



Benefits:

- Oil safe designs
- Custom impellers and seal designs
- Special alloys
- Polishing and coatings

N-SERIES AND B-SERIES

Sharpe Mixers' N-Series premium line mixer drives are extremely efficient, durable, and best choice in a diverse range of applications that provide many years of quiet service. Built specifically with strict specifications to meet the high demands of mixing products.

Vertical N-Series and right angle B-Series mixers are available in top and side entering designs, ranging from simple plate mounted with open tank models to complex mechanical seal systems; from high speed dispersers to ultra low speed helix mixers. Sizes range from fractional to over 200 horsepower.

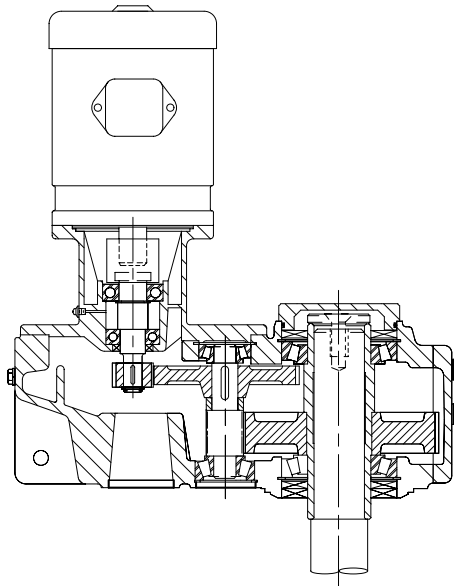
Standard Features:

- Heavy duty construction cast iron housing, SAE Class 30
- NEMA frame motors
- SAE 8620 steel helical gearing with overload protection AGMA quality level 12
- Oversized tapered roller bearings
- C-face motor mounting or foot mounted motors
- Oil lubricated gears and bearings with oversize sight glass and fill/drain fittings
- Durable 2-part epoxy finish to provide optimum protection against corrosion
- Flexible high speed coupling isolates motor from shock loads
- Rain cap/shaft guard on hollow quill units protecting personnel from rotating parts and weather conditions



Oil Safe Design Considerations

- Input bearing cylinders are modified to accept a grease fitting for re-greasable bearings. Larger units include a “charged” greasing cylinder, automatically re-greasing the bearings at set intervals.
- Oversize tapered roller bearings are used for all output bearings to provide excess capacity and maximum life.
- Oversize sight glasses are installed for easy viewing of oil levels.
- Gearbox cases are tapped to accept oil fill/oil drain fittings, which are included for ease of maintenance.
- Hollow quill units are equipped with Sharpe's custom fit rain cap/shaft guard covers to protect the output shaft from weather and to protect personnel from rotating parts. The hollow quill shaft design allows for precise attachment to the mixer shaft without the use of an in-tank coupling. Solid shaft and coupling designs are also available.
- Heat and shock loading is isolated with a flexible coupling between the motor and the gearbox. Standard NEMA frame c-face motor mounting is designed for simple trouble-free installation, with positive registers for repeatable alignment. Motor scoops are also available if foot mounted motors are preferred.
- The entire drive including the motor is covered with a premium 2-part epoxy coating, baked on for maximum corrosion resistance and durability.
- The all-helical gearing is made from SAE 8620 steel, carburized to hardness of 58 to 62 Rockwell C and ground to AGMA Quality Level 12, assuring quiet operation and long life.



TYPICAL MIXING

Industries

- Food & Beverage
- Pharmaceutical & Biotech
- Cosmetic & Personal Care
- Pulp & Paper
- Petroleum
- Chemical
- Municipal
- Waste Treatment
- Mining



Oil Safe Design

Options

- Synthetic lubricating oil
- High or low temperature lubricating oil
- Fluid grease lubricant
- Food grade lubricating oil
- Long term storage preparation

