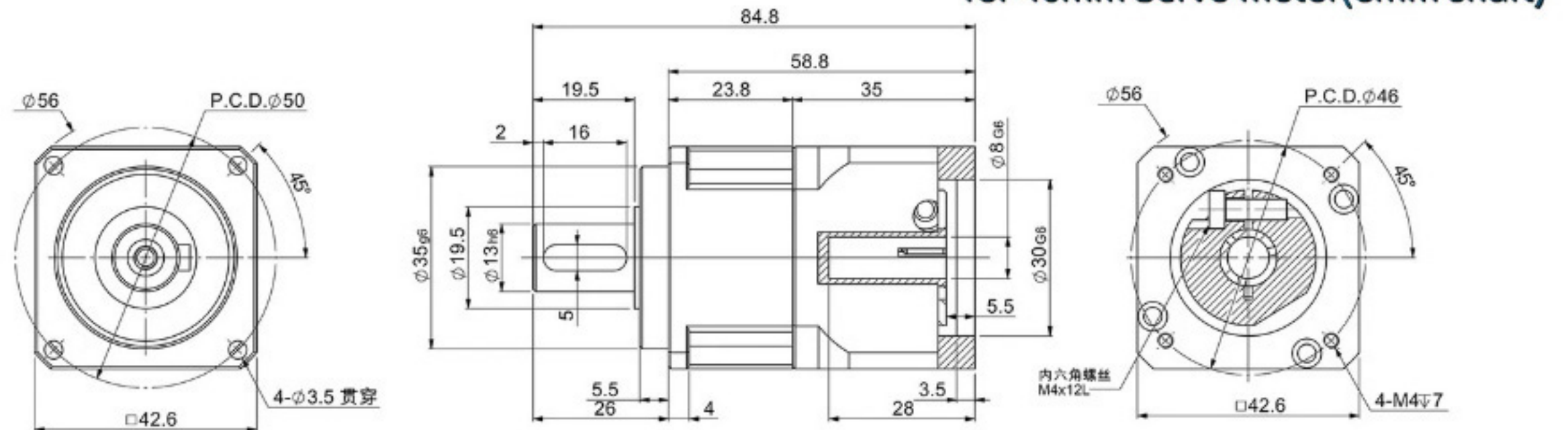


PLG042 Helical Planetary Gearbox Ratio 4:1 - 100:1 Parameter

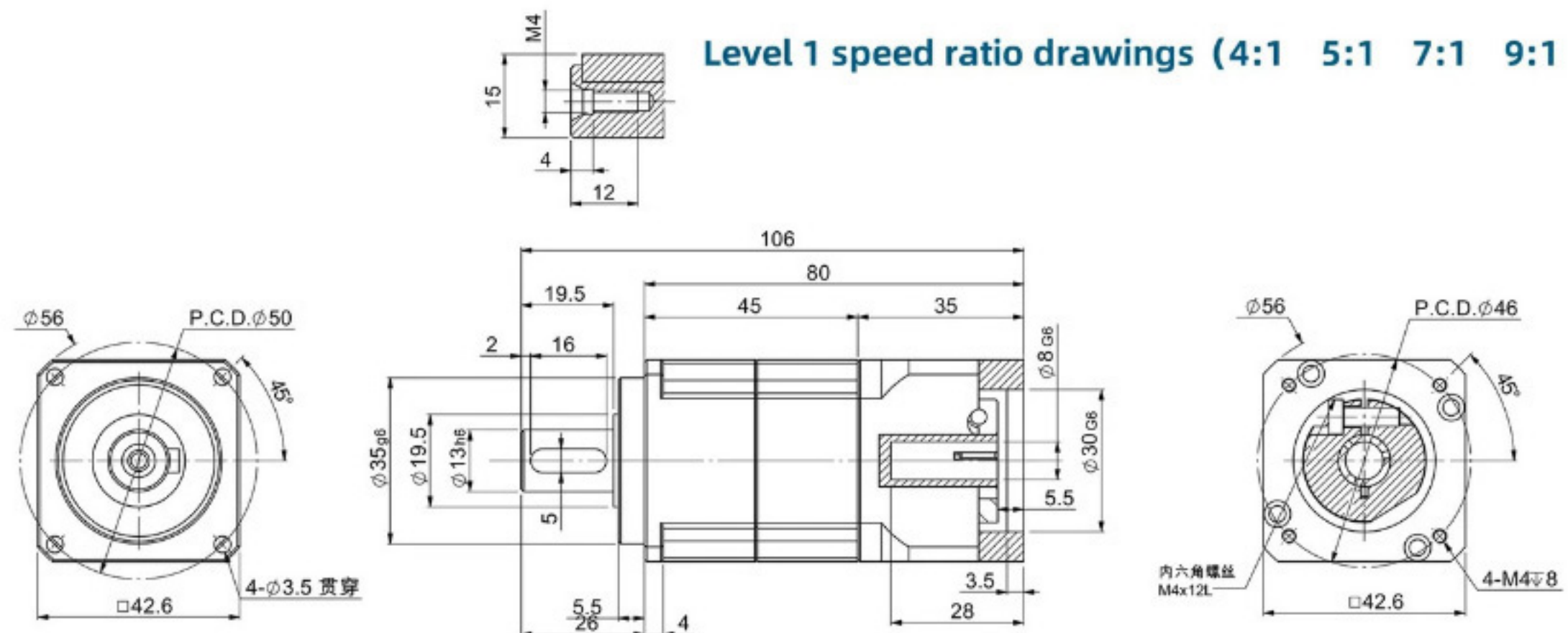
PLG042 Gear Reducer Technical Parameters		
Technical Parameter	Unit	Value
Model	-	PLG042
Input Flange	mm	42.6
Input Size	mm	5/8
Max. Output Torque	Nm	2 Times Rated Output Torque
Instant Braking Torque	Nm	3 Times Rated Output Torque
Max Radial Torque	N	780
Max Axis Torque	N	390
Torsional Stiffness	Nm/arcmin	2.5
Max Input Speed	rpm	8000
Rated Input Speed	rpm	4000
Noise	dB	≤56
Life time	h	20000
