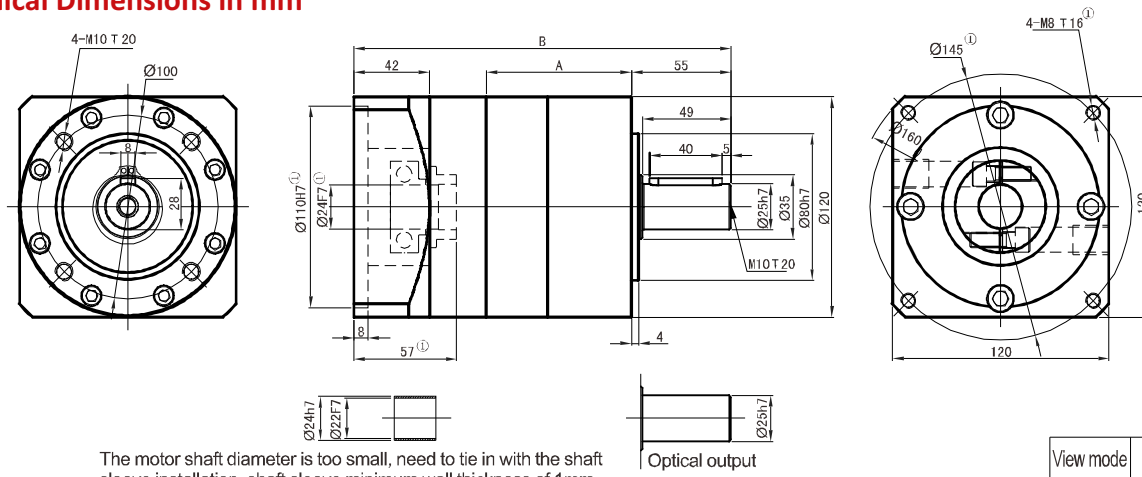


PLE120 Series

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

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	A	B	A	B			
Length(mm)	80.5	209.0	112.0	240.5	143.5	272.0							
Rated input speed(rpm)	3000		3000				3000						
Maximum input speed(rpm)	4800		4800				4800						
The maximum radial force(N) ^②	2230		2840				3020						
The maximum axial force(N) ^②	1550		2100				2600						
No load torque(Nm)	About 1.3		About 0.6				About 0.6						
Efficiency withfull load(%)	96		94				90						
Back lash(arcmin)	Precision: <3	Standard: <8	Precision: <5	Standard: <10	Precision: <8	Standard: <12							
Noise(dB)	≤65		≤65				≤65						
Weight(Kg)	6.8		8.8				11.0						
Average lifetime(h)	>20000												
Torsional rigidity(Nm/arcmin)	15.0												
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)	148.0	222.0	235.0	158.0	93.0	250.0	250.0	250.0	264.0	250.0	264.0	250.0	264.0	177.0
maximum output torque(Nm)	296.0	444.0	470.0	316.0	186.0	500.0	500.0	500.0	528.0	500.0	528.0	500.0	528.0	354.0
Moment of inertia(Kgcm ²)	1.65	1.22	1.15	1.13	1.11	1.65	1.22	1.15	1.15	1.13	1.13	1.11	1.11	1.11

Ratio(i)	80	100 ^②	100 ^③	125	140	175	200	250	280	350	400	500	700	1000
Rated output torque(Nm)	310.0	104.0	310.0	329.0	310.0	329.0	310.0	329.0	310.0	329.0	310.0	329.0	220.0	130.0
maximum output torque(Nm)	620.0	208.0	620.0	658.0	620.0	658.0	620.0	658.0	620.0	658.0	620.0	658.0	440.0	260.0
Moment of inertia(Kgcm ²)	1.15	1.11	1.15	1.15	1.13	1.13	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11

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.