

IG

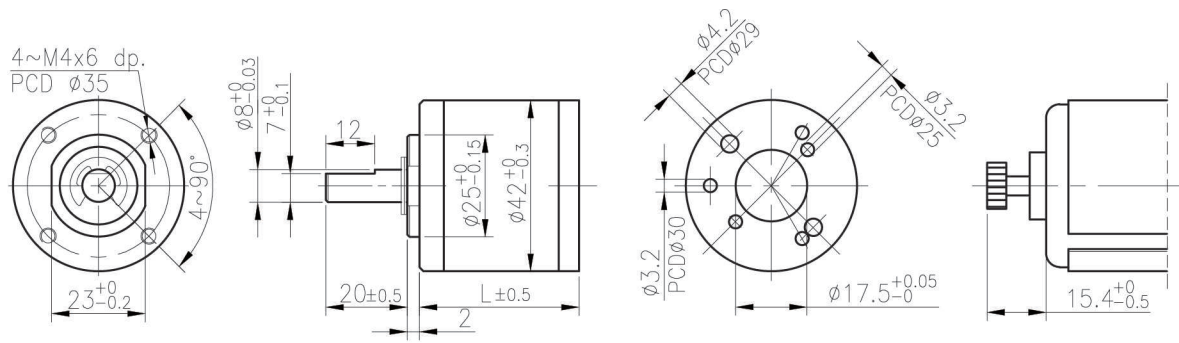
# IG-42



外形尺寸 & 馬達齒鉤合尺寸 / Appearance Size & Pinion Assembly Dimension

Right Angle

RA



unit:mm

## 產品規格 / Product Specifications

外殼材質 Housing material	輸出軸承型式 Output shaft bearing	徑向負荷 Radial load (10mm from flange)	軸向負荷 Shaft axial load	主軸承受壓入力 Shaft press fit force	徑向間隙 Radial play of shaft	軸向間隙 Thrust play of shaft	背隙 (無負荷時) Backlash, at no-load
金屬 Metal	含油軸承 Sleeve bearing	$\leq 5$ kgf	$\leq 3$ kgf	$\leq 15$ kgf	$\leq 0.08$ mm	$\leq 0.3$ mm	$\leq 3^\circ$
金屬 Metal	滾珠軸承 Ball bearings	$\leq 8$ kgf	$\leq 3$ kgf	$\leq 15$ kgf	$\leq 0.05$ mm	$\leq 0.3$ mm	$\leq 3^\circ$

RB

## 馬達齒輪型式 / Pinion Specifications

模數 Module	齒數 No. of teeth	壓力角 Pressure angle	孔徑 (mm) Hole diameter	減速比 Reduction ratio
0.6	12	$20^\circ$	$\phi 3.98$	1/24, 1/144, 1/864
0.6	15	$20^\circ$	$\phi 4.98$	1/720, 1/1062, 1/1470, 1/2500, 1/3000, 1/3600
0.6	18	$20^\circ$	$\phi 4.98$	1/17, 1/61, 1/104, 1/212, 1/624
0.6	24	$20^\circ$	$\phi 4.98$	1/14, 1/49, 1/84, 1/294, 1/504
0.6	20	$20^\circ$	$\phi 4.98$	1/4

WG

## 標準減速比型式 / Gearboxes Specifications

減速比 Reduction ratio	1/4	1/14	1/17	1/24	1/49	1/61	1/84	1/104	1/144	1/212	1/294	1/504	1/624	1/720	1/864	1/1062	1/1470	1/2500	1/3000	1/3600
定格容許扭力 (kgf-cm max.) Rated tolerance torque	3	8	8	8	18	18	18	20	20	25	25	30	30	30	30	30	30	30	30	30
瞬間容許扭力 (kgf-cm) Max momentary tolerance torque	9	24	24	24	54	54	54	60	60	75	75	90	90	90	90	90	90	90	90	90
效率 Efficiency	80%	70%	70%	70%	60%	60%	60%	60%	60%	50%	50%	50%	50%	50%	50%	40%	40%	40%	40%	40%
長度 Length (L)	32.5	39.2	39.2	39.2	45.9	45.9	45.9	45.9	45.9	52.6	52.6	52.6	52.6	52.6	52.6	59.6	59.6	59.6	59.6	59.6
重量 (含油軸承) Weight (g) /Sleeve bearing	141	193	193	193	233	233	233	233	233	283	283	283	283	283	283	328	328	328	328	328
重量 (滾珠軸承) Weight (g) /Ball bearings	139	191	191	191	231	231	231	231	231	281	281	281	281	281	281	326	326	326	326	326

Encoder

Driver

- 使用相對溼度：20%~85%RH  
Operating relative humidity
- 使用溫度範圍：-10°C~+60°C  
Operating temperature range