRECISION PLANETARY GEARHEAD / GEARHEAD ONLY

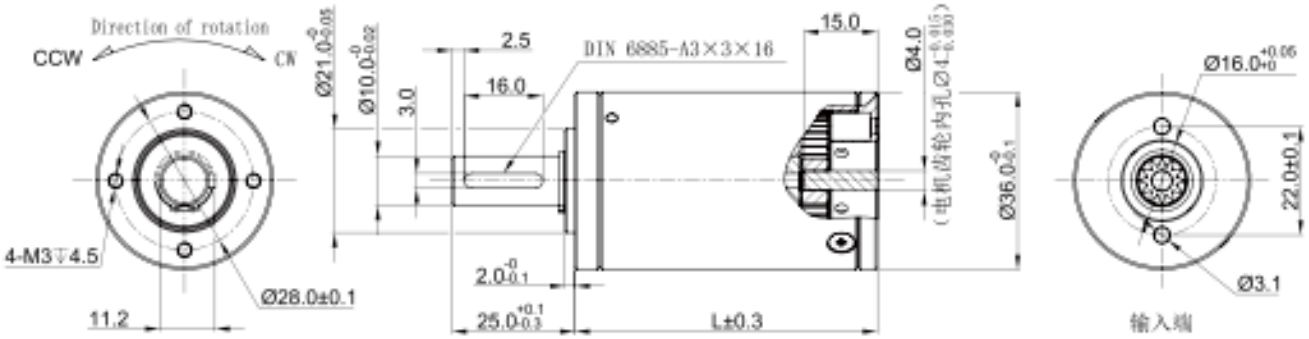
GENERAL SPECIFICATIONS

Housing material	**Steel**
Gear material	**Steel**
Output bearing	**Ball Bearing**
Radial load, 10 mm from flange	**<= 98.1 N**
Shaft axial load	**<= 58.8 N**
Radial play of shaft	**<= 0.04 mm**
Axial / thrust play of shaft	**<= 0.30 mm**
Backlash, no load	**<= 1.2 deg**
Operating temperature	**-40 to +120 C**
Motor input speed	**Application-specific***



Photo: source reference image

TECHNICAL ILLUSTRATION / DIMENSIONS IN mm



PERFORMANCE BY REDUCTION STAGE

Stage	L (mm)	Source torque (mN·m)	Max. momentary torque (mN·m)	Efficiency
1	30.6	**3,922.7**	**7,845.3**	90%
2	40.9	**5,884.0**	**11,768.0**	80%
3	51.2	**7,845.3**	**15,690.6**	73%
4	61.5	**9,806.7**	**19,613.3**	66%

* Input speed is evaluated for the selected motor/gearhead assembly; no generic limit is published.

Torque values follow the factory source; allowable duty depends on operating conditions.

Conversion: 1 kgf·cm = 98.0665 mN·m. Values shown are source specifications, not independently tested.

36P | RATIOS & INTERFACE

COMPACT | 36 mm

PRECISION PLANETARY GEARHEAD / GEARHEAD ONLY

AVAILABLE REDUCTION RATIOS

Reduction ratio (input turns per output revolution) / ratios transcribed from factory source sheet

Stage 1

Length 30.6 mm | Efficiency 90%

3.66 / 4.2 / 5.0

Stage 2

Length 40.9 mm | Efficiency 80%

13.4 / 15.4 / 17.6 / 18.3 / 21 / 25

Stage 3

Length 51.2 mm | Efficiency 73%

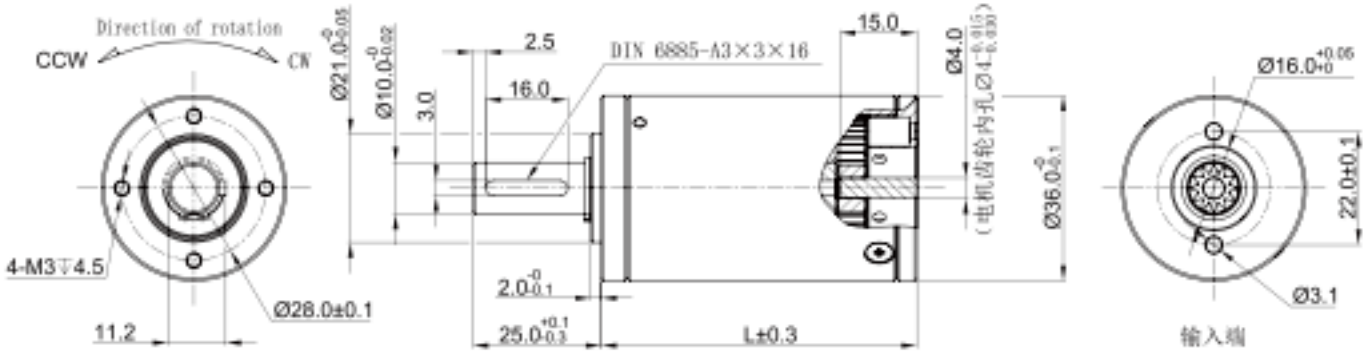
49 / 56.3 / 64.6 / 67 / 74.1 / 76.9 / 88.2 / 91.5 / 105 / 125

Stage 4

Length 61.5 mm | Efficiency 66%

179.4 / 205.9 / 236.3 / 245.1 / 271.2 / 281.3 / 311.2 / 322.8
334.9 / 370.5 / 384.3 / 441 / 457.5 / 525 / 625

MECHANICAL INTERFACE / SOURCE DIMENSIONED DRAWING



Factory drawing is retained at its original geometry; image clarity is limited by the uploaded raster file.
Use a verified vector 2D drawing / CAD model for manufacturing tolerances and fit checks.

SOURCE NOTES / ENGINEERING REVIEW

Source motor reference: 3-48 VDC, DC motor power below 150 W. This is not a validated motor pairing.

Original speed-limit line intentionally omitted from this document; confirm actual duty, heating and life by application.

Torque values follow the factory source; confirm continuous-duty conditions for the application.