

TORQTRON TCY-80

TCY-80 Precision Cycloidal Reducer

General

Frame size	80
Ratio range	11:1 to 87:1

Performance

Rated output torque	120 N.m
Acceleration torque	240 N.m
Emergency stop torque	600 N.m
Backlash	≤ 1 arcmin
Lost motion	1 arcmin
Torsional rigidity	25 N.m/arcmin
Efficiency	90 %

Speed

Rated input speed	2,000 rpm
Max input speed	4,000 rpm

Bearings

Allowable tilting moment	500 N.m
Allowable axial load	4,000 N

Physical

Weight	2.6 kg
Lubrication	Grease, lubricated for life

Ratios

Ratio	Rated torque (N.m)	Peak torque (N.m)
11:1	100	500
17:1	110	550
23:1	120	600
29:1	120	600
35:1	120	600
43:1	120	600
59:1	120	600
71:1	120	600
87:1	110	550