

# EJM SERIES Right-angle Worm

## EJM 011 1-Stage Specifications

Frame Size	011						
Stage	1-Stage						
Ratio	Unit	Note	5	7.5	10	15	20
Nominal Output Torque	[Nm]	--	374	398	395	469	485
Maximum Acceleration Torque	[Nm]	--	486	506	477	577	597
Emergency Stop Torque	[Nm]	--	748	796	790	938	970
No Load Running Torque	[Nm]	*1	5.83				
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	9,780				
Maximum Axial Load	[N]	*3	5,780				
Moment of Inertia	[kgcm <sup>2</sup> ]	--	25.3	19.8	17.9	16.5	16.0
Efficiency	[%]	*4	94	93	92	90	87
Torsional Rigidity	[Nm/arcmin]	--	28.4				
Maximum Torsional Backlash	[Arc-min]	--	≤ 12				
Noise Level	[dBA]	*5	≤ 85				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	30				

\*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 011 1-Stage Specifications

Frame Size	011						
Stage	1-Stage						
Ratio	Unit	Note	25	30	40	50	60
Nominal Output Torque	[Nm]	--	474	505	455	427	407
Maximum Acceleration Torque	[Nm]	--	580	614	551	514	489
Emergency Stop Torque	[Nm]	--	948	1010	910	854	814
No Load Running Torque	[Nm]	*1	5.83				
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	9,780				
Maximum Axial Load	[N]	*3	5,780				
Moment of Inertia	[kgcm <sup>2</sup> ]	--	15.8	15.7	15.6	15.5	15.5
Efficiency	[%]	*4	84	83	78	73	69
Torsional Rigidity	[Nm/arcmin]	--	28.4				
Maximum Torsional Backlash	[Arc-min]	--	≤ 12				
Noise Level	[dBA]	*5	≤ 85				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	30				

\*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