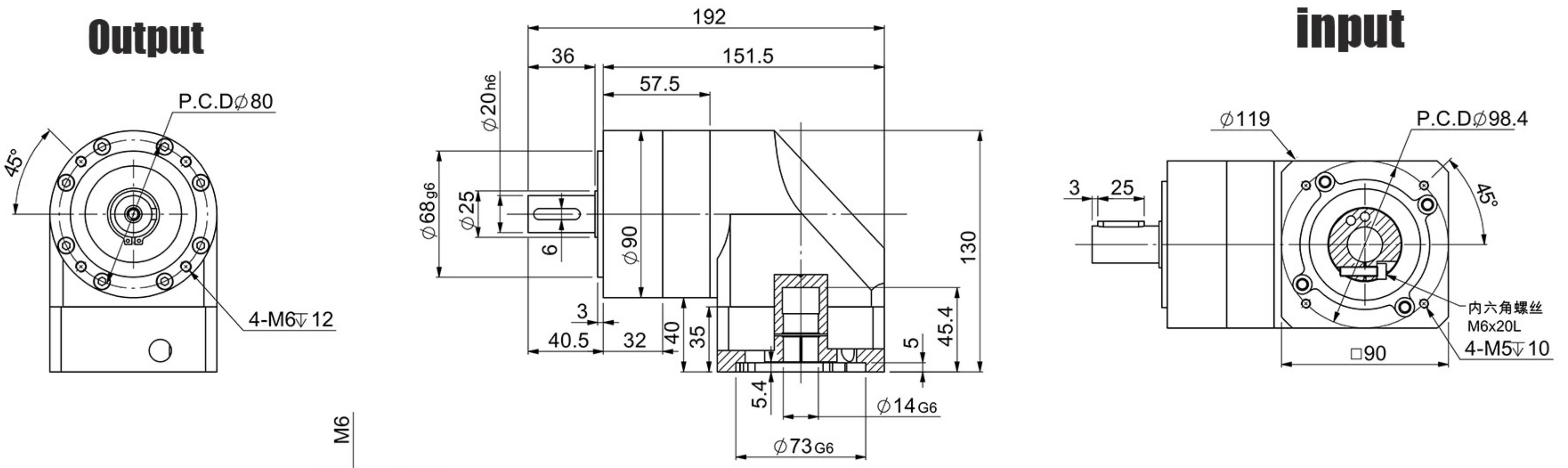


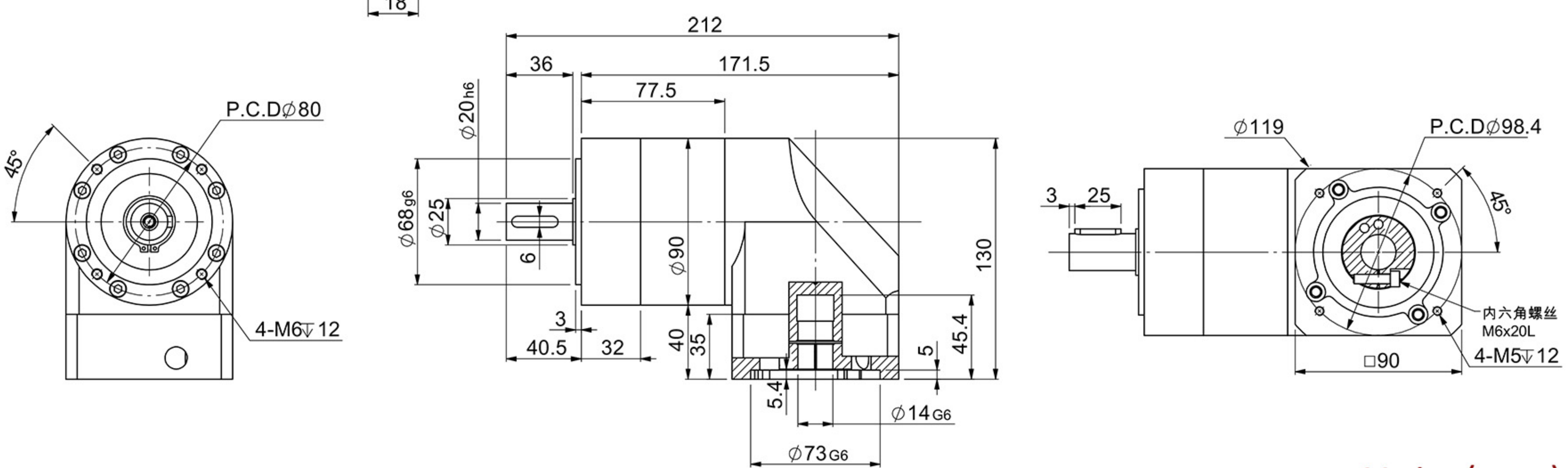
PVE090 Series Nema 34 Right Angle Planetary Gearbox Parameter

PVE090 Gear Reducer Technical Parameters		
Technical Parameter	Unit	Value
Max Radial Torque	N	450
Max Axial Torque	N	430
Torsional Stiffness	Nm/arcmin	4.85
Max Input Speed	rpm	6000
Rated Input Speed	rpm	3500
Noise	dB	≤60
Backlash (Stage 1)	arcmin	≤13
Backlash (Stage 2)	arcmin	≤17
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	96
	4:01	122
	5:01	122
	7:01	95
	10:01	56
Stage 2 (L2)	15:01	96
	20:01	122
	25:01:00	122
	30:01:00	96
	35:01:00	122
	40:01:00	122
	50:01:00	122
	70:01:00	95
	100:01:00	56
Moment of Inertia (Kg.cm²)		
Stage	Ratio	Moment of Inertia
Stage 1 (L1)	3:01	1.73
	4:01	1.73
	5:01	1.73
	7:01	1.42
	10:01	1.42
Stage 2 (L2)	15:01	1.49
	20:01	1.49
	25:01:00	1.49
	30:01:00	1.49
	35:01:00	1.49
	40:01:00	1.49
	50:01:00	1.25
	70:01:00	1.25

Spur Gear Right Angle Circle Planetary Reducer for Nema34 Stepper Motor 14mm Shaft



Level 1(Ratio)Drawing: 3:1; 4:1; 5:1; 7:1; 10:1



Unit: (mm)

Level 2(Ratio)Drawing: 15:1; 20:1; 25:1; 30:1; 35:1; 40:1; 50:1; 70:1; 100:1

Spur Gear Right Angle Circle Planetary Reducer for 80mm Servo motor 19mm shaft

