

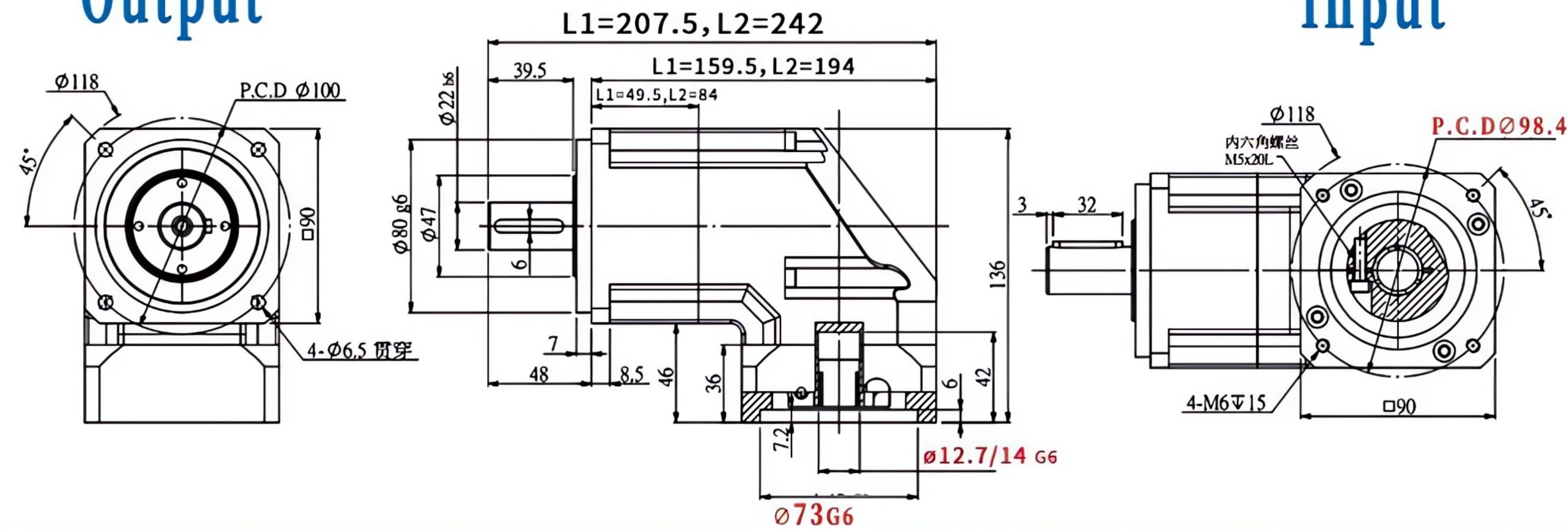
PLMG090 Gear Reducer Technical Parameters

Technical Parameter	Unit	Value
Max Radial Torque	N	3300
Max Axial Torque	N	1500
Torsional Stiffness	Nm/arcmin	12
Max Input Speed	rpm	6000
Rated Input Speed	rpm	3000
Noise	dB	≤66
Backlash (Stage 1)	arcmin	≤8
Backlash (Stage 2)	arcmin	≤10
Max. Output Torque	Nm	2 Times Rated Output Torque
Instant Braking Torque	Nm	3 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	105
	4:01	130
	5:01	130
	7:01	100
	10:01	75
	15:01	105
	20:01	130
Stage 2 (L2)	25:01:00	130
	30:01:00	105
	35:01:00	130
	40:01:00	130
	50:01:00	130
	70:01:00	100
	100:01:00	75
Moment of Inertia (Kg.cm²)		
Stage	Ratio	Moment of Inertia
Stage 1 (L1)	3:01	2.28
	4:01	2.28
	5:01	2.28
	7:01	2.28
	10:01	1.45
	15:01	2.28
	20:01	2.28
Stage 2 (L2)	25:01:00	2.28
	30:01:00	2.28
	40:01:00	2.28
	50:01:00	1.45
	70:01:00	1.45
	100:01:00	1.45

