

Cyclical Tech

COMPANY INTRODUCTION



**AYZ ROBOTİK OTOMASYON
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Helical Gear Planetary Reducer



Model: PX Series Planetary Gear Reducer

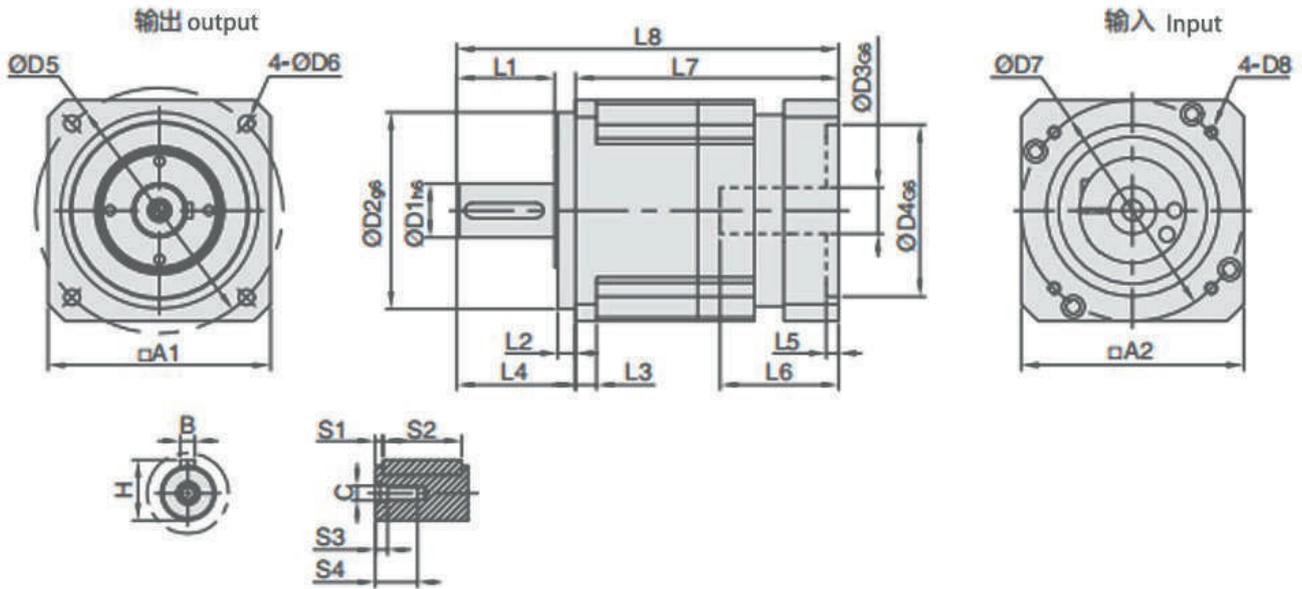
Characteristic:

- 1.Integrated structure,high precision,high rigidity
- 2.Double support cage planet carrier structure,high reliability, suitable for high-speed and frequent forward and reverse rotation
- 3.With axial clearance adjustment function
- 4.Keyway can be opened in the force shaft
- 5.The structure is scientific and can bear greater axial and radial forces
- 6.Helical transmission,drive more stable and carry capacity greater
- 7.Low backlash,more accurate positioning
- 8.Size range:42--180mm
- 9.Ratio range:3-100
- 10.Precision range:1-3arcmin (P1);3-5arcmin(P2)

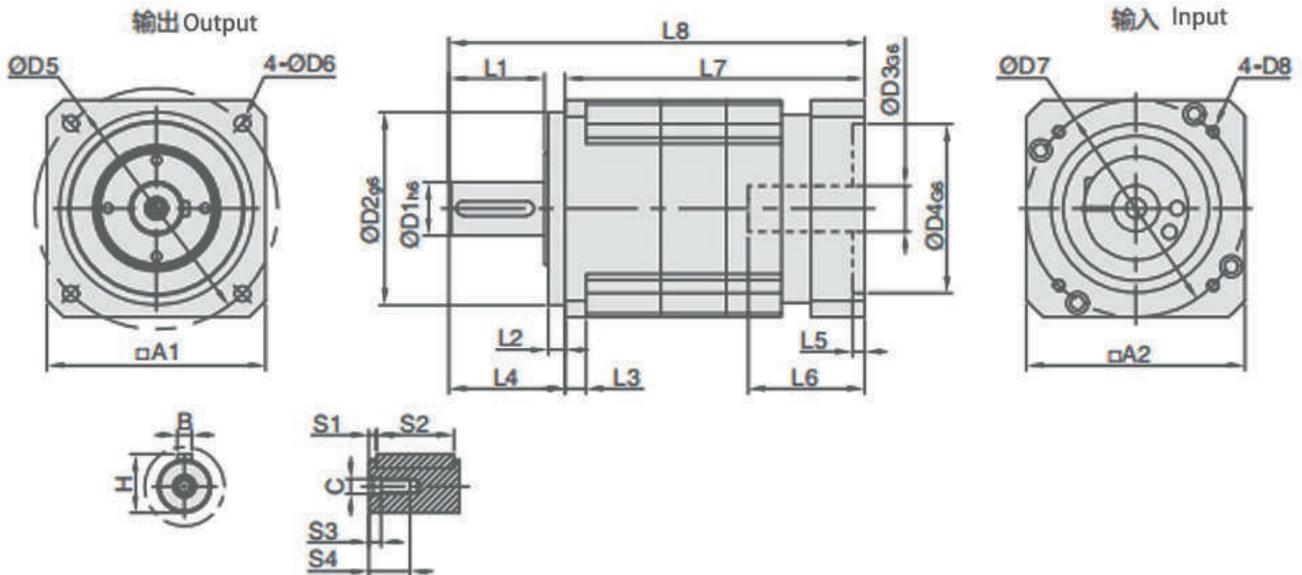
Model Selection:

Production series	Production size	Level	Ratio	Backlash	Output Model	Motor Size
PX	42,60,90,120	L1=1 Level	L1=3/4/5/7/8/10	P1=precision backlash	S1=Optic axis output	
		L2=2 Level	L2=15/20/35/40/50/70/100	P2=standard backlash	ON=Keyed Output	





