

EJL 200 1-Stage Specifications

Frame Size	200						
Ratio	Unit	Note	5.125	7.2	10.25	15.25	20.5
Nominal Output Torque	[Nm]	*1	2,954	3,042	2,946	2,540	3,538
Maximum Acceleration Torque	[Nm]	*1	4,874	5,019	4,861	4,191	5,838
Emergency Stop Torque	[Nm]	--	12,826	12,826	12,826	12,448	12,826
No Load Running Torque	[Nm]	*2	10.80	9.52	8.46	7.23	6.39
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	71,700				
Maximum Axial Load	[N]	*4	71,000				
Moment of Inertia	[kgcm ²]	--	287	177	143	102	96
Efficiency	[%]	*5	96	96	95	93	91
Torsional Rigidity	[Nm/arcmin]	--	600				
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	369.68				

*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	200					
Ratio	Unit	Note	29.5	45	60	90
Nominal Output Torque	[Nm]	*1	2,925	3,788	3,159	2,641
Maximum Acceleration Torque	[Nm]	*1	4,826	6,250	5,212	4,358
Emergency Stop Torque	[Nm]	--	12,277	12,826	11,674	9,323
No Load Running Torque	[Nm]	*2	6.52	5.11	5.99	6.17
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	71,700			
Maximum Axial Load	[N]	*4	71,000			
Moment of Inertia	[kgcm ²]	--	99	82.5	71	69
Efficiency	[%]	*5	87	83	77	69
Torsional Rigidity	[Nm/arcmin]	--	600			
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	369.68			

*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