Full Load Efficiency	%	L1≥95%, L2≥90%
Backlash (Stage 1)	arcmin	≤3
Backlash (Stage 2)	arcmin	≤5
IP Degree	-	IP65
Operating Temperature	°C	-10°C~+90°C
Rated Output Torque (Nm)		
Stage	Ratio	Rated Output Torque
Stage 1	3:01	19
	4:01	19
	5:01	17
	7:01	14
	10:01	11
Stage 2	15:01	19
	20:01	19
	25:01:00	17
	30:01:00	19
	35:01:00	17
	40:01:00	19
	50:01:00	17
	70:01:00	14
	100:01:00	11

Precision Helical Gear Planetary Gearbox(backlash ≤ 3 arc-min)

for 40mm Servo motor(8mm shaft)

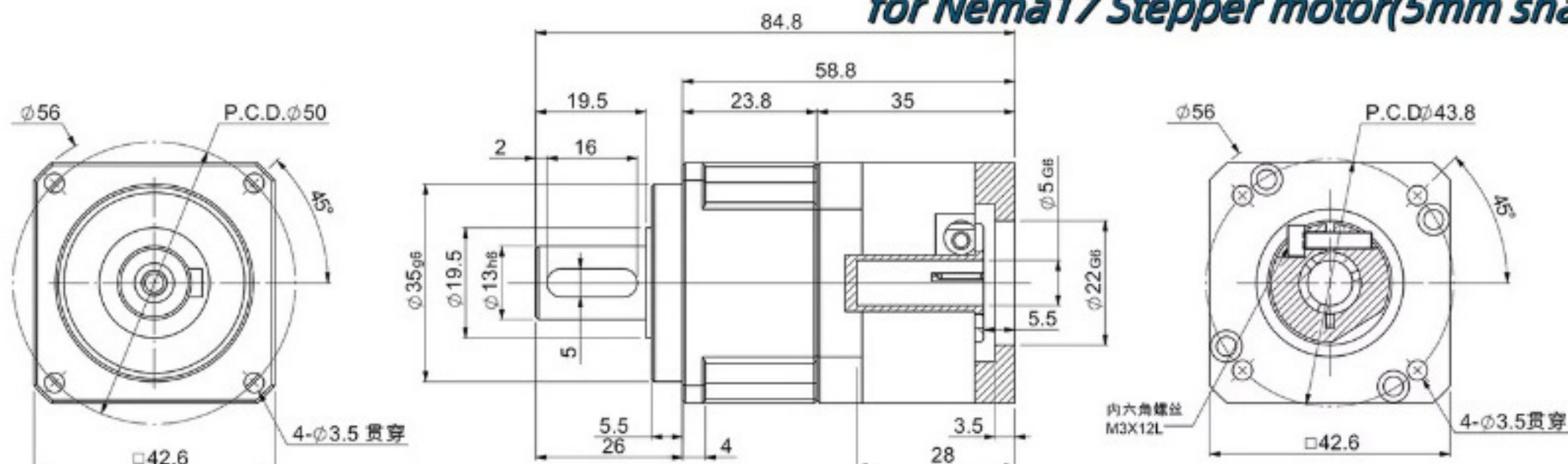


Level 1 speed ratio drawings (4:1 5:1 7:1 9:1 10:1)

