

TORQTRON TCY-110

TCY-110 Heavy-Duty Cycloidal Reducer

General

Frame size	110
Ratio range	11:1 to 119:1

Performance

Rated output torque	330 N.m
Acceleration torque	660 N.m
Emergency stop torque	1,650 N.m
Backlash	≤ 1 arcmin
Lost motion	1 arcmin
Torsional rigidity	70 N.m/arcmin
Efficiency	90 %

Speed

Rated input speed	2,000 rpm
Max input speed	3,500 rpm

Bearings

Allowable tilting moment	1,400 N.m
Allowable axial load	8,000 N

Physical

Weight	6.1 kg
Lubrication	Grease, lubricated for life

Ratios

Ratio	Rated torque (N.m)	Peak torque (N.m)
11:1	280	1400
17:1	300	1500
23:1	330	1650
29:1	330	1650
35:1	330	1650
43:1	330	1650
59:1	330	1650
71:1	330	1650
87:1	300	1500
119:1	280	1400