

## EJH 030 1-Stage Specifications

Frame Size	030								
Stage	1-Stage								
Ratio	Unit	Note	5	6	7	8	9	10	15
Nominal Output Torque	[Nm]	--	196	219	233	248	255	264	275
Maximum Acceleration Torque	[Nm]	--	275	306	324	345	355	367	381
Emergency Stop Torque	[Nm]	--	1,311	1,424	1,480	1,548	1,548	1,559	1,570
No Load Running Torque	[Nm]	*1	3.46						
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	11,110						
Maximum Axial Load	[N]	*3	4,220						
Moment of Inertia ( $\leq \varnothing 19$ )	[kgcm <sup>2</sup> ]	--	13.3	11.1	9.80	8.94	8.35	7.92	6.92
Moment of Inertia ( $\leq \varnothing 28$ )	[kgcm <sup>2</sup> ]	--	16.2	14.0	12.7	11.8	11.2	10.8	9.78
Moment of Inertia ( $\leq \varnothing 38$ )	[kgcm <sup>2</sup> ]	--	19.9	17.7	16.3	15.5	14.9	14.5	13.5
Efficiency	[%]	*4	92	92	91	91	90	89	88
Torsional Rigidity	[Nm/arcmin]	--	41.6						
Maximum Torsional Backlash (Standard)	[Arc-min]	--	$\leq 16$						
Maximum Torsional Backlash (Low)	[Arc-min]	--	$\leq 7$						
Noise Level	[dBA]	*5	$\leq 80$						
Ambient Temperature	[°C]	--	-25 ~ 100						
Permitted Housing Temperature	[°C]	--	100						
Protection Class	--	--	IP65						
Lubrication	--	--	Synthetic Oil						
Service Life	[Hours]	--	25,000						
Weight	[kg]	*6	35						

\*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

## EJH 030 1-Stage Specifications

Frame Size	030							
Stage	1-Stage							
Ratio	Unit	Note	20	25	30	40	50	60
Nominal Output Torque	[Nm]	--	272	272	260	248	239	230
Maximum Acceleration Torque	[Nm]	--	373	373	357	341	328	315
Emergency Stop Torque	[Nm]	--	1,503	1,435	1,390	1,254	1,096	1,085
No Load Running Torque	[Nm]	*1	3.46					
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	11,110					
Maximum Axial Load	[N]	*3	4,220					
Moment of Inertia ( $\leq \varnothing 19$ )	[kgcm <sup>2</sup> ]	--	6.57	6.41	6.32	6.24	6.19	6.17
Moment of Inertia ( $\leq \varnothing 28$ )	[kgcm <sup>2</sup> ]	--	9.43	9.27	9.18	9.10	9.05	9.03
Moment of Inertia ( $\leq \varnothing 38$ )	[kgcm <sup>2</sup> ]	--	13.1	13.0	12.9	12.8	12.7	12.7
Efficiency	[%]	*4	85	84	80	76	73	70
Torsional Rigidity	[Nm/arcmin]	--	41.6					
Maximum Torsional Backlash (Standard)	[Arc-min]	--	$\leq 16$					
Maximum Torsional Backlash (Low)	[Arc-min]	--	$\leq 7$					
Noise Level	[dBA]	*5	$\leq 80$					
Ambient Temperature	[°C]	--	-25 ~ 100					
Permitted Housing Temperature	[°C]	--	100					
Protection Class	--	--	IP65					
Lubrication	--	--	Synthetic Oil					
Service Life	[Hours]	--	25,000					
Weight	[kg]	*6	35					

\*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