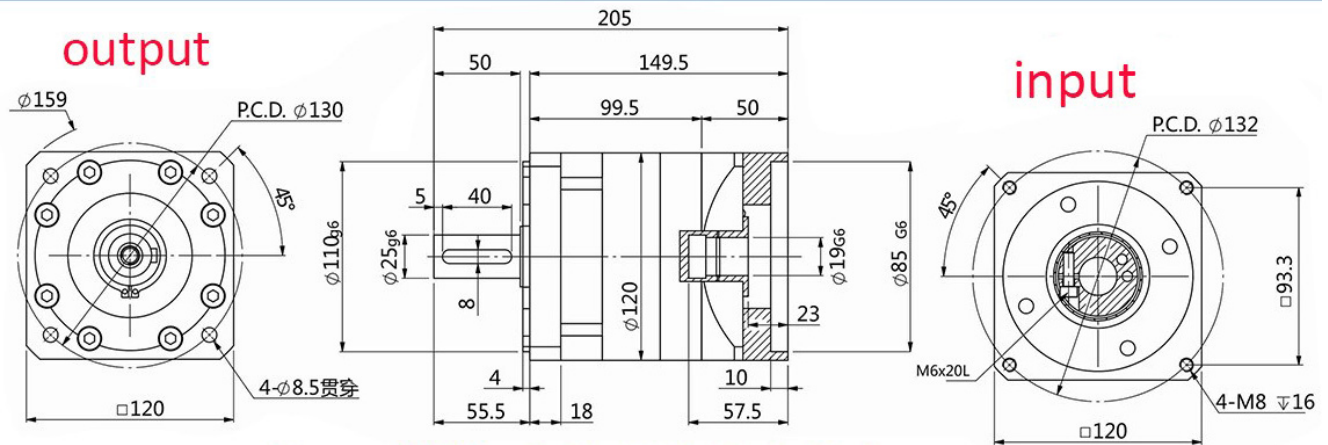


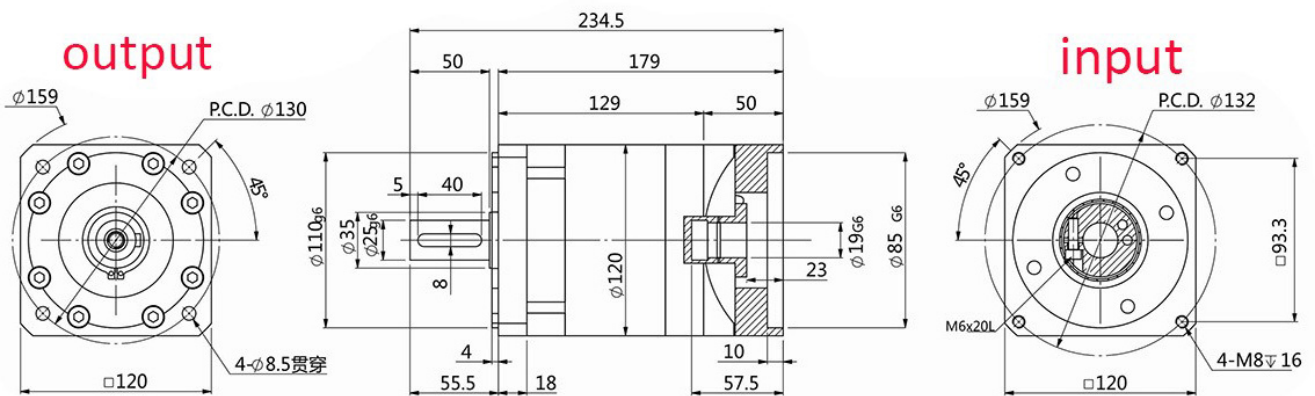
PLF120 Series Nema 42 Planetary Gearbox Ratio 3:1 - 100:1 Parameter

Straight Gear Planetary Reducer PLF120		
Technical Parameter	Unit	Value
Max. Output Torque	Nm	1.5 Times Rated Output Torque
Instant Braking Torque	Nm	2 Times Rated Output Torque
Max Radial Torque	N	1240
Max Axis Torque	N	1000
Torsional Stiffness	Nm/arcmin	11
Max Input Speed	rpm	6000
Rated Input Speed	rpm	3500
Noise	dB	≤65
Life time	h	20000
Full Load Efficiency	%	L1≥96%, L2≥94%
Backlash (L1)	arcmin	≤7
Backlash (L2)	arcmin	≤12
IP Degree	-	IP65
Operating Temp	°C	-10°C~+90°C
Rated Output Torque (Nm)		
Stage	Ratio	Rated Output Torque
L1	4:01	210
	5:01	210
	7:01	170
	10:01	86
L2	20:01	210
	25:01:00	210
	35:01:00	210
	40:01:00	210
	50:01:00	210
	70:01:00	170
	100:01:00	86
Moment of Inertia (Kg.cm ²)		
Stage	Ratio	Moment of Inertia
L1	4:01	12.78
	5:01	12.78
	7:01	11.38
	10:01	11.38
L2	20:01	12.18
	25:01:00	12.18
	35:01:00	12.18
	40:01:00	12.18
	50:01:00	12.18
	70:01:00	11.48
	100:01:00	11.48

19mm input for 3PH NEMA42 110mm Flange Stepper motor



Stage (L1): 3:1 4:1 5:1 7:1



Stage (L2): 15:1 20:1 25:1 35:1

40:1 50:1 70:1 100:1

