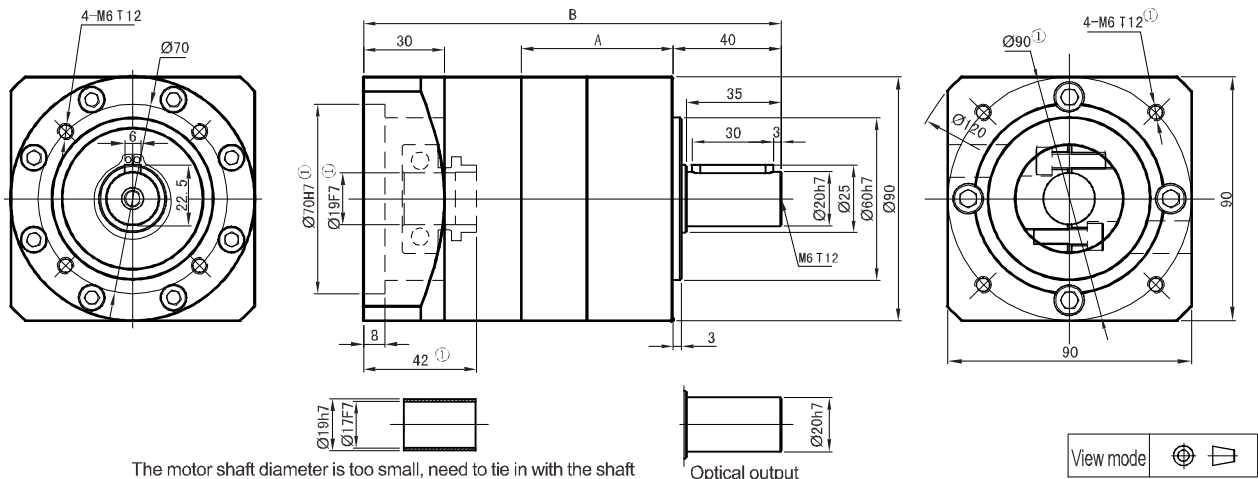


PLE090 Series

Mechanical Dimensions in mm



The motor shaft diameter is too small, need to tie in with the shaft sleeve installation, shaft sleeve minimum wall thickness of 1mm

Optical output



Technical Specifications

Stage	Stage 1 (Contains the speed ratio 3 4 5 7 10)		Stage 2 (Contains the speed ratio 12 16 20 25 28 35 40 50 70 100)				Stage 3 (Contains the speed ratio 80 100 125 140 175 200 250 350 400 500 700 1000)					
	A	B	A		B		A		B			
Length(mm)	56.0	154.5	80.0	178.5		104.0	202.5					
Rated input speed(rpm)	3500		3500				3500					
Maximum input speed(rpm)	6000		6000				6000					
The maximum radial force(N) ^②	1020		1270				1420					
The maximum axial force(N) ^②	850		1100				1250					
No load torque(Nm)	About 0.8		About 0.4				About 0.4					
Efficiency withfull load(%)	96		94				90					
Back lash(arcmin)	Precision: <3	Standard: <8	Precision: <5	Standard: <10		Precision: <8	Standard: <12					
Noise(dB)	≤62		≤62				≤62					
Weight(Kg)	2.8		3.4				4.0					
Average lifetime(h)	>20000											
Torsional rigidity(Nm/arcmin)	7.5											
lubricant	Effective lubrication											
direction of rotation	The input and output to the same											
Protection level	IP65											
Installation	arbitrarily											

Ratio(i)	3 ^①	4	5	7	10	12 ^①	16	20	25	28	35	40	50	70
Rated output torque(Nm)	60.0	86.0	94.5	64.0	39.5	96.0	96.0	96.0	105.5	96.0	105.5	96.0	105.5	71.5
maximum output torque(Nm)	120.0	172.0	189.0	128.0	79.0	192.0	192.0	192.0	211.0	192.0	211.0	192.0	211.0	143.0
Moment of inertia(Kgcm ²)	0.4	0.309	0.291	0.285	0.283	0.4	0.309	0.291	0.291	0.285	0.285	0.283	0.283	0.283

Ratio(i)	80	100 ^{Stage 2}	100 ^{Stage 3}	125	140	175	200	250	280	350	400	500	700	1000
Rated output torque(Nm)	120.0	44.0	120.0	132.0	120.0	132.0	120.0	132.0	120.0	132.0	44.0	132.0	89.5	55.0
maximum output torque(Nm)	240.0	88.0	240.0	264.0	240.0	264.0	240.0	264.0	240.0	264.0	88.0	264.0	179.0	110.0
Moment of inertia(Kgcm ²)	0.291	0.283	0.291	0.291	0.285	0.285	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283

Subscript 1. Motor is different, matching size will vary, the adapter will be different. Our reducer can be matched to fix with any motor.

Subscript 2. Acting on the output shaft center (1/2 axis strengths), permitted radial force and axial force (be forced at the same time), when the output speed of 1-Stage reducer is 100rpm, or 2-stage's output speed is 50rpm, or 3-stage's output speed is 10rpm.