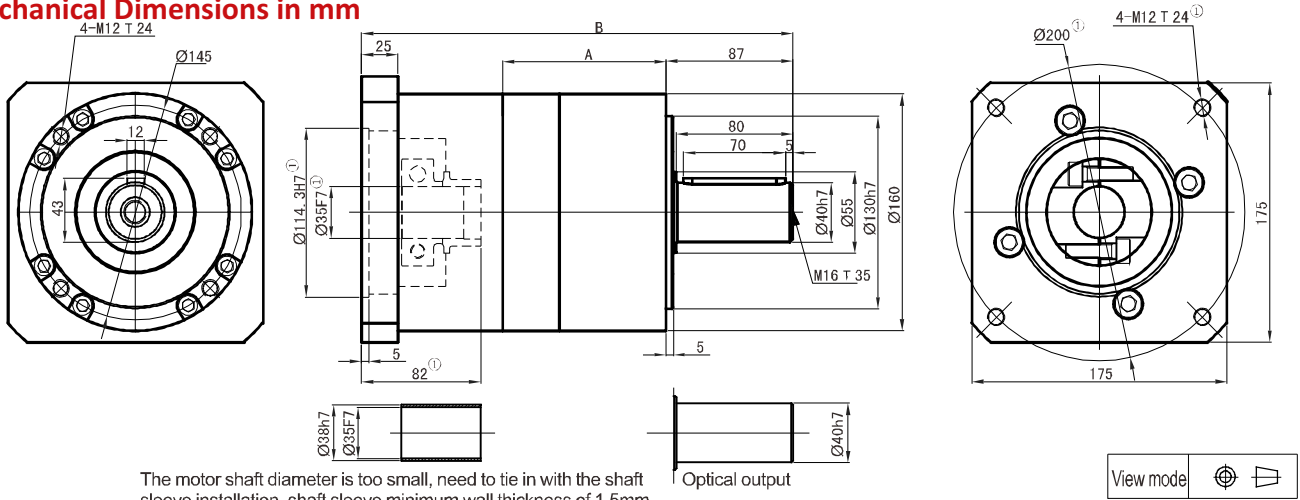


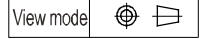
PLE160 Series

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 1.5mm

Optical output



Technical Specifications

Stage	Stage 1 (Contains the speed ratio 3 4 5 8)		Stage 2 (Contains the speed ratio 9 12 16 20 25 32 40 64)		Stage 3 (Contains the speed ratio 60 80 100 120 160 200 256 320 512)	
	A	B	A	B	A	B
Length(mm)	112.0	296.0	151.0	335.0	190.0	374.0
Rated input speed(rpm)	3000		3000		3000	
Maximum input speed(rpm)	4500		4500		4500	
The maximum radial force(N) ^②	2200		2700		4650	
The maximum axial force(N) ^②	2300		3000		6200	
No load torque(Nm)	About 3.2		About 2.1		About 2.1	
Efficiency with full load(%)	96		94		90	
Back lash(arcmin)	Precision: <3	Standard: <8	Precision: <5	Standard: <10	Precision: <8	Standard: <12
Noise(dB)	≤68		≤68		≤68	
Weight(Kg)	19.0		25.0		31.0	
Average lifetime(h)			>20000			
Torsional rigidity(Nm/arcmin)			27.0			
lubricant	Effective lubrication					
direction of rotation	The input and output to the same					
Protection level	IP65					
Installation	arbitrarily					

Ratio(i)	3	4	5	8	12	16	20	25	32	40	60	64	80	100
Rated output torque(Nm)	310.0	605.0	420.0	270.0	680.0	680.0	680.0	460.0	680.0	460.0	900.0	310.0	900.0	900.0
maximum output torque(Nm)	620.0	1210.0	840.0	540.0	1360.0	136.0	1360.0	920.0	1360.0	920.0	1800.0	620.0	1800.0	1800.0
Moment of inertia(Kgcm ²)	6.31	5.15	4.93	4.84	6.31	5.15	4.93	4.93	4.84	4.84	9.31	4.84	4.93	4.93

Ratio(i)	120	160	200	256	320	512								
Rated output torque(Nm)	580.0	900.0	580.0	900.0	580.0	400.0								
maximum output torque(Nm)	1160.0	1800.0	1160.0	1800.0	1160.0	800.0								
Moment of inertia(Kgcm ²)	4.84	4.84	4.84	4.84	4.84	4.84								

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.