



The Cat Pumps Difference

Model 3560 – Setting the Standard for Hydroexcavation



Product Quality, Reliability and Support You Expect

www.catpumps.com

The Cat Pumps Difference

Quality is evident in every design detail of Cat Pumps products — designed and built to be the industry's longest-lasting and most dependable pumps.

Manifolds

316SS discharge manifold is optimal for pressure cycling fluctuations in hydroexcavating and other heavy-duty mobile applications. 316SS also offers superior corrosion resistance. Forged brass inlet manifold for high durability and extended life. This split manifold design also reduces weight — making servicing easier.

Valves

Stacked valve design is ideal for fast and easy servicing. Valves can be serviced without disassembling manifold; no special tools required. Stainless steel valves, seats and springs provide corrosion resistance, positive sealing and long life. Valves designed for lower pressure loss to prevent cavitation and improve pump efficiency.

Plungers

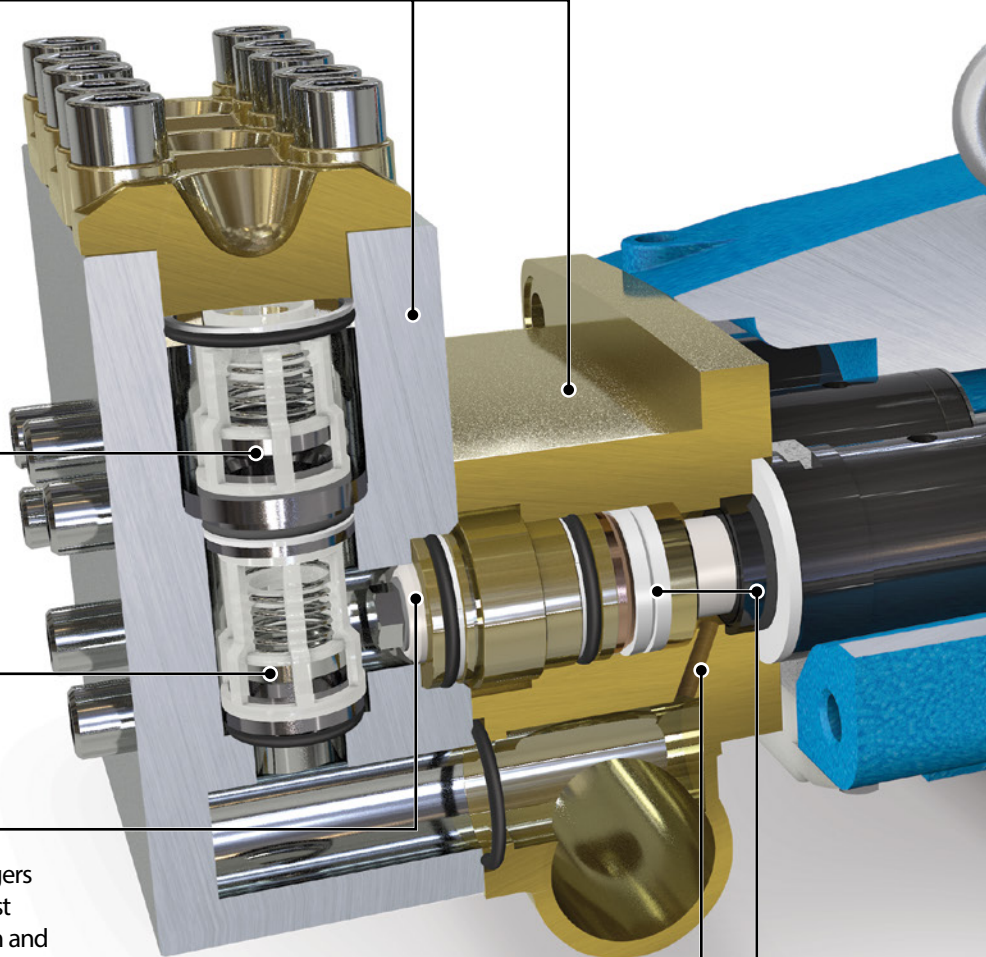
Concentric, high-density, polished, solid ceramic plungers provide a true wear surface for industry-leading longest life. Graphite-impregnated surfaces provide lubrication and resistance to abrasion, reducing seal wear.

