

PVF090 Series Right Angle Planetary Gearbox Parameter

PVF090 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	≤10
Backlash (Stage 2)	arcmin	≤15
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
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.cm ²)		
Stage	Ratio	Moment of Inertia
Stage 1 (L1)	3:01	1.73
	4:01	1.73
	5:01	1.73
	7:01	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
	100:01:00	1.25

