
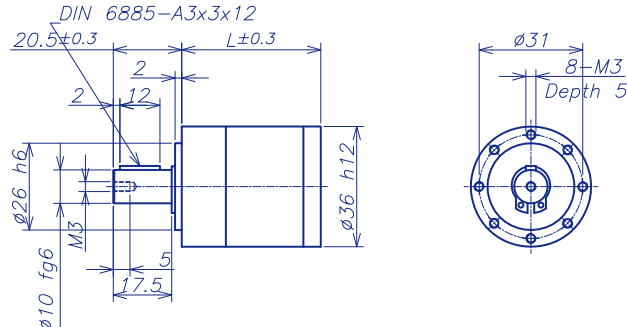
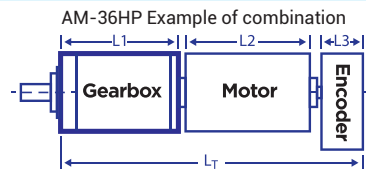


AM-36HP Series

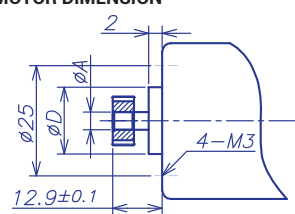



GEARBOX CHARACTER												
Gear type	Straight teeth				Radial Play (10mm from flange)				max 0.1mm			
Output shaft	Stainless steel hardened				Permissible force press fits				max. 150 N			
Main gear	Alloy steel hardened				Permissible axial load (dynamic)				max. 150N			
Ring gear	Stainless steel hardened				Recommended inut speed				10000RPM			
Adapter plate	Stainless steel				Operating temperature range				-40°C ~ +100°C			
Bearing AT output	Ball bearing				Operating humidity range				10-90%RH			
Axial play	0-0.3				Number of stages				1 2 3 4			
Directions	CW/CCW				Permissible load (14mm from flange)				220N 340N 370N 370N			
GEARBOX DATA												
Number of stage	1			2			3			4		
Reduction ratio X:1	3.5	4.3	6.0	12	36	43	91	216	150	353	756	1296
				15		53	113		186	394	936	
				19		66	126		230	441		
				21		74	156		257	488		
				26					285	546		
									319	676		
Reduction ratio absolute	7/2	13/3	6/1	49/4	36/1	343/8	91/1	216/1	2401/16	28561/81	756/1	1296/1
				91/6		637/12	338/3		4459/24	1183/3	936/1	
				169/9		1183/18	126/1		8281/36	441/1		
				21/1		147/2	156/1		1029/4	4394/9		
				26/1					15379/54	546/1		
									637/2	676/1		
Motor shaft max. diametre (mm)	6			4			6			4		
Gearbox lenght "L" (mm)	32.6			41.6			50.6			59.6		
Max. continuous torque (N.m)	3			5			10			10		
Max. intermittent torque (N.m)	4.5			7.5			15			15		
Average backlash no load	0.7°			0.8°			0.8°			0.8°		
Gearbox efficiency	90%			81%			73%			65%		
Max. mass inertia (g.cm ²)	3.34			3.25			3.24			3.24		
Gearbox weight approx (g)	240			300			360			420		
gearbox model	AM-36HPA-X			AM-36HPB-X			AM-36HPC-X			AM-36HPD-X		



AM-36HP Example of combination

INPUT GEARBOX DATA	
Modulus	0.5
Press angle	20°
Teeth number	12 18 24
Max gear hole "A"	4 6 6
Max motor shaft	4 6 6
Motor dimension "D"	8 11 13.5



MOTOR DIMENSION

GEARBOX MOTOR LENGTH "LT"			
Gear motor length L_T	122.3	121.3	161.6
Gear box length L_1	41.6	50.6	59.6
Motor length L_2	70	60	90
Encoder length L_3	10.7	10.7	12

Recommend Motor:

- Coreless Motor (w/E)
- AM-CL3570GAN
- AM-CL4071GAE
- Brushless Motor (w/E)
- AM-BL3260AN AM-BD3260AN
- AM-BL3270AN AM-BD3270AN
- AM-BL3660AN AM-BD3660AN
- AM-BL3675BF
- AM-BL3690BF

Recommend Encoder:

- Suitable for Coreless Motor
- Encoder S: AM-EN2211S***
- Encoder T: AM-EN2412T***

Suitable for Brushless Motor

- Encoder S: AM-EN2211S***
- Encoder T: AM-EN2412T***
- AM-EN3612T***

Download datasheet: <https://assunmotor.com/documents-download>

Visit Our Website and Online Shop at <https://assunmotor.com> Contact: info@assunmotor.com