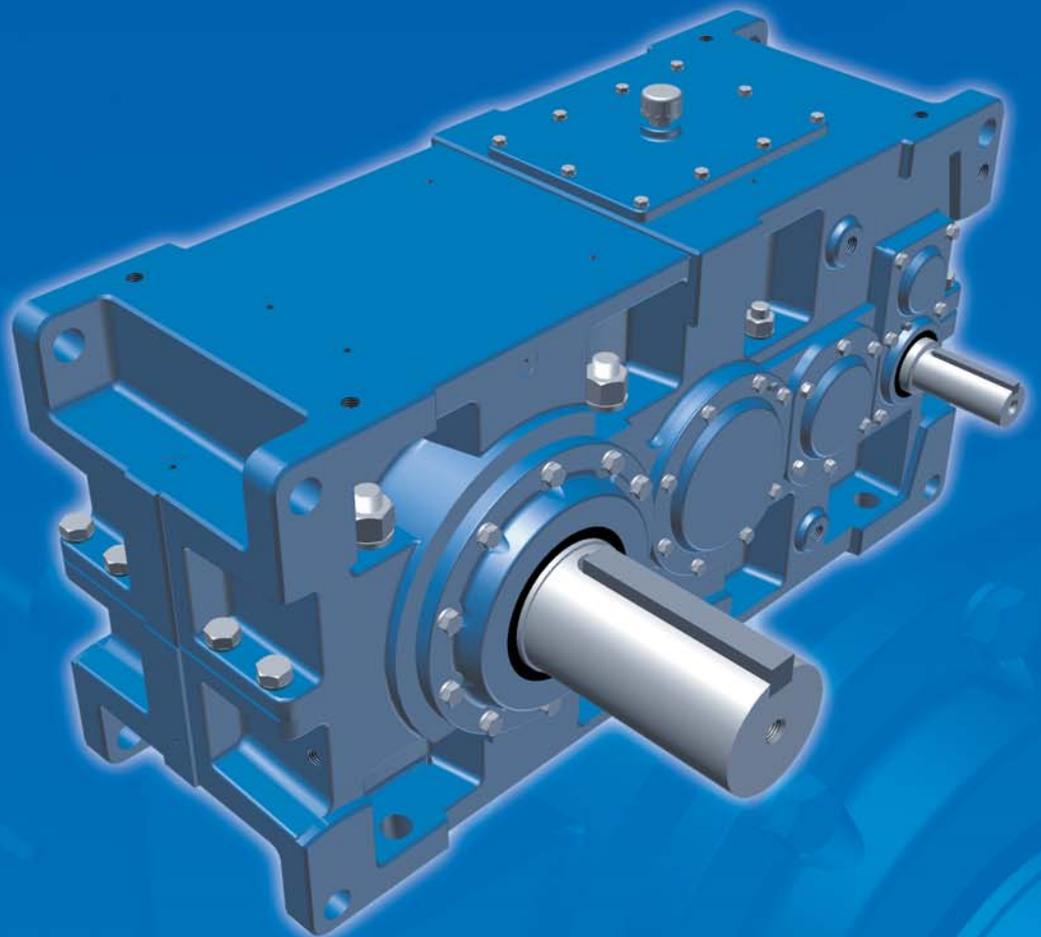


Sumitomo Drive Technologies
Always on the Move

Paramax[®]



► Large Industrial Solutions

► **PX9000, the next generation speed reducer**

- Parallel and right angle configurations
- Horizontal, vertical and upright mounting positions
- Solid and hollow shaft options
- Global availability through Sumitomo network

