

EJL 160 1-Stage Specifications

Frame Size	160							
Ratio	Unit	Note	5.125	7.2	10.25	15.25	20.5	
Nominal Output Torque	[Nm]	*1	1,648	1,569	1,650	1,443	1,856	
Maximum Acceleration Torque	[Nm]	*1	2,719	2,589	2,723	2,381	3,062	
Emergency Stop Torque	[Nm]	--	7,251	7,251	7,251	5,572	7,251	
No Load Running Torque	[Nm]	*2	7.20	6.35	5.64	4.82	4.26	
Nominal Input Speed	[rpm]	*1	2,000					
Maximum Continuous Input Speed	[rpm]	*1	4,000					
Maximum Cyclic Input Speed	[rpm]	--	6,000					
Maximum Radial Load	[N]	*3	34,100					
Maximum Axial Load	[N]	*4	34,000					
Moment of Inertia	[kgcm ²]	--	120	77	63	52.7	51.5	
Efficiency	[%]	*5	96	95	94	92	90	
Torsional Rigidity	[Nm/arcmin]	--	350					
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 5					
Maximum Torsional Backlash (Precision)	[Arc-min]	--	≤ 0.5					
Noise Level	dB [A]	*6	80					
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	172.3					

*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	160					
Ratio	Unit	Note	29.5	45	60	90
Nominal Output Torque	[Nm]	*1	1,535	2,211	1,723	1,489
Maximum Acceleration Torque	[Nm]	*1	2,533	3,648	2,843	2,457
Emergency Stop Torque	[Nm]	--	6,571	7,251	6,331	4,933
No Load Running Torque	[Nm]	*2	4.35	3.41	4.00	4.11
Nominal Input Speed	[rpm]	*1	2,000			
Maximum Continuous Input Speed	[rpm]	*1	4,000			
Maximum Cyclic Input Speed	[rpm]	--	6,000			
Maximum Radial Load	[N]	*3	34,100			
Maximum Axial Load	[N]	*4	34,000			
Moment of Inertia	[kgcm ²]	--	52.8	46.5	40	38
Efficiency	[%]	*5	86	81	76	67
Torsional Rigidity	[Nm/arcmin]	--	350			
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 5			
Maximum Torsional Backlash (Precision)	[Arc-min]	--	≤ 0.5			
Noise Level	dB [A]	*6	80			
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	172.3			

*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