Code 代号	PX-L1																										
机型 Model	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	L5	L6	L7	L8	A1	A2	S1	S2	S3	S4	B	H	C		
PX42-L1	13	35	8	30	50	3.5	46	M4	19.5	5.5	4	26	3.5	28	58.5	84.8	42.6	42.6	2	16	4	12	5	15	M4		
PX60-L1	16	50	14	50	70	5.5	70	M4	29	7	8	37	4	32	70.5	107.5	60	60	3	20	5	15	5	18	M5		
PX90-L1	22	80	19	70	100	6.5	90	M5	39.5	7	8.5	48	5	48	106.5	154.5	90	90	3	32	5	17	6	24.5	M6		
PX120-L1	32	110	22	110	130	8.5	145	M8	50	10	12	62	7	60	131.5	193.5	120	130	5	40	6	25	10	35	M12		
客户定制 Customized																											



Code 代号	PX-L2																										
机型 Model	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	L5	L6	L7	L8	A1	A2	S1	S2	S3	S4	B	H	C		
PX42-L2	13	35	8	30	50	3.5	46	M4	19.5	5.5	4	26	3.5	28	80	106	42.6	42.6	2	16	4	12	5	15	M4		
PX60-L2	16	50	14	50	70	5.5	70	M4	29	7	8	37	4	32	98	135	60	60	3	20	5	15	5	18	M5		
PX90-L2	22	80	19	70	100	6.5	90	M5	39.5	7	8.5	48	5	48	141	189	90	90	3	32	5	17	6	24.5	M6		
PX120-L2	32	110	22	110	130	8.5	145	M8	50	10	12	62	7	60	182.5	244.5	120	130	5	40	6	25	10	35	M12		
客户定制 Customized																											

技术参数			规格	PX42	PX60	PX90	PX120
最大扭矩 Max. Torque			Nm	1.5倍额定扭矩 1.5 times rated torque			
紧急制动扭矩 Emergency Stop Torque			Nm	2.5倍额定扭矩 2.5 times rated torque			
最大容许径向力 Max. Allowable Radial			N	780	1530	3250	6700
最大容许轴向力 Max. Allowable Axial			N	390	630	1300	3000
抗扭刚性 Torsional Rigidity			Nm/arcmin	2.5	6	12	23
最大输入转速 Max. Input Speed			rpm	8000	8000	8000	8000
额定输入转速 Rated Input Speed			rpm	4000	4000	3000	3000
噪音 Noise			dB	≤56	≤58	≤60	≤65
平均寿命 Average Life			h	20000			
满载效率 Efficiency of Full Load			%	L1≥95% L2≥90%			
回程 间隙 Return Backlash	P1	L1	arcmin	≤3	≤3	≤3	≤3
		L2	arcmin	≤5	≤5	≤5	≤5
	P2	L1	arcmin	≤5	≤5	≤5	≤5
		L2	arcmin	≤7	≤7	≤7	≤7
转动 惯量 Moment Of Inertia Table	L1	3	Kg.cm ²	/	0.16	0.61	3.25
		4	Kg.cm ²	0.03	0.14	0.48	2.74
		5	Kg.cm ²	0.03	0.13	0.47	2.71
		7	Kg.cm ²	0.03	0.13	0.45	2.62
		8	Kg.cm ²	0.03	0.13	0.45	2.60
		10	Kg.cm ²	0.03	0.13	0.40	2.57
	L2	12	Kg.cm ²	/	0.13	0.45	0.45
		15	Kg.cm ²	/	0.13	0.45	0.45
		20	Kg.cm ²	0.03	0.13	0.45	0.45
		25	Kg.cm ²	0.03	0.13	0.45	0.40
		28	Kg.cm ²	0.03	0.13	0.45	0.45
		30	Kg.cm ²	/	0.13	0.45	0.45
		35	Kg.cm ²	0.03	0.13	0.40	0.40
		40	Kg.cm ²	0.03	0.13	0.45	0.45
L2	50	Kg.cm ²	0.03	0.13	0.40	0.40	
	70	Kg.cm ²	0.03	0.13	0.40	0.40	
L2	100	Kg.cm ²	0.03	0.13	0.40	0.40	

Specifications 规格 技术参数 Technial Parameter			PX42	PX60	PX90	PX120		
	级数 Level	速比 Ratio						
额定扭矩 (Nm) T_N Rated Torque	L1	3	/	40	105	165		
		4	17	45	130	230		
		5	15	45	130	230		
		7	12	45	100	220		
		8	/	40	90	200		
		10	10	30	75	175		
	L2	12	/	40	105	165		
		15	/	40	105	165		
		20	17	45	130	230		
		25	15	45	130	230		
		28	17	45	130	230		
		30	/	40	105	165		
		35	15	45	130	230		
		40	17	45	130	230		
		50	15	45	130	230		
		70	12	45	100	220		
		100	10	30	75	175		
		防护等级 Degree Of Protection		IP65				
		工作温度 Operation Temp		90°C to -10°C				
		重量 (kg) Weight	L1	0.5	1.25	3.75	8.5	
L2	0.8		1.75	5.1	12			