Wet Seal Design

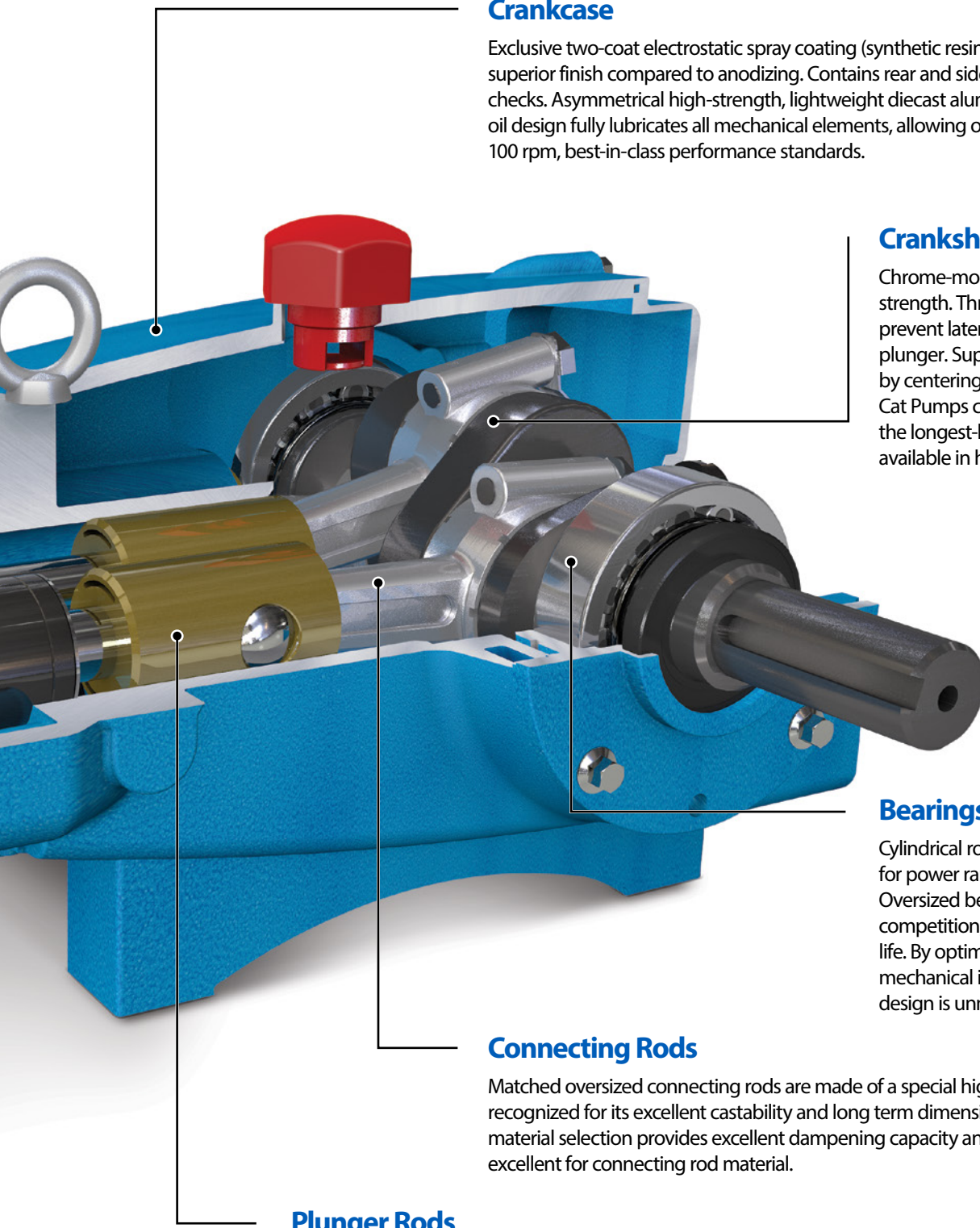
Cat Pumps original 100% wet seal design adds to service life by allowing pumped liquid to pass from inlet side through a chamber to lubricate and cool the backside of the V-Packing and spring-side of low-pressure seal. No external lubrication or oilers required.

V-Packings and Low Pressure Seals

Specially formulated high pressure V-Packings and low pressure seals offer superior seal life for long trouble-free service.



"We use Cat Pumps exclusively. We cannot afford a breakdown on the job site. We need a pump that is dependable when locating utility lines. Cat Pumps provides that dependability." – Greg M., Ocala, Florida



Crankcase

Exclusive two-coat electrostatic spray coating (synthetic resin primer + alkyd resin) provides superior finish compared to anodizing. Contains rear and side oil site gauges for quick oil checks. Asymmetrical high-strength, lightweight diecast aluminum crankcase with splash oil design fully lubricates all mechanical elements, allowing operational speeds as low as 100 rpm, best-in-class performance standards.

Crankshaft

Chrome-moly forging provides exceptional strength. Three journals with shoulder prevent lateral drift that reduces wear on plunger. Superior alignment is maintained by centering on two carrier bearings. Cat Pumps crankshaft is designed to be the longest-lasting mechanical drive available in high-pressure triplex pumps.

Bearings

Cylindrical roller bearings are optimal for power range of this size of pump. Oversized bearings are larger than the competition, greatly extending bearing life. By optimizing this design element, the mechanical integrity of Cat Pumps bearing design is unmatched in the industry.

Connecting Rods

Matched oversized connecting rods are made of a special high-strength material blend, recognized for its excellent castability and long term dimensional stability. Cat Pumps material selection provides excellent dampening capacity and vibration attenuation — excellent for connecting rod material.

Plunger Rods

High tensile strength stainless steel with bronze crossheads for strength and superior wear qualities. These guided plunger rod heads, traveling shorter stroke distances in oil flooded lubrication, create less wear than competitive designs. The crankcase crosshead area is concentric with 360° plunger rod support, and features drilled-through oil port to lubricate front side of crosshead area.

Performance Specifications

Flow Rate	20 gpm/75.7 lpm	Discharge Port	1" NPT(F)
Max Pressure	4,000 psi/275 bar	RPM	1160
Inlