

## Product note

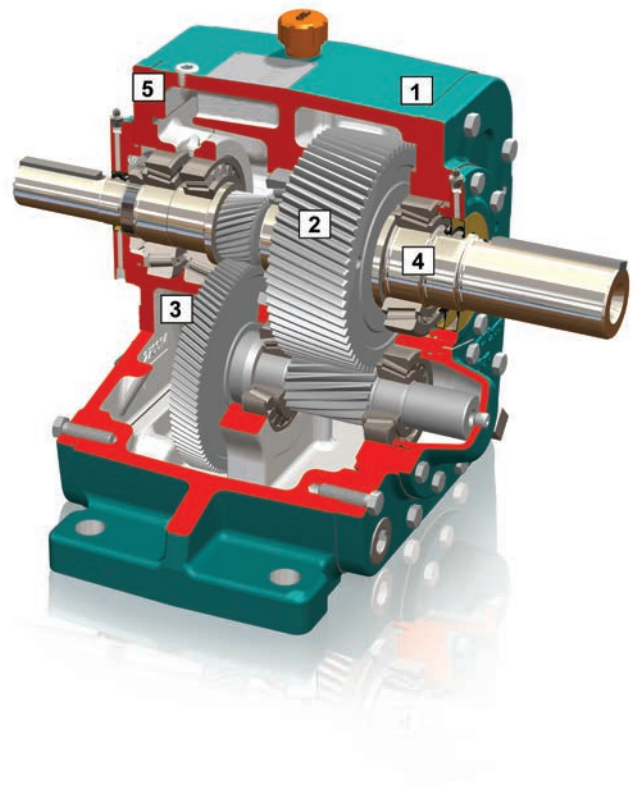
# Dodge® Maxum XTR Concentric speed reducers

The Dodge Maxum XTR reducer is a compact, power dense, high torque speed reducer designed for reliable performance. No other reducer can match it in design, performance, or value.

- Power dense design with increased HP and torque ratings providing greater concentric reducer value
- Meets or exceeds AGMA standards for proven reliability, including longer bearing life design than competition
- Premium seal system is standard
- Fractional to 1,100 HP
- Up to 579,000 (in-lbs) torque
- Multiple mounting configurations available
- 100% factory performance tested for longer service life

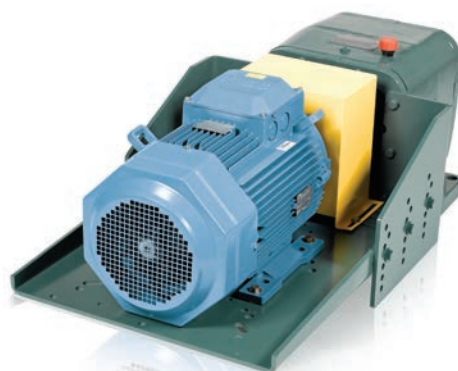
### Features:

1. **Housing** – Rugged Ductile Iron, compact design with increased stiffness to provide dependable performance in less space. Condition monitoring pads are standard for mounting accelerometers.
2. **Gearing** - High precision carburized and ground gearing designed to optimize contact, reduce stress and maximize efficiency.
3. **Bearing** - Longer life roller bearings throughout, designed to meet or exceed AGMA standards and provide a minimum unadjusted L-10 life of 5,000 hours and an average of 25,000 hours.
4. **Tandem seals** - Premium HNBR oil seals are protected by an excluder lip auxiliary seal on all shafts. These seals provide high temperature protection, minimize shaft wear, while providing twice the security and prevent ingress of contaminants.
5. **Lubrication** - Oil level sight plug and magnetic drain plug are standard. Internal housing design enhances oil circulation and accommodates inclined mounting of reducer.



### Mounting and application options:

- **Top motor mount:** Select your desired reducer output speed in less floor space with the top-mounted NEMA or IEC motor and Dodge V-belt drive.
- **Maxum XTR scoop package:** Available for use with 143T through 445T motor frames. The fabricated steel scoop is an economical and compact way to connect the motor and reducer.
- **Cooling fans:** Provides an economical way of utilizing more of the reducer's mechanical rating. Fan options include mechanical shaft fans and electric fans.
- **Custom base plates:** Designed to your application to ensure sturdy mounting base and easy alignment of AC or DC motor, coupling and reducer, providing a single source power transmission package.
- **Slide or custom bases:** Conveniently positions reducer providing simplified installation and servicing of belt and chain drives.
- **Backstop:** Provides reliable holding power and is easily maintained.
- **Heat exchanger kit:** Heat exchangers are available for applications with high ambient temperatures or for thermal capacities beyond the range of cooling fans.



### Maxum XTR capabilities and options

Dodge Maxum XTR reducer size	Ratios available	Max torque (in-lbs) @ 1750 RPM 25:1 ratio	Max torque (Nm) @ 1430 RPM 25:1 ratio	Max. input HP @ 1750 RPM 25:1 ratio	Max. input kW @ 1430 RPM 25:1 ratio	Scoop and top motor mount motor frames NEMA / IEC frame
50	2.25-194.6	29,500	3,333	33	19.9	143-326T/D112-D225S
60	2.25-194.6	50,100	5,705	56	34.1	182-365T/D112-D250M
70	2.25-194.6	70,600	8,067	79	48.3	182-365T/D112-D250M
80	5.06-194.6	101,000	11,637	110	67.8	213-445T/D132S-D315M
90	5.06-194.6	152,000	17,173	164	100.6	213-445T/D132S-D315M
100	5.06-194.6	214,000	24,517	227	140.1	213-445T/D132S-D315M
110	9.30-194.6	306,000	35,025	336	207.3	254-445T/D160L-D315M
120	11.39-194.6	426,000	48,922	450	278.8	284-445T/D180M-D315M
130	11.39-194.6	579,000	66,546	620	384.0	284-445T/D180M-D315M