CPM-80-25

CPM-80-25 Integrated Cycloidal Joint Module

PUBLIC CATALOGUE REFERENCE - Rev0.1 - 2026-11-18

Diameter	Reduction	Rated output torque	Rated output speed
80 mm	**25:1**	**10 Nm**	**120 rpm**

Published technical specifications

Transmission structure	Cycloidal pinwheel	Rated output speed	120 rpm
Outer diameter	80 mm	No load output speed	168 rpm
Product thickness no driver	29.7 mm	Rated output torque	10 Nm
Product thickness integrated driver reference	41.2 mm	Peak output torque	50 Nm
Reduction ratio	25:1	Weight no driver	430 g
Backlash	5-10 arcmin	Weight integrated driver reference	512 g
Operating voltage	24-48 VDC	Allowable radial force	500 N
Rated motor power	500 W	Allowable axial force	500 N

Configuration and release scope

Available with or without an integrated driver; control functions apply only to the confirmed configuration.

Preliminary catalogue data. Peak torque is not a continuous rating. Controlled 2D mechanical interfaces, connector pinout, electronics/firmware and installation dimensions must be confirmed for the ordered configuration.

Online technical references: CPM-80-25 specifications and CAD status