

EJH 035 1-Stage Specifications

Frame Size	035								
Stage	1-Stage								
Ratio	Unit	Note	5	6	7	8	9	10	15
Nominal Output Torque	[Nm]	--	341	381	404	430	442	456	475
Maximum Acceleration Torque	[Nm]	--	480	537	568	604	619	638	663
Emergency Stop Torque	[Nm]	--	2,423	2,644	2,731	2,845	2,864	2,889	2,885
No Load Running Torque	[Nm]	*1	4.20						
Nominal Input Speed	[rpm]	--	2,000						
Maximum Continuous Input Speed	[rpm]	--	4,000						
Maximum Cyclic Input Speed	[rpm]	--	4,000						
Maximum Radial Load	[N]	*2	15,560						
Maximum Axial Load	[N]	*3	4,000						
Moment of Inertia ($\leq \varnothing 19$)	[kgcm ²]	--	28.3	23.9	21.2	19.5	18.3	17.4	15.4
Moment of Inertia ($\leq \varnothing 28$)	[kgcm ²]	--	32.3	27.8	25.2	23.4	22.2	21.4	19.4
Moment of Inertia ($\leq \varnothing 38$)	[kgcm ²]	--	36.9	32.5	29.8	28.1	26.9	26.0	24.0
Efficiency	[%]	*4	91	91	91	90	90	89	87
Torsional Rigidity	[Nm/arcmin]	--	79.2						
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 15						
Maximum Torsional Backlash (Low)	[Arc-min]	--	≤ 6						
Noise Level	[dBA]	*5	≤ 83						
Ambient Temperature	[°C]	--	-25 ~ 100						
Permitted Housing Temperature	[°C]	--	100						
Protection Class	--	--	IP65						
Lubrication	--	--	Synthetic Oil						
Service Life	[Hours]	--	25,000						
Weight	[kg]	*6	53						

*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

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Frame Size	035							
Stage	1-Stage							
Ratio	Unit	Note	20	25	30	40	50	60
Nominal Output Torque	[Nm]	--	471	468	450	429	413	397
Maximum Acceleration Torque	[Nm]	--	649	649	622	593	571	548
Emergency Stop Torque	[Nm]	--	2,819	2,691	2,570	2,293	2,076	2,037
No Load Running Torque	[Nm]	*1	4.20					
Nominal Input Speed	[rpm]	--	2,000					
Maximum Continuous Input Speed	[rpm]	--	4,000					
Maximum Cyclic Input Speed	[rpm]	--	4,000					
Maximum Radial Load	[N]	*2	15,560					
Maximum Axial Load	[N]	*3	4,000					
Moment of Inertia (≤ Ø19)	[kgcm ²]	--	14.7	14.4	14.2	14.0	13.9	13.9
Moment of Inertia (≤ Ø28)	[kgcm ²]	--	18.7	18.3	18.1	18.0	17.9	17.8
Moment of Inertia (≤ Ø38)	[kgcm ²]	--	23.3	23.0	22.8	22.6	22.5	22.5
Efficiency	[%]	*4	84	83	79	75	72	69
Torsional Rigidity	[Nm/arcmin]	--	79.2					
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 15					
Maximum Torsional Backlash (Low)	[Arc-min]	--	≤ 6					
Noise Level	[dBA]	*5	≤ 83					
Ambient Temperature	[°C]	--	-25 ~ 100					
Permitted Housing Temperature	[°C]	--	100					
Protection Class	--	--	IP65					
Lubrication	--	--	Synthetic Oil					
Service Life	[Hours]	--	25,000					
Weight	[kg]	*6	53					

*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