26 standard housing sizes for optimal selection

High tensile low speed shaft material

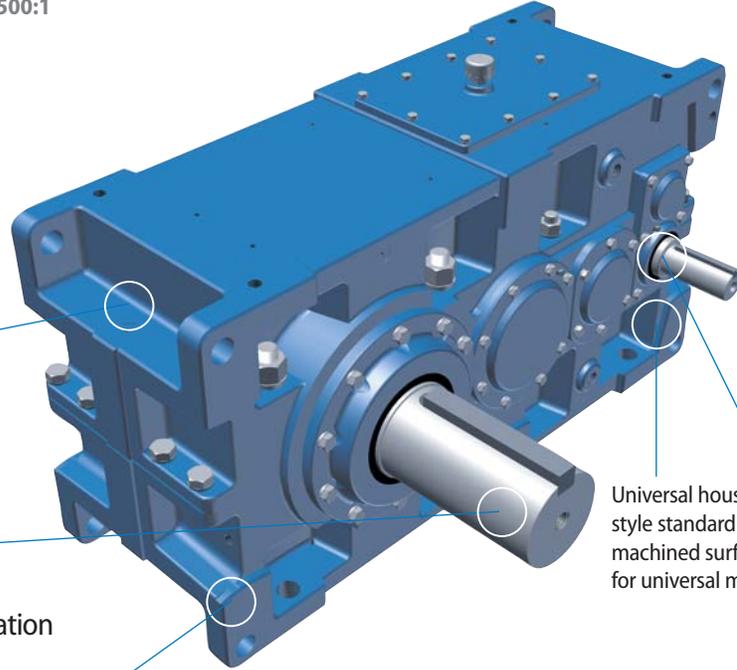
Large inspection port with vegetable fiber gasket

Integral backstop option

Paramax[®] 9000

- **Torque:** 23,000 to 5,000,000 lb-in
- Ratio:** 6.3:1 to 500:1

Premier Performance, Industrial Gearbox in Universal Housing

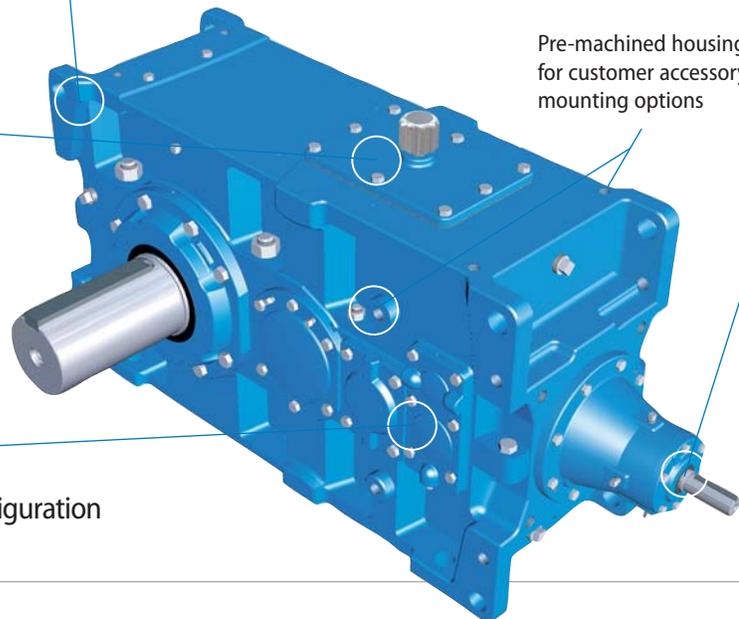


Parallel Configuration

Same housing for parallel and right angle options

Universal housing style standard with machined surfaces for universal mounting

High speed shafts with wear sleeves for extended operation in aggressive environments



Right Angle Configuration

Pre-machined housing for customer accessory mounting options



► Visit www.smcyclo.com for the latest Large Industrial Drive Solutions

Applications

- Cooling Towers and Condensers
- Extruders
- Agitators and Mixers
- Cement Kilns
- Cranes
- Wastewater Treatment
- Mining
- Forestry, Pulp and Paper
- Sugar Processing
- Material Handling

Product Description

Paramax® parallel and right angle drives are built on almost six decades of Sumitomo excellence in power transmission engineering. Some of **the largest, and most durable power transmission systems operating in the world** were designed and manufactured by Sumitomo. The Paramax® product line includes the Standardized Series 9000, and the Special Application Series: SFC Cooling Tower and Condenser Drives, and SEC Extruder Drives.