12.7/14mm Input for Nema34 86mm Flange Stepper Motor PLMG090

Output

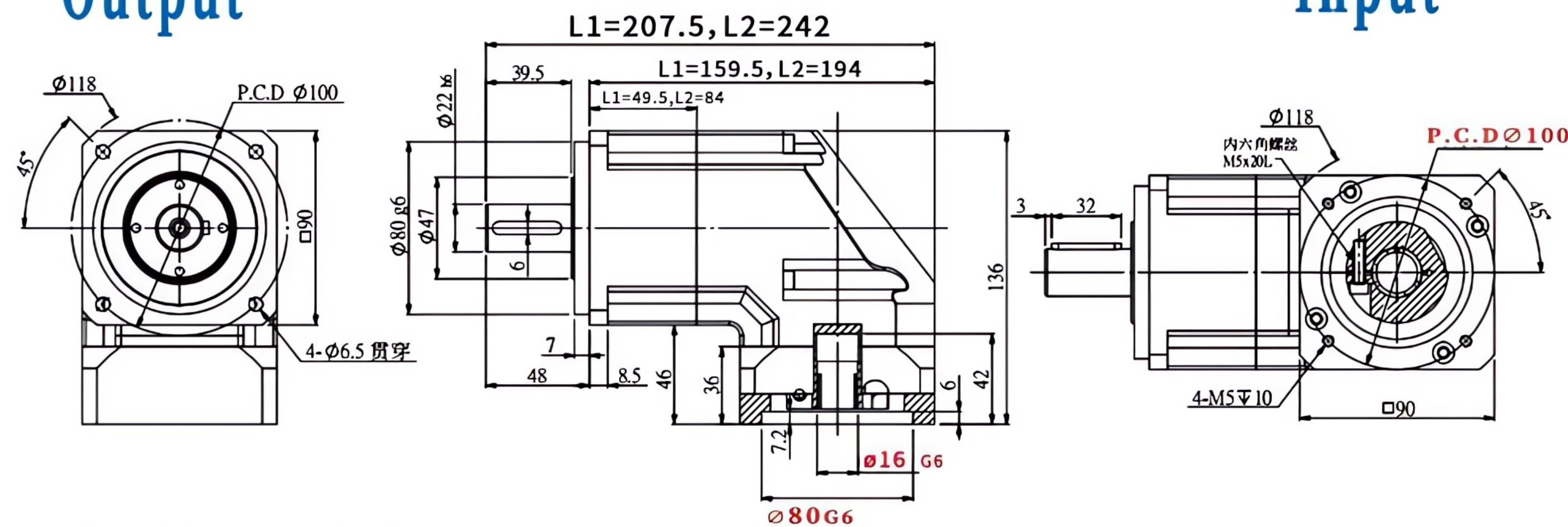
Input



16mm input for 90mm Flange 750w 1kw Servo Motor

Output

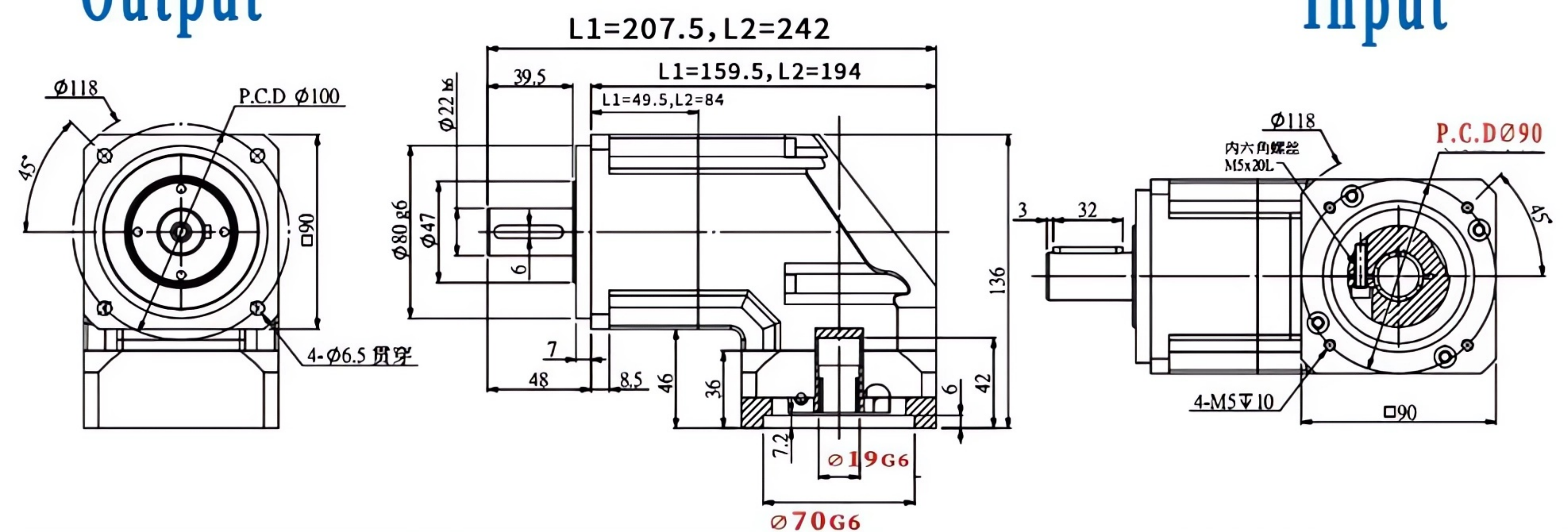
Input