Helical Gear Planetary Reducer



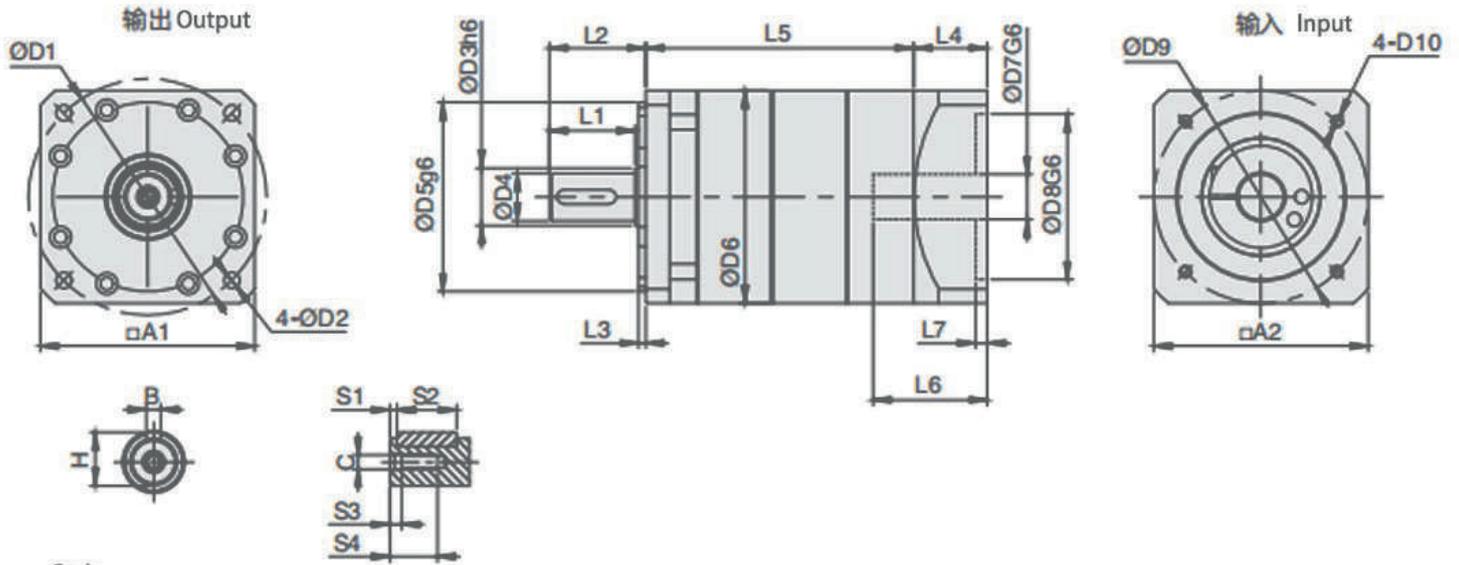
Model: PW Series Planetary Gear Reducer

Characteristic:

1. Split design, more output options
2. The input and output dimensions can be seamlessly switched with the straight tooth series
3. The double support cage planet carrier has high reliability and is suitable for high-speed and frequent forward and reverse rotation
4. The design of double-stage single support support has high cost performance
5. Keyway can be opened for the force shaft
6. Helical gear transmission is more stable and has large bearing capacity
7. Accurate positioning of low return clearance
8. Specification range: 60-120mm
9. Speed ratio range: 3-100
10. Accuracy range: 1-3 arcmin (P1); 3-5 arcmin (P2)

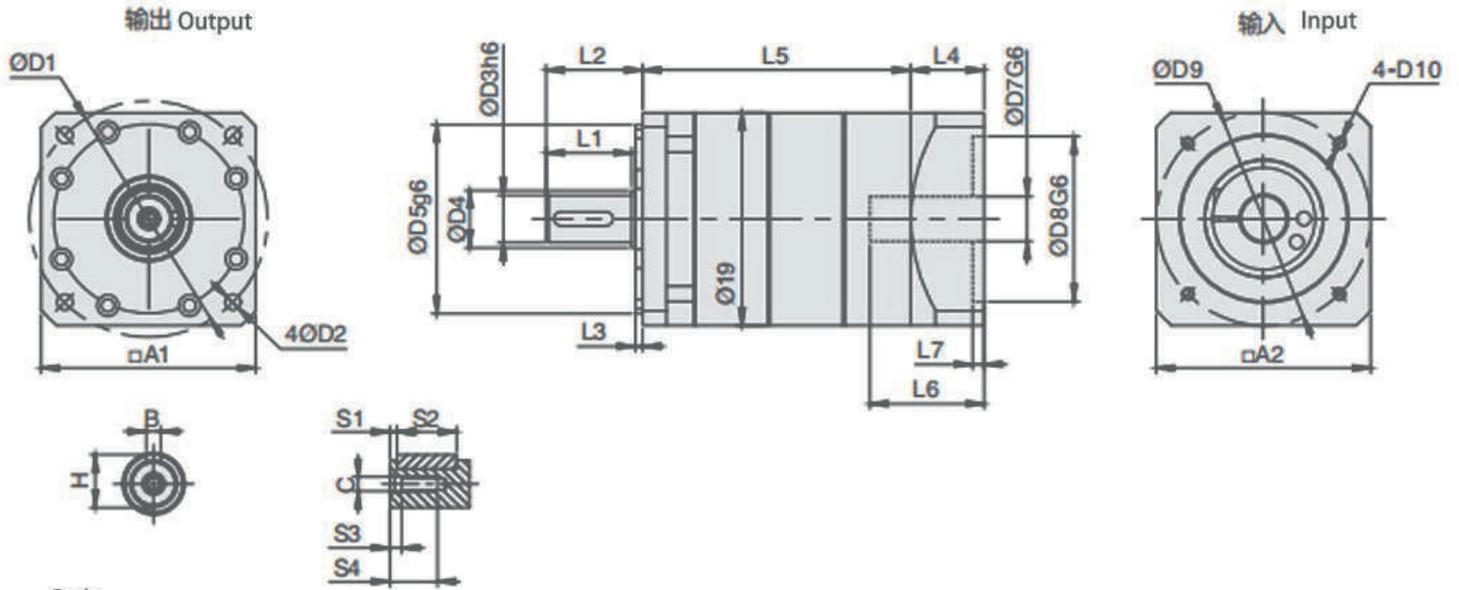
Model Selection:

Production series	Production size	Level	Ratio	Backlash	Output Model	Motor Size
PW	60/90/120	L1=1 Level L2=2 Level	L1=3/4/5/7/8/10 L2=12/15/20/25/28/30/35/ 40/50/70/100	P1=precision backlash P2=standard backlash	S1=Optic axis output ON=Keyed Output	



Code

代号	PW-L1																										
Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	S1	S2	S3	S4	B	H	C	
PW60-L1	70	5.5	14	17.1	50	60	14	50	70	M4	28.5	34	3	22	59	32	5	60	60	2.5	25	5	18	5	16	M5	
PW90-L1	100	6.5	20	24.3	80	90	19	70	90	M5	36	40.5	3	31	81	48	6	90	90	3	25	5	20	6	22.5	M6	
PW120-L1	130	9	25	34.8	110	120	22	110	145	M8	47	55	4	42	96	61	7	120	120	5	40	5	15	8	28	M12	
客户定制 Customized																											



Code

代号	PW-L2																										
Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	S1	S2	S3	S4	B	H	C	
PW60-L2	70	5.5	14	17.1	50	60	14	50	70	M4	28.5	34	3	22	83.5	32	5	60	60	2.5	25	5	18	5	16	M5	
PW90-L2	100	6.5	20	24.3	80	90	19	70	90	M5	36	40.5	3	31	112.5	48	6	90	90	3	25	5	20	6	22.5	M6	
PW120-L2	130	9	25	34.8	110	120	22	110	145	M8	47	55	4	42	137.5	61	7	120	120	5	40	5	15	8	28	M12	
客户定制 Customized																											