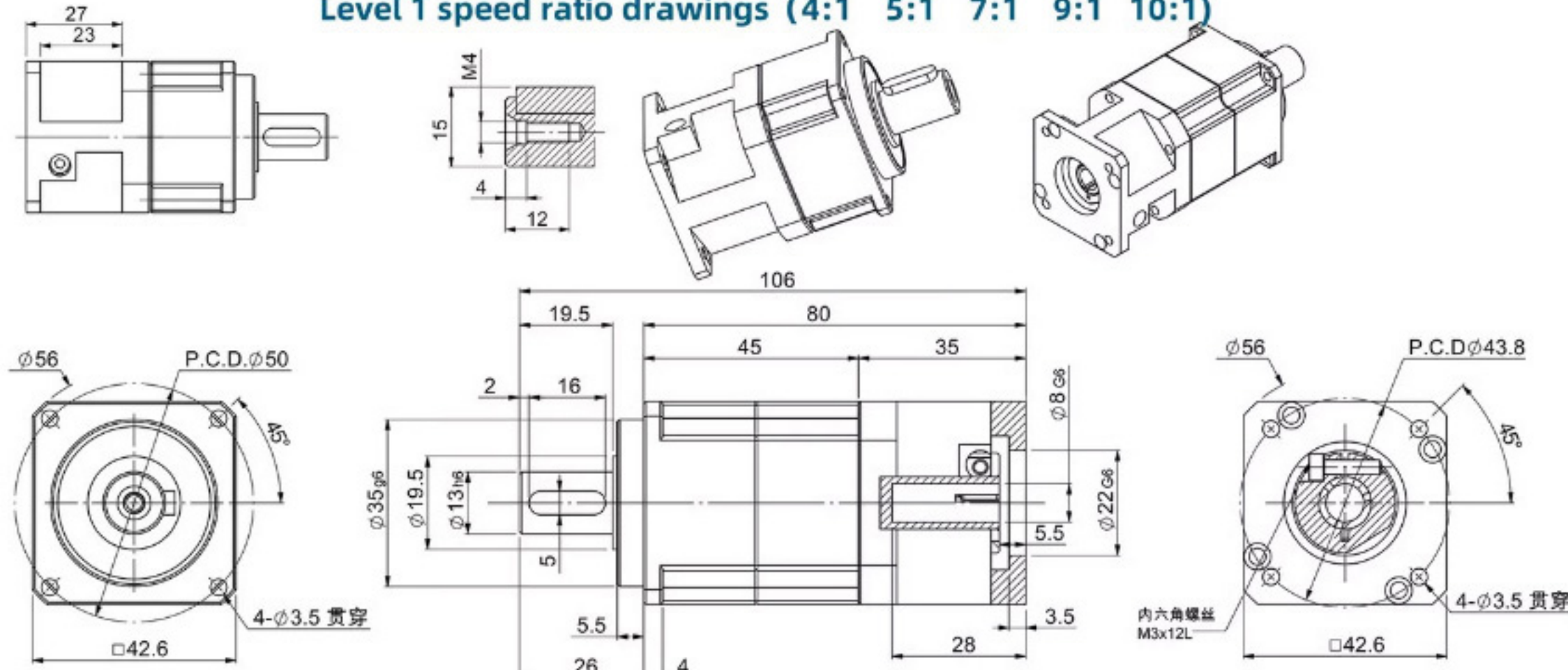


Level 2 speed ratio drawings (20:1 25:1 35:1 40:1 50:1 70:1 100:1)

Precision Helical Gear Planetary Gearbox(backlash≤3arc-min)
for Nema17 Stepper motor(5mm shaft)



Level 1 speed ratio drawings (4:1 5:1 7:1 9:1 10:1)



Level 2 speed ratio drawings (20:1 25:1 35:1 40:1 50:1 70:1 100:1)