

Lufkin reverse reduction marine gears for drop-in applications

Reliability

- New generation, critical service, high performance marine gear
- The most robust gears in the industry
- Reverse gear and clutches rated for full power and speed
- Rating
 - Gearing exceeds ABS requirements for unrestricted continuous service
 - Up-rated gearing to allow repower with new generation engines
 - Interchangeability
- Fits the foundation hole pattern of the CAT 7271, 7261, or 7251 units, LST, Falk 12, 14, and 21 MB gear units, as well as Falk MR Series
- No structural changes are required
- Fits the existing tail shaft coupling
- Can accommodate the existing input coupling or a more modern coupling
- Can be modified to fit any application
- Available to meet ice class
- Exceeds ISO-6336 and meets AGMA 6032B-13 gear rating standards

Bearings

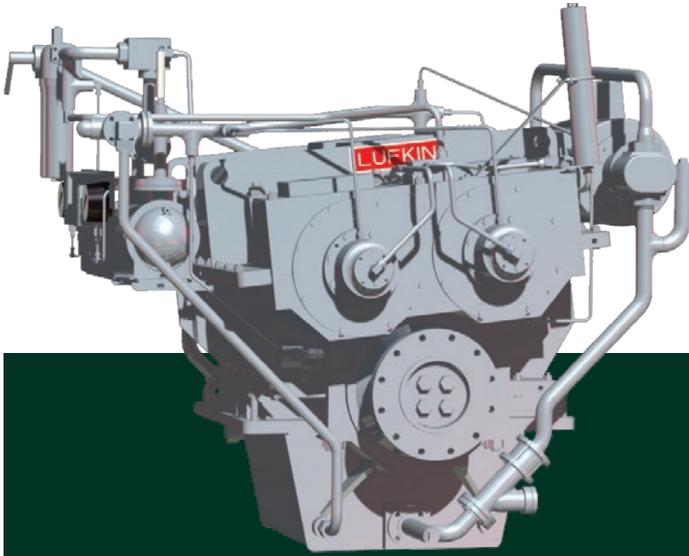
- Spherical and tapered roller bearings exceed 20,000 hours L10 life, unadjusted
- Thrust bearings are sized for 100,000 hours minimum life based on full engine power rating, propeller thrust capacity, and speed
- Radial split sleeve, babbitt-lined, steel backed journal bearings, and flat-faced, or KTB type (tilt pad) thrust bearings are available upon request

Clutches

- Hydraulically actuated, oil cooled
- Conservatively selected for low heat dissipation characteristics as well as torque capacity
- Easy access clutch cover externally located for easy maintenance. Does not require gear cover removal for servicing
- Solenoid control for either 24 Volts DC or pneumatic operation

Lube System

- Cooler suitable for use with 100°F/38°C fresh water
- 40-micron filter incorporated into the design
- Auxiliary trailing pump system available upon request



Lufkin RLS2100 marine gear Cat 7271 drop-in marine gear

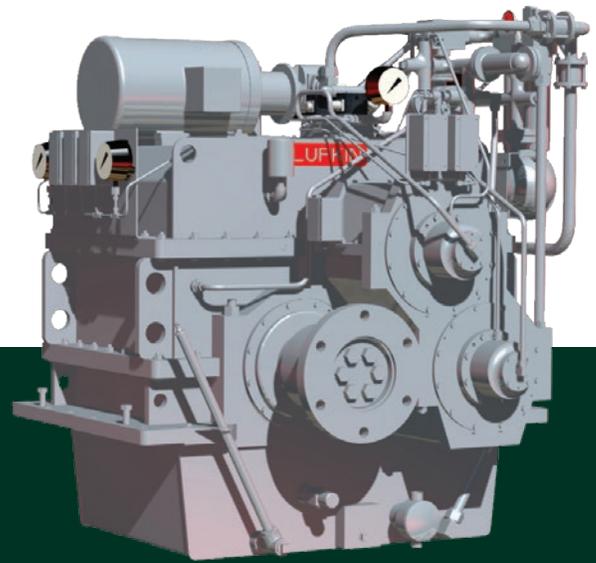
Rating

- 2350 HP @ 1,600 to 1,800 rpm per ABS rules
- Suitable for CAT 3516 or other high speed diesel engines

Standard ratios available

- 5.11:1
- 5.49:1
- 6.11:1
- 6.045:1

Estimated weight: 13,500 lbs/6,136 kg



Lufkin RLS2100 marine gear LST drop-in marine gear

Rating

- 2350 HP @ 900 rpm per ABS rules
- Suitable for EMD 567, 645, or GE L/V250, V228, CAT, MAK, MAN or other medium speed engines

Standard ratios available

- 3.03:1
- 3.45:1
- 3.50:1

Estimated weight: 13,500 lbs/6,136 kg