技术参数 Technical Parameter			规格 Specifications		PW60	PW90	PW120
最大转矩 Max. Torque			Nm	1.5倍额定扭矩 1.5 times rated torque			
紧急制动扭矩 Emergency Stop Torque			Nm	2.5倍额定扭矩 2.5 times rated torque			
最大容许径向力 Max. Allowable Radial			N	1350	3100	6100	
最大容许轴向力 Max. Allowable Axial			N	630	1300	2800	
抗扭刚性 Torsional Rigidity			Nm/arcmin	5	10	20	
最大输入转速 Max. Input Speed			rpm	8000	6000	6000	
额定输入转速 Rated Input Speed			rpm	4000	3000	3000	
噪音 Noise			dB	≤58	≤60	≤65	
平均寿命 Average Life			h	20000			
满载效率 Efficiency of Full Load			%	L1≥95% L2≥92%			
回程 间隙 Return Backlash	P1	L1	arcmin	≤3	≤3	≤3	
		L2	arcmin	≤5	≤5	≤5	
	P2	L1	arcmin	≤5	≤5	≤5	
		L2	arcmin	≤7	≤7	≤7	
转动 惯量 Moment Of Inertia Table	L1	3	Kg.cm ²	0.16	0.61	3.25	
		4	Kg.cm ²	0.14	0.48	2.74	
		5	Kg.cm ²	0.13	0.47	2.71	
		7	Kg.cm ²	0.13	0.45	2.62	
		8	Kg.cm ²	0.13	0.45	2.62	
		10	Kg.cm ²	0.13	0.40	2.57	
	L2	12	Kg.cm ²	0.13	0.61	0.45	
		15	Kg.cm ²	0.13	0.61	0.45	
		20	Kg.cm ²	0.13	0.45	0.45	
		25	Kg.cm ²	0.13	0.40	0.40	
		28	Kg.cm ²	0.13	0.45	0.45	
		30	Kg.cm ²	0.13	0.61	0.45	
		35	Kg.cm ²	0.13	0.45	0.45	
		40	Kg.cm ²	0.13	0.45	0.45	
50	Kg.cm ²	0.13	0.40	0.40			
70	Kg.cm ²	0.13	0.40	0.40			
100	Kg.cm ²	0.13	0.40	0.40			

技术参数 Technial Parameter		Specifications规格		PW60	PW90	PW120	
	级数 Level	速比 Ratio					
额定扭矩 (Nm) T_N Rated Torque	L1	3	35	100	166		
		4	43	125	220		
		5	43	125	220		
		7	40	98	200		
		8	40	90	200		
		10	25	70	150		
	L2	12	35	/	165		
		15	35	100	165		
		20	43	125	220		
		25	43	125	220		
		28	43	125	220		
		30	35	100	165		
		35	43	125	210		
		40	43	125	210		
		50	43	125	210		
		70	40	98	200		
		100	25	70	150		
		防护等级 Degree Of Protection		IP65			
		工作温度 Operation Temp		90°C to -10°C			
重量 (kg) Weight	L1	1.2	2.8	7.6			
	L2	1.55	3.95	10.5			

Helical Gear Planetary Reducer



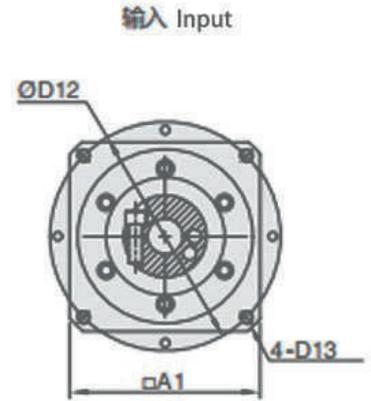
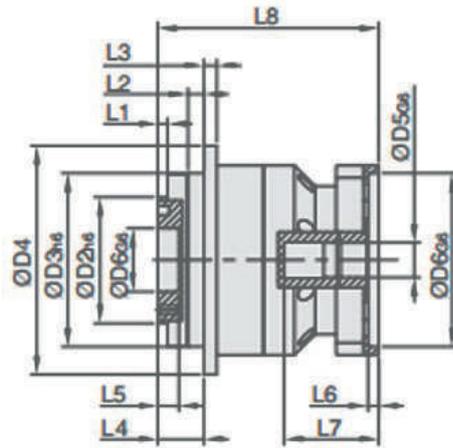
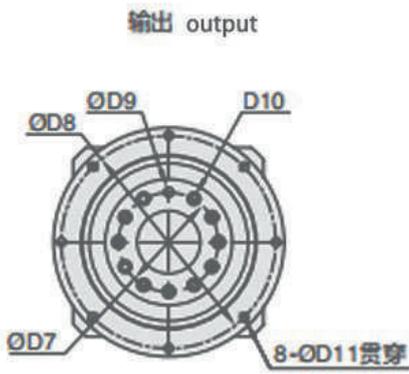
Model: PG Series Planetary Gear Reducer

Characteristic:

- 1.The unique flange output made can obtain greater installation freedom;
- 2.The fuselage size is shorter and the installation space requirement is low;
- 3.No axis double support case planet carrier structure,high reliable,suitable for high-speed frequent forward and reverse rotation;
- 4.With axial clearance adjustment function;
- 5.The rotating frame bearing can be switched. After changing into angular contact bearing, the bearing capacity of axial force and radial force is greatly improved;
- 6.Impact resistance, can adapt to high acceleration and deceleration conditions;
- 7.Helical gear transmission,low backlash,and carry capacity greater;
- 8.Size range:60--110mm;
- 9.Ratio range:3-100;
- 10.Precision range:1-3arcmin(P1);3-5arcmin(P2)

Model Selection:

Production series	Production size	Level	Ratio	Backlash	Output Model	Motor Size
PG	64/90/110	L1=1 Level L2=2 Level	L1=4/5/7/10 L2=16/20/25/28/35/40/50/70/100	P1=precision backlash P2=standard backlash	S1=Optic axis output ON=Keyed Output	



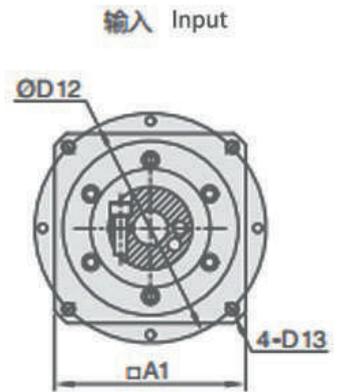
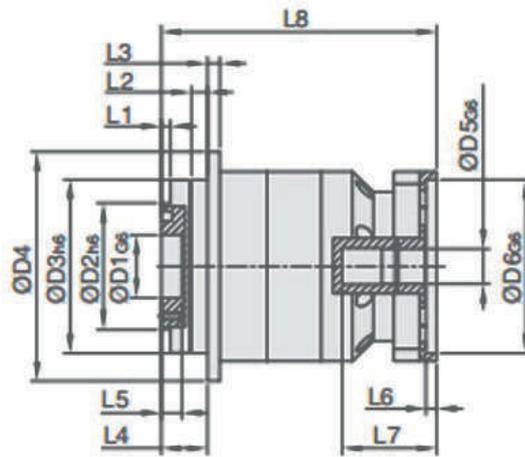
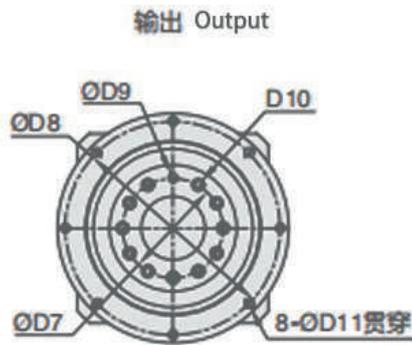
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代号

