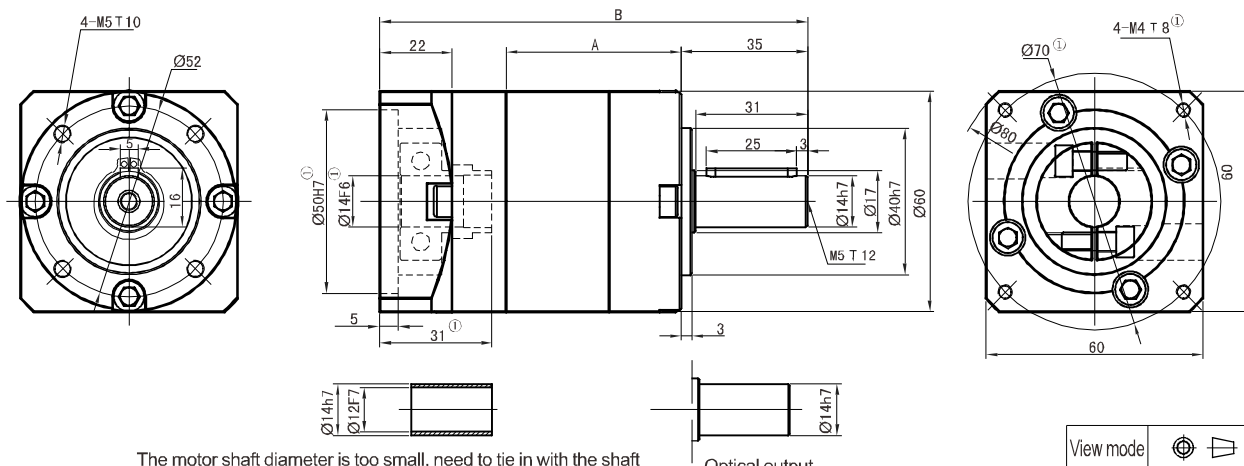


PLE060 Series

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 80 100 125 140 175 200 250 300 400 500 700 1000)	
	A	B	A	B	A	B
Length(mm)	46.5	118.5	63.0	135.0	79.5	151.5
Rated input speed(rpm)	4000		4000		4000	
Maximum input speed(rpm)	8000		8000		8000	
The maximum radial force(N) ^②	485		605		670	
The maximum axial force(N) ^②	380		490		550	
No load torque(Nm)	About 0.6		About 0.3		About 0.3	
Efficiency with full load(%)	96		94		90	
Back lash(arcmin)	Precision: <3	Standard: <8	Precision: <5	Standard: <10	Precision: <8	Standard: <12
Noise(dB)	≤58		≤58		≤58	
Weight(Kg)	1.0		1.3		1.6	
Average lifetime(h)	>20000					
Torsional rigidity(Nm/arcmin)	2.3					
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)	16.5	27.0	29.5	19.5	8.5	30.0	30.0	30.0	33.0	30.0	33.0	30.0	33.0	21.5
maximum output torque(Nm)	33.0	54.0	59.0	39.0	17.0	60.0	60.0	60.0	66.0	60.0	66.0	60.0	66.0	43.0
Moment of inertia(Kgcm ²)	0.107	0.094	0.092	0.091	0.091	0.107	0.094	0.092	0.092	0.091	0.091	0.091	0.091	0.091

Ratio(i)	80	100 ^{Stage 2}	100 ^{Stage 3}	125	140	175	200	250	280	350	400	500	700	1000
Rated output torque(Nm)	37.5	9.5	37.5	41.0	37.5	41.0	37.5	41.0	37.5	41.0	37.5	41.0	27.0	11.5
maximum output torque(Nm)	75.0	19.0	75.0	82.0	75.0	82.0	75.0	82.0	75.0	82.0	75.0	82.0	54.0	23.0
Moment of inertia(Kgcm ²)	0.092	0.091	0.092	0.092	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091

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.