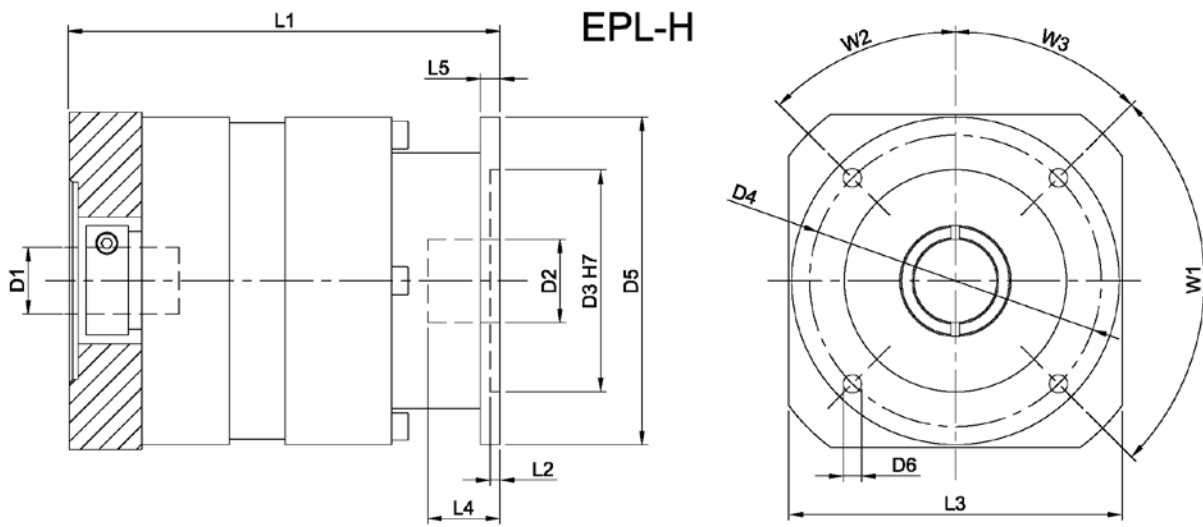




▶ EPL/RPL SERIES: EPL-H



EPL Series		64	84	118	
Stock Ratios		3, 5, 7, 10, 25, 50, 100 (Standard Input)			
All Ratios Available		1-stage: 3, 4, 5, 7, 10			
		2-stage: 12, 16, 20, 25, 35, 40, 50, 70, 100			
		3-stage: 120, 160, 200, 250, 350, 490, 700, 1000			
Nominal Output Torque (T_{2n})	Nm (lb-in)	3:1, 10:1, 100:1, 1000:1	14 (124)	40 (354)	100 (885)
		4:1, 5:1, 7:1	26 (230)	50 (443)	120 (1062)
		all other ratios	36 (319)	64 (566)	165 (1460)
Max Accel Output Torque (T_{2B})	Nm (lb-in)	3:1, 10:1, 100:1, 1000:1	25 (221)	60 (531)	150 (1328)
		4:1, 5:1, 7:1	40 (354)	75 (664)	180 (1593)
		all other ratios	44 (389)	75 (664)	180 (1593)
Nominal Input Speed (n_{1n})	RPM	-	3500	3000	3000
Max Input Speed (n_{1max})	RPM	-	6000	6000	6000
Standard Output Backlash (j)	arcmin	3:1 - 10:1	< 10	< 10	< 8
		12:1 - 100:1	< 15	< 14	< 12
		120:1 - 1000:1	< 20	< 18	< 16
Weight (m)	kg (lb)	1-stage	1.0 (2.2)	2.3 (5.1)	5.8 (12.8)
		2-stage	1.3 (2.9)	3.1 (6.8)	7.9 (17.4)
		3-stage	1.6 (3.5)	3.9 (8.6)	10.0 (22.1)
Noise Level (L_{pk})	dB (A)	-	< 66	< 68	< 70
Mass Moment of Inertia (J_1)	kg cm ² (lb-in ²)	3:1	0.176 (0.06)	0.542 (0.185)	2.54 (0.867)
		4:1	0.159 (0.054)	0.424 (0.145)	1.76 (0.601)
		5:1	0.15 (0.051)	0.379 (0.129)	1.48 (0.505)
		7:1, 10:1	0.138 (0.047)	0.332 (0.113)	1.14 (0.389)
		12:1 - 35:1	0.156 (0.053)	0.407 (0.139)	1.51 (0.515)
		40:1 - 1000:1	0.136 (0.046)	0.327 (0.112)	1.07 (0.365)
Efficiency at Load		1-stage: 92% 2-stage: 90% 3-stage: 88%			
Service Life		> 20,000 hours			
Lubrication		Mineral Grease EPO			
Protection Rating		IP 64			
Operating Temperature Range		-20°C to 90°C			



EPL Series		64		84		118	
		mm	(in)	mm	(in)	mm	(in)
D1 max standard*	motor shaft diameter	14	(0.551)	19	(0.748)	24	(0.945)
D1 max available*	motor shaft diameter	16	(0.63)	24	(0.945)	32	(1.26)
D2 max	output shaft diameter	16	(0.63)	20	(0.787)	30	(1.181)
D3 H7	pilot diameter	44	(1.732)	60	(2.362)	80	(3.15)
D4	bolt circle	55.5	(2.185)	73	(2.874)	105	(4.134)
D5	flange diameter	70	(2.756)	84	(3.307)	118	(4.646)
D6	mounting holes	5.5	(0.217)	5.5	(0.217)	6.6	(0.26)
L1 1-STAGE**	gearbox total length	98.5	(3.878)	122	(4.803)	155.5	(6.122)
L1 2-STAGE**		120.5	(4.744)	155	(6.102)	196	(7.717)
L1 3-STAGE**		142.5	(5.61)	188	(7.402)	236.5	(9.311)
L2	pilot depth	3.5	(0.138)	3.5	(0.138)	3.5	(0.138)
L3	flange size	70	(2.756)	90	(3.543)	120	(4.724)
L4	allowable shaft depth	28	(1.102)	30	(1.181)	27	(1.063)
L5	flange thickness	6	(0.236)	6	(0.236)	10	(0.394)
W1	bolt hole spacing	125°		4x 90°		4x 90°	
W2	hole angle 1	27.5°		67.5°		67.5°	
W3	hole angle 2	27.5°		22.5°		22.5°	

* for larger motor shaft diameters, please contact GAM ** depending on the motor, value can vary

TYPE CODES FOR EPL/RPL SERIES (EPL-H)

Example: EPL - H - 084 - 005 H - [115 - A01] - S111

Gearbox Series

EPL w/ Linear Mount
Output

Gearbox Style

H = Hollow Output Shaft

Gearbox Size

064, 084, 118

Ratio

3, 4, 5, 7, 10, 12, 16, 20, 25, 35, 40, 50, 70, 100,
120, 160, 200, 250, 350, 490, 700, 000 = 1000

Special Options

Assigned by GAM

Motor Mount Kit

Assigned by GAM

Options Available for This Product

H = No Keyways

Tolerances (mm)

Size	H7
Over 6	+0.015
Thru 10	0
Over 10	+0.018
Thru 18	0
Over 18	+0.021
Thru 30	0
Over 30	+0.025
Thru 50	0
Over 50	+0.030
Thru 80	0