PG-L1

机型	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	L1	L2	L3	L4	L5	L6	L7	L8	A1
PG64-L1	20	40	64	86	14	50	31.5	79	七孔一销 5 7-M5		4.5	70	M4	3	7	4	19.5	8	4	32.5	81	60
PG90-L1	31.5	63	90	118	19	70	50	109	七孔一销 6 7-M6		5.5	90	M5	6	10	7	30	12	6	43	105.5	90
PG110-L1	40	80	110	145	22	110	63	135	十一孔一销 6 11-M6		5.5	145	M8	6	14.5	8	29	13	7	59.5	139	120

客户定制 Customized



Code

代号

PG-L2

机型	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	L1	L2	L3	L4	L5	L6	L7	L8	A1
PG64-L2	20	40	64	86	14	50	31.5	79	七孔一销 5 7-M5		4.5	70	M4	3	7	4	19.5	8	4	32.5	104.5	60
PG90-L2	31.5	63	90	118	19	70	50	109	七孔一销 6 7-M6		5.5	90	M5	6	10	7	30	12	6	43	135	90
PG110-L2	40	80	110	145	22	110	63	135	十一孔一销 6 11-M6		5.5	145	M8	6	14.5	8	29	13	7	59.5	173	120

客户定制 Customized

技术参数 Technical Parameter			规格	PG64	PG90	PG110	
			Specifications				
最大转矩 Max. Torque			Nm	3倍额定扭矩 3 times rated torque			
紧急制动扭矩 Emergency Stop Torque							
最大容许径向力 Max. Allowable Radial			N	2050	4100	8200	
最大容许轴向力 Max. Allowable Axial			N	513	1025	2050	
抗扭刚性 Torsional Rigidity			Nm/arcmin	13	31	82	
最大输入转速 Max. Input Speed			rpm	6000	6000	4500-6000	
额定输入转速 Rated Input Speed			rpm	4000	3000	3000	
噪音 Noise			dB	≤58	≤60	≤65	
平均寿命 Average Life			h	20000			
满载效率 Efficiency of Full Load			%	L1 ≥ 95% L2 ≥ 90%			
回程 间隙 Return Backlash		P1	L1	arcmin	≤3	≤3	≤3
			L2	arcmin	≤5	≤5	≤5
		P2	L1	arcmin	≤5	≤5	≤5
			L2	arcmin	≤8	≤8	≤8
转动 惯量 Moment Of Inertia Table		L1	4	Kg.cm ²	0.13	0.51	2.87
			5	Kg.cm ²	0.13	0.47	2.71
			7	Kg.cm ²	0.13	0.45	2.62
			10	Kg.cm ²	0.03	0.44	2.57
		L2	20	Kg.cm ²	0.03	0.23	0.47
			25	Kg.cm ²	0.03	0.23	0.47
			35	Kg.cm ²	0.03	0.23	0.47
			40	Kg.cm ²	0.03	0.23	0.47
			50	Kg.cm ²	0.03	0.20	0.44
			70	Kg.cm ²	0.03	0.20	0.44
			100	Kg.cm ²	0.03	0.20	0.44

技术参数 Technial Parameter		规格 Specifications		PG64	PG90	PG110
	级数 Level	速比 Ratio				
额定扭矩 (Nm) T_N Rated Torque	L1	4	40	120	220	
		5	40	125	260	
		7	40	125	260	
		10	35	80	160	
	L2	20	50	120	300	
		25	50	125	350	
		35	50	125	350	
		40	50	125	350	
		50	50	125	350	
		70	50	125	350	
		100	35	80	220	
	防护等级 Degree Of Protection		IP65			
	工作温度 Operation Temp		90°Cto-10°C			
重量 (kg) Weight	L1	1.3	3.4	7.1		
	L2	1.9	4.7	9.5		

Helical Gear Planetary Reducer



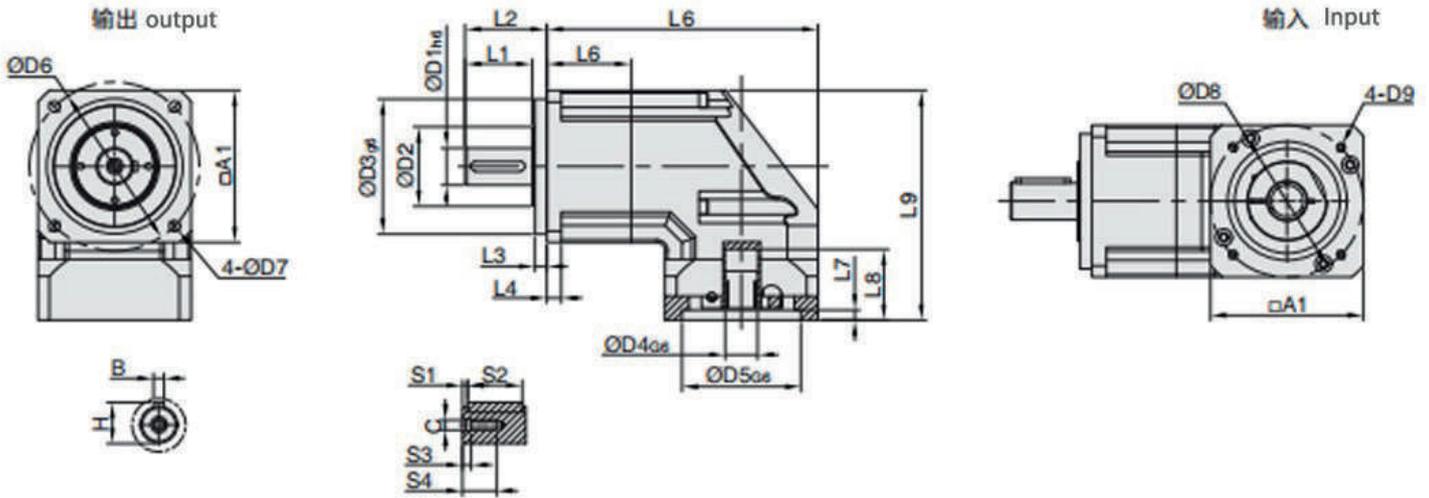
Model: PXR Series Planetary Gear Reducer