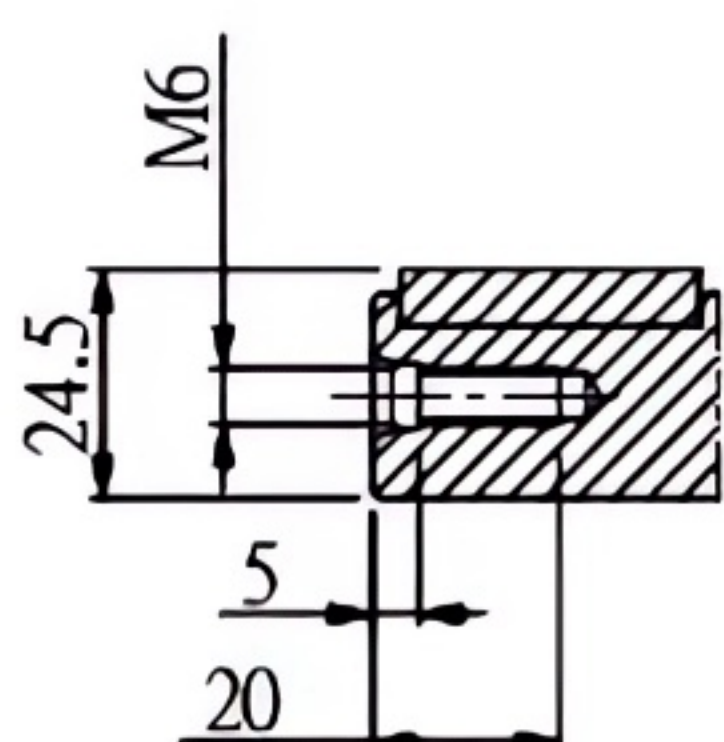
19mm Input for 90mm Flange 750W 1kW Servo Motor

Output

Input



Output Shaft



Speed Ratio :

1 Stage (L1): 3:1 / 4:1 / 5:1 / 7:1 / 10:1 / 20:1

2 Stage (L2): 25:1 / 30:1 / 40:1 / 50:1 / 70:1 / 100:1