

EJL SERIES Right-angle Worm

EJL 063 1-Stage Specifications

Frame Size	063						
Ratio	Unit	Note	5.2	7.25	10.25	14.5	19.5
Nominal Output Torque	[Nm]	*1	90	91	103	110	119
Maximum Acceleration Torque	[Nm]	*1	153	155	169	179	190
Emergency Stop Torque	[Nm]	--	497	497	497	497	497
No Load Running Torque	[Nm]	*2	2.51	1.76	1.81	1.15	1.08
Nominal Input Speed	[rpm]	*1	4,000				
Maximum Continuous Input Speed	[rpm]	*1	4,000				
Maximum Cyclic Input Speed	[rpm]	--	6,000				
Maximum Radial Load	[N]	*3	8,800				
Maximum Axial Load	[N]	*4	8,500				
Moment of Inertia	[kgcm ²]	--	1.6	0.9	0.8	0.69	0.55
Efficiency	[%]	*5	93	92	91	87	85
Torsional Rigidity	[Nm/arcmin]	--	36				
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 10				
Maximum Torsional Backlash (Low)	[Arc-min]	--	≤ 5				
Maximum Torsional Backlash (Precision)	[Arc-min]	--	≤ 1				
Noise Level	dB [A]	*6	70				
Ambient Temperature	[°C]	--	-30 to +40				
Permitted Housing Temperature	[°C]	--	+80				
Protection Class	--	--	IP65				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*7	14.5				

*1) Higher output torque is available at reduced speed. Contact us if you need to operate outside of these parameters

*2) Input torque with no load applied to the output shaft at 2,000 rpm

*3) The maximum radial load the gearbox can accept

*4) The maximum axial load the gearbox can accept

*5) The efficiency at the nominal output torque and input speed rating

*6) Measured with no load applied to the output shaft at 3,000 rpm and 1 meter distance

*7) Weight may vary slightly between models

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Frame Size	063					
Ratio	Unit	Note	30	45	60	90
Nominal Output Torque	[Nm]	*1	138	123	121	110
Maximum Acceleration Torque	[Nm]	*1	218	193	189	169
Emergency Stop Torque	[Nm]	--	497	403	404	368
No Load Running Torque	[Nm]	*2	1.10	1.02	1.15	1.18
Nominal Input Speed	[rpm]	*1	4,000			
Maximum Continuous Input Speed	[rpm]	*1	4,000			
Maximum Cyclic Input Speed	[rpm]	--	6,000			
Maximum Radial Load	[N]	*3	8,800			
Maximum Axial Load	[N]	*4	8,500			
Moment of Inertia	[kgcm ²]	--	0.59	0.5	0.47	0.32
Efficiency	[%]	*5	78	72	67	59
Torsional Rigidity	[Nm/arcmin]	--	36			
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 10			
Maximum Torsional Backlash (Low)	[Arc-min]	--	≤ 5			
Maximum Torsional Backlash (Precision)	[Arc-min]	--	≤ 1			
Noise Level	dB [A]	*6	70			
Ambient Temperature	[°C]	--	-30 to +40			
Permitted Housing Temperature	[°C]	--	+80			
Protection Class	--	--	IP65			
Lubrication	--	--	Synthetic Oil			
Service Life	[Hours]	--	25,000			
Weight	[kg]	*7	14.5			

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