Characteristic:

- 1.Spiral bevel gear reversing mechanism to realize right angle steering output;
- 2.The installation distance of spiral bevel gear pair is adjustable and the working sound is lower;
- 3.Grinding bevel gear can be selected,and the working sound is more stable and quiet;
- 4.Integrated structure,high precision,high rigidity;
- 5.Double support case planet carrier structure,high reliable,suitable for high-speed frequent and reverse rotation;
- 6.With axial clearance adjustment function;
- 7.Collet type locking design,higher coaxiality of motor installtion;
- 8.Helical gear transmission ,low backlash,more accurate positioning;
- 9.Size range:42-120mm;
- 10.Ratio range:3-100;
- 11.Precision range:3-5arcmin (P1);5-8arcmin (P2)

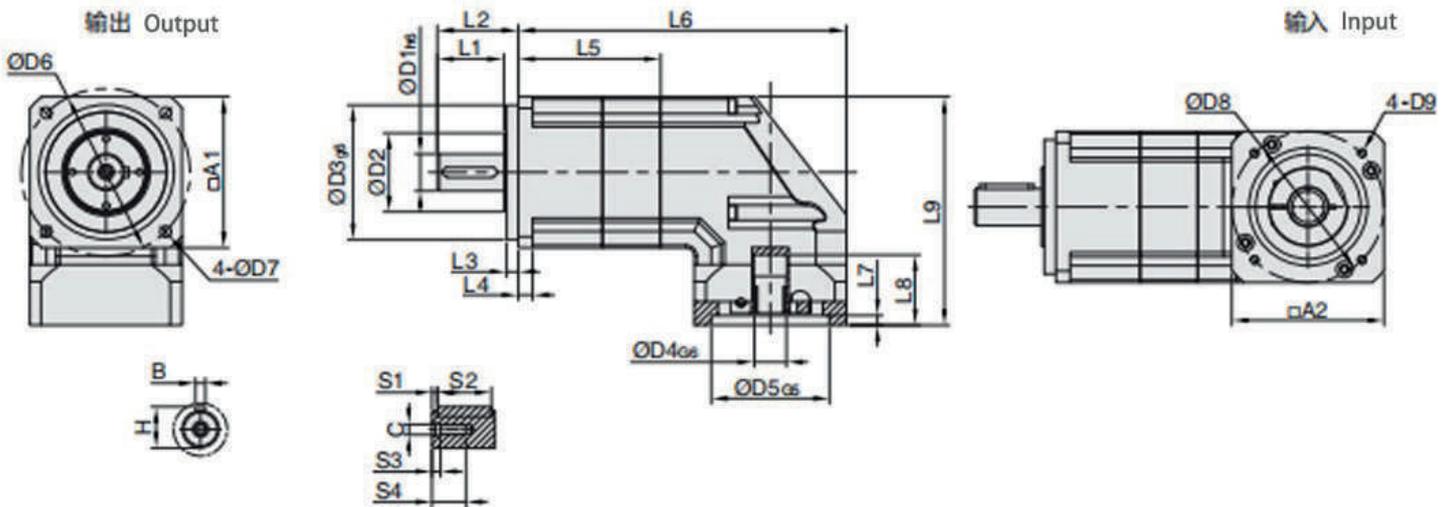
Model Selection:

Production series	Production size	Level	Ratio	Backlash	Output Model	Motor Size
PXR	42/60/90/120	L1=1 Level L2=2 Level	L1=3/4/5/7/8/10/14/20 L2=25/30/35/40/50/70/100	P1=precision backlash P2=standard backlash	S1=Optic axis output ON=Keyed Output	



Code

代号	PXR-L1																										
Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	A1	A2	S1	S2	S3	S4	B	H	C
PXR42-L1	13	19.5	35	8	30	50	3.5	46	M4	19.5	26	5.5	4	23.8	78.8	3.5	28	71.1	42.6	42.6	2	16	4	12	5	15	M4
PXR60-L1	16	28.9	50	14	50	70	5.5	70	M4	29	37	7	8	30.5	106.9	4	34	105	60	60	3	20	5	15	5	18	M5
PXR90-L1	22	48.5	80	19	70	100	6.5	90	M5	39.5	48	7	8.5	49.5	159.5	6	42	136	90	90	3	32	5	20	6	24.5	M6
PXR120-L1	32	58.6	110	22	110	130	8.5	145	M8	50	62	10	12	65	210	7	58	189.5	120	120	5	40	6	25	10	35	M12
客户定制 Customized																											



Code

代号	PXR-L2																										
Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	A1	A2	S1	S2	S3	S4	B	H	C
PXR42-L2	13	19.5	35	8	30	50	3.5	46	M4	19.5	26	5.5	4	45	100	3.5	28	71.1	42.6	42.6	2	16	4	12	5	15	M4
PXR60-L2	16	28.9	50	14	50	70	5.5	70	M4	29	37	7	8	58	134.4	4	34	105	60	60	3	20	5	15	5	18	M5
PXR90-L2	22	48.5	80	19	70	100	6.5	90	M5	39.5	48	7	8.5	84	194	6	42	136	90	90	3	32	5	20	6	24.5	M6
PXR120-L2	32	58.6	110	22	110	130	8.5	145	M8	50	62	10	12	116	261	7	58	189.5	120	120	5	40	6	25	10	35	M12
客户定制 Customized																											

