

TORQTRON TRV-20E

TRV-20E RV Reducer for Robot Joints

General

Frame size	20E
Ratio range	57:1 to 161:1

Performance

Rated output torque	167 N.m
Allowable acceleration/deceleration torque	412 N.m
Momentary max torque	833 N.m
Lost motion	1 arcmin
Backlash	≤ 1 arcmin
Torsional rigidity	49 N.m/arcmin

Bearings

Allowable moment	882 N.m
Allowable thrust load	3,920 N

Speed

Rated output speed	15 rpm
Max output speed	75 rpm

Physical

Weight	4.7 kg
Service life	6,000 h
Lubrication	Grease, factory filled; change every 20,000 h

Ratios

Ratio	Rated torque (N.m)	Peak torque (N.m)
57:1	167	835
81:1	167	835
105:1	167	835
121:1	167	835
141:1	167	835
161:1	167	835