Standardized Series 9000

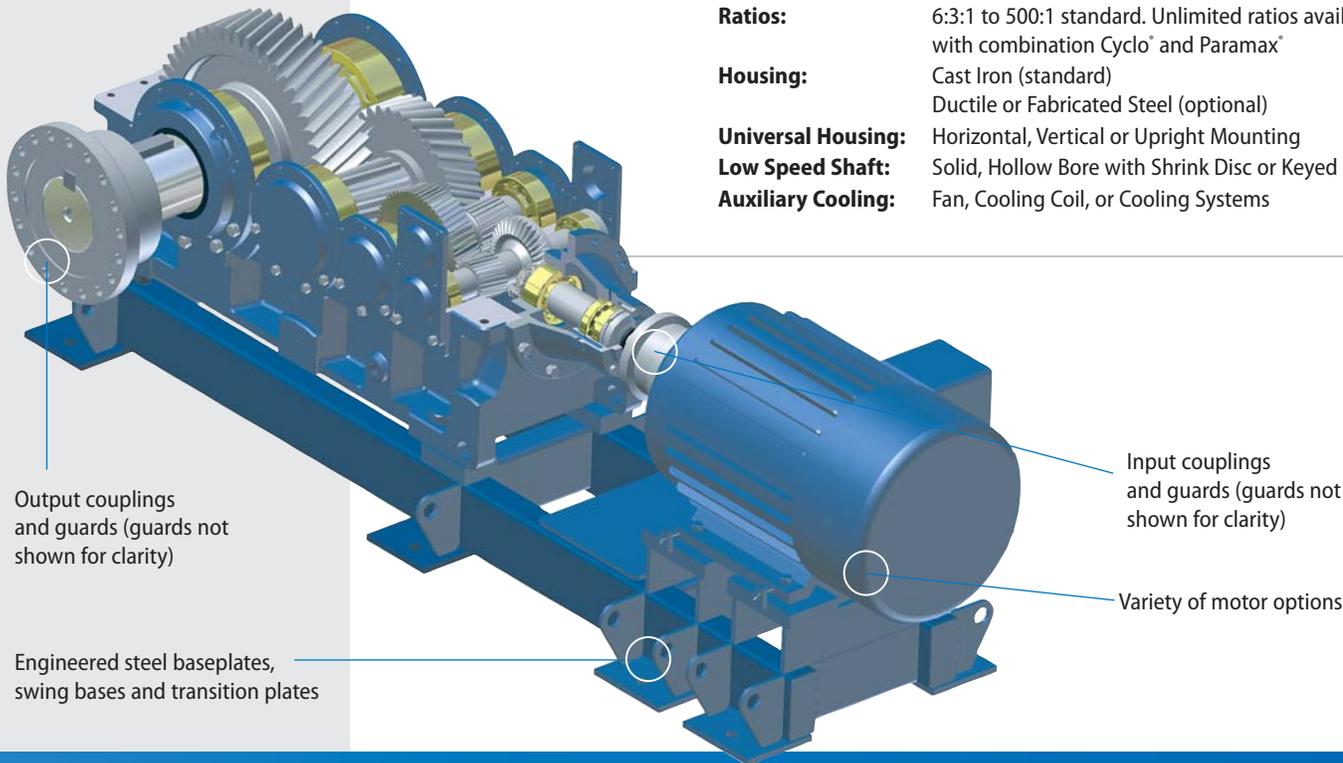
With 26 standard housing sizes, application of a Paramax® 9000 unit is optimized for precise horsepower, torque, speed and duty cycle, ensuring **long life and cost-effective**, efficient operation.

- **26 housing sizes** for more precise unit selection and optimized applications
- **High torque ratings**, up to 5 million inch-pounds
- Higher ratings with a 25° pressure angle and wider gear tooth face
- **Universal housings** accommodate horizontal, vertical and upright installations
- New fan and shroud design delivers up to 87% increased thermal capacity, cooler operation and longer service life
- Optimized gear tooth profile for gearing accuracy, low wear, quiet and efficient operation
- **Rugged cast iron housing** is designed to minimize deflection under load
- Global standardization, availability and support from Sumitomo worldwide

Complete Drive Systems Solutions

Specifications

- Torque Range:** 23,000 to 5 Million in-lbs (552,000 Nm)
- Ratios:** 6:3:1 to 500:1 standard. Unlimited ratios available with combination Cyclo® and Paramax®
- Housing:** Cast Iron (standard)
Ductile or Fabricated Steel (optional)
- Universal Housing:** Horizontal, Vertical or Upright Mounting
- Low Speed Shaft:** Solid, Hollow Bore with Shrink Disc or Keyed
- Auxiliary Cooling:** Fan, Cooling Coil, or Cooling Systems



Output couplings and guards (guards not shown for clarity)

Engineered steel baseplates, swing bases and transition plates

Input couplings and guards (guards not shown for clarity)

Variety of motor options