技术参数 Technical Parameter		规格 Specifications		PXR42	PXR60	PXR90	PXR120
最大扭矩 Max. Torque		Nm		1.5倍额定扭矩 1.5 times rated torque			
紧急制动扭矩 Emergency Stop Torque		Nm		2.5倍额定扭矩 2.5 times rated torque			
最大容许径向力 Max. Allowable Radial		N		780	1530	3300	6700
最大容许轴向力 Max. Allowable Axial		N		390	600	1500	3000
抗扭刚性 Torsional Rigidity		Nm/arcmin		2.5	6	12	23
最大输入转速 Max. Input Speed		rpm		8000	8000	6000	6000
额定输入转速 Rated Input Speed		rpm		4000	4000	3000	3000
噪音 Noise		dB		≤56	≤64	≤66	≤66
平均寿命 Average Life		h		20000			
满载效率 Efficiency of Full Load		%		L1≥95% L2≥92%			
回程 间隙 Return Backlash	P1	L1	arcmin	≤3	≤5	≤5	≤5
		L2	arcmin	≤5	≤7	≤7	≤7
	P2	L1	arcmin	≤5	≤8	≤8	≤8
		L2	arcmin	≤7	≤10	≤10	≤10
转动 惯量 Moment Of Inertia Table	L1	3	Kg.cm ²	/	0.40	2.28	6.87
		4	Kg.cm ²	0.12	0.40	2.28	6.87
		5	Kg.cm ²	0.09	0.40	2.28	6.87
		7	Kg.cm ²	0.09	0.40	2.28	6.87
		8	Kg.cm ²	/	/	1.45	4.76
		10	Kg.cm ²	0.09	0.30	1.45	4.76
	L2	14	Kg.cm ²	/	0.40	2.28	6.87
		20	Kg.cm ²	/	0.40	2.28	6.87
		25	Kg.cm ²	0.09	0.40	2.28	6.87
		30	Kg.cm ²	/	0.40	2.28	6.87
		35	Kg.cm ²	0.09	0.40	2.28	6.87
		40	Kg.cm ²	0.09	0.40	2.28	6.87
		50	Kg.cm ²	0.09	0.30	1.45	4.76
		70	Kg.cm ²	0.09	0.30	1.45	4.76
100	Kg.cm ²	0.07	0.30	1.45	4.76		

Specifications 规格 技术参数 Technical Parameter			PXR42	PXR60	PXR90	PXR120
	级数 Level	速比 Ratio				
额定扭矩 (Nm) T_N Rated Torque	L1	3	/	40	105	165
		4	17	45	130	230
		5	15	45	130	230
		7	12	45	100	220
		8	/	40	90	200
		10	10	30	75	175
		14	/	45	100	220
		20	/	30	75	175
	L2	25	15	45	110	230
		30	/	40	105	165
		35	15	45	110	230
		40	17	45	110	230
		50	15	45	110	230
		70	12	45	100	220
		100	10	30	75	175
防护等级 Degree Of Protection		IP65				
工作温度 Operation Temp		90°C to -10°C				
重量 (kg) Weight	L1	0.7	2.05	6.45	13.7	
	L2	0.9	3.15	8.8	17.2	

Spur Gear Planetary Reducer



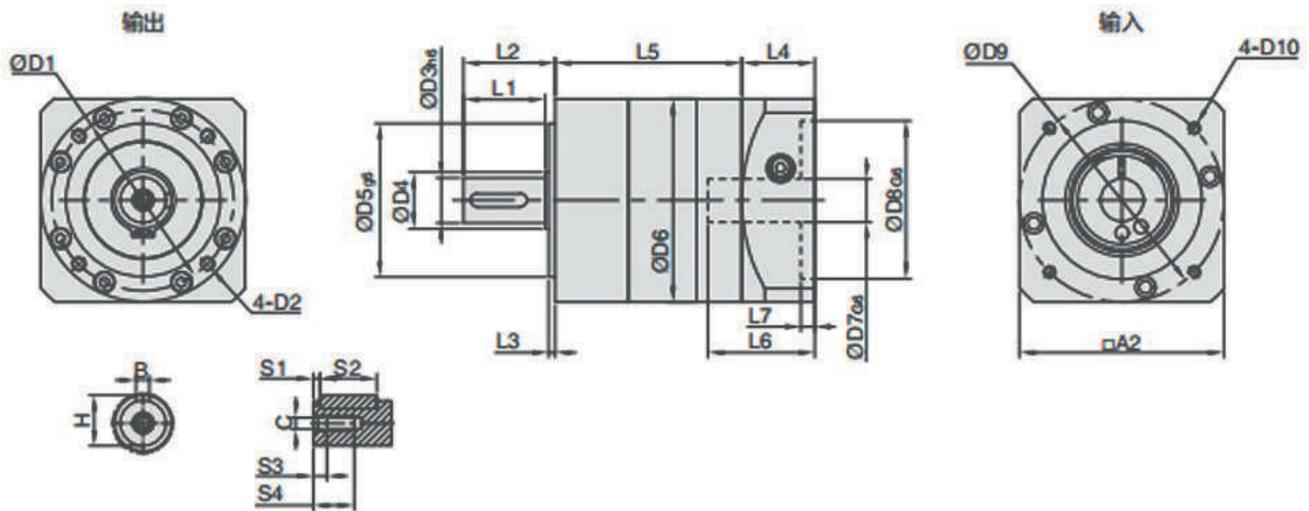
Model: PRL Series Planetary Gear Reducer

Characteristic:

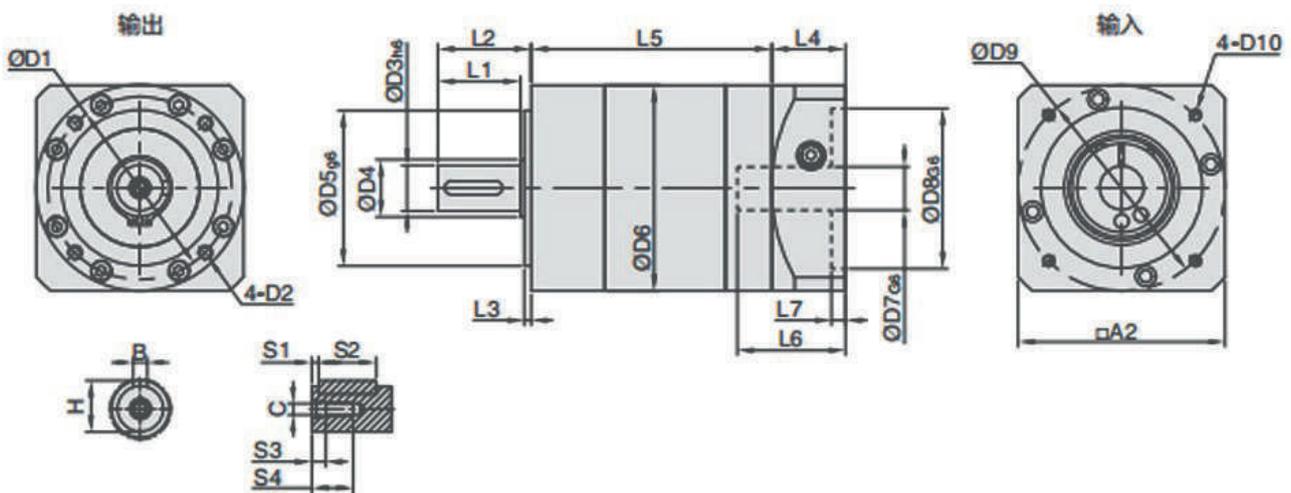
- 1.Circular flange output,threaded reverse connection,standard size;
- 2.The input specifications are complete and there are many choices;
- 3.Straight transmission,single cantilever structure,design simple,high cost performance;
- 4.Stable operation,low noise;
- 5.Keyway can be opened in the force shaft;
- 6.Size range:40-160mm;
- 7.Ratio range:3-100;
- 8.Precision range:8-16arcmin

