

EJM SERIES Right-angle Worm

EJM 009 1-Stage Specifications

Frame Size	009						
Stage	1-Stage						
Ratio	Unit	Note	5	7.5	10	15	20
Nominal Output Torque	[Nm]	--	245	262	259	305	314
Maximum Acceleration Torque	[Nm]	--	317	333	259	312	386
Emergency Stop Torque	[Nm]	--	490	524	518	610	628
No Load Running Torque	[Nm]	*1	4.80				
Nominal Input Speed	[rpm]	--	2,000				
Maximum Continuous Input Speed	[rpm]	--	2,000				
Maximum Cyclic Input Speed	[rpm]	--	3,000				
Maximum Radial Load	[N]	*2	6,890				
Maximum Axial Load	[N]	*3	4,890				
Moment of Inertia	[kgcm ²]	--	12.4	10.5	9.87	9.40	9.24
Efficiency	[%]	*4	93	92	91	89	86
Torsional Rigidity	[Nm/arcmin]	--	15.5				
Maximum Torsional Backlash	[Arc-min]	--	≤ 15				
Noise Level	[dBA]	*5	≤ 83				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	20				

*1) Torque at no load applied to the input shaft at 2,000 rpm

*2) The maximum radial load the gearbox can accept

*3) The maximum axial load the gearbox can accept

*4) The efficiency at the nominal output torque rating

*5) Measured with no load applied to the input shaft at 2,000 rpm

*6) Weight may vary slightly between models

EJM 009 1-Stage Specifications

Frame Size	009						
Stage	1-Stage						
Ratio	Unit	Note	25	30	40	50	60
Nominal Output Torque	[Nm]	--	308	327	295	278	264
Maximum Acceleration Torque	[Nm]	--	376	369	356	335	317
Emergency Stop Torque	[Nm]	--	616	654	590	556	528
No Load Running Torque	[Nm]	*1	4.80				
Nominal Input Speed	[rpm]	--	2,000				
Maximum Continuous Input Speed	[rpm]	--	2,000				
Maximum Cyclic Input Speed	[rpm]	--	3,000				
Maximum Radial Load	[N]	*2	6,890				
Maximum Axial Load	[N]	*3	4,890				
Moment of Inertia	[kgcm ²]	--	9.17	9.12	9.08	9.07	9.06
Efficiency	[%]	*4	83	81	76	71	66
Torsional Rigidity	[Nm/arcmin]	--	15.5				
Maximum Torsional Backlash	[Arc-min]	--	≤ 15				
Noise Level	[dBA]	*5	≤ 83				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	20				

*1) Torque at no load applied to the input shaft at 2,000 rpm

*2) The maximum radial load the gearbox can accept

*3) The maximum axial load the gearbox can accept

*4) The efficiency at the nominal output torque rating

*5) Measured with no load applied to the input shaft at 2,000 rpm

*6) Weight may vary slightly between models