Model Selection:

Production series	Production size	Level	Ratio	Backlash	Output Model	Motor Size
PRL	42/60/80/90/120/160	L1=1 Level L2=2 Level	L1=3/4/5/7/10 L2=12/15/16/20/25/28/30/35 /40/50/70/100	P1=precision backlash P2=standard backlash	S1=Optic axis output ON=Keyed Output	



代号	PRL-L1																										
机型	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A2	S1	S2	S3	S4	B	H	C		
PRL40-L1	34	M4	10	15	26	42	8	30	46	M4	23	26	2	20	42	27	3.5	42	2	16	3	9	3	11.2	M3		
PRL60-L1	52	M5	14	17	40	60	14	50	70	M4	30	35	3	21	56	31	4	60	3	20	5	18	5	16	M5		
PRL80-L1	70	M6	20	25	60	80	19	70	90	M5	36	40.5	3	38	60.5	42	5	80	4	25	6	18	6	22.5	M6		
PRL90-L1	80	M6	20	25	68	90	19	70	90	M5	36	40.5	3	32	77.5	47	6	90	3	25	6	18	6	22.5	M6		
PRL120-L1	100	M10	25	35	80	120	22	110	145	M8	50	55.5	4	50	96.5	57.5	10	120	5	40	8	25	8	28	M10		
PRL160-L1	145	M12	40	55	130	165	35	114.3	200	M12	80	87	5	62	132	86	10	176	5	65	8	36	12	43	M16		
客户定制																											



代号	PRL-L2																										
机型	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A2	S1	S2	S3	S4	B	H	C		
PRL40-L2	34	M4	10	15	26	42	8	30	46	M4	23	26	2	20	57	27	3.5	42	2	16	3	9	3	11.2	M3		
PRL60-L2	52	M5	14	17	40	60	14	50	70	M4	30	35	3	21	73.5	31	4	60	3	20	5	18	5	16	M5		
PRL80-L2	70	M6	20	25	60	80	19	70	90	M5	36	40.5	3	38	80.5	42	5	80	4	25	6	18	6	22.5	M6		
PRL90-L2	80	M6	20	25	68	90	19	70	90	M5	36	40.5	3	32	97.5	47	6	90	3	25	6	18	6	22.5	M6		
PRL120-L2	100	M10	25	35	80	120	22	110	145	M8	50	55.5	4	50	129	57.5	10	120	5	40	8	25	8	28	M10		
PRL160-L2	145	M12	40	55	130	165	35	114.3	200	M12	80	87	5	62	173	86	10	176	5	65	8	36	12	43	M16		
客户定制																											

技术参数 Technical Parameter			规格	PRL40	PRL60	PRL80	PRL90	PRL120	PRL160
			Specifications						
最大扭矩 Max. Torque			Nm	1.5倍额定扭矩 1.5 times rated torque					
紧急制动扭矩 Emergency Stop Torque			Nm	2倍额定扭矩 2.5 times rated torque					
最大容许径向力 Max. Allowable Radial			N	185	240	400	450	1240	2250
最大容许轴向力 Max. Allowable Axial			N	150	220	420	430	1000	1500
抗扭刚性 Torsional Rigidity			Nm/arcmin	0.7	1.8	4.7	4.85	11	35
最大输入转速 Max. Input Speed			rpm	8000	8000	6000	6000	6000	4000
额定输入转速 Rated Input Speed			rpm	4500	4000	3500	3500	3500	3000
噪音 Noise			dB	≤55	≤58	≤60	≤60	≤65	≤70
平均寿命 Average Life			h	20000					
满载效率 Efficiency of Full Load			%	L1 ≥96% L2 ≥94%					
回程 间隙 Return Backlash	P1	L1	arcmin	≤8	≤8	≤8	≤8	≤8	≤8
		L2	arcmin	≤12	≤12	≤12	≤12	≤12	≤12
	P2	L1	arcmin	≤16	≤16	≤16	≤16	≤16	≤16
		L2	arcmin	≤20	≤20	≤20	≤20	≤20	≤20
转动 惯量 Moment Of Inertia Table	L1	3	Kg.cm ²	0.10	0.46	0.77	1.73	12.78	36.72
		4	Kg.cm ²	0.10	0.46	0.77	1.73	12.78	36.72
		5	Kg.cm ²	0.10	0.46	0.77	1.73	12.78	36.72
		7	Kg.cm ²	0.06	0.41	0.65	1.42	11.38	34.02
		10	Kg.cm ²	0.06	0.41	0.65	1.42	11.38	34.02
	L2	12	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		15	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		16	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		20	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		25	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		28	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		30	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		35	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
		40	Kg.cm ²	0.08	0.44	0.72	1.49	12.18	34.24
50	Kg.cm ²	0.05	0.34	0.58	1.25	11.48	34.02		
70	Kg.cm ²	0.05	0.34	0.58	1.25	11.48	34.02		
100	Kg.cm ²	0.05	0.34	0.58	1.25	11.48	34.02		

Specifications 规格 技术参数 Technical Parameter		PRL40	PRL60	PRL80	PRL90	PRL120	PRL160		
	级数 Level	速比 Ratio							
额定扭矩 (Nm) T_N Rated Torque	L1	3	/	27	50	96	161	364	
		4	16	40	90	122	210	423	
		5	15	40	90	122	210	423	
		7	12	34	48	95	170	358	
		10	10	16	22	56	86	210	
	L2	12	/	27	50	96	161	364	
		15	/	27	50	96	161	364	
		16	16	40	90	122	210	423	
		20	16	40	90	122	210	423	
		25	15	40	90	122	210	423	
		28	16	40	90	122	210	423	
		30	/	27	50	96	161	364	
		35	12	40	90	122	210	423	
		40	16	40	90	122	210	423	
		50	15	40	90	122	210	423	
		70	12	34	48	95	170	358	
		100	10	16	22	56	86	210	
		防护等级 Degree Of Protection		IP65					
		工作温度 Operation Temp		90°C to -10°C					
		重量 (kg) Weight	L1	0.43	0.95	2.27	3.06	6.93	15.5
L2	0.65		1.2	2.8	3.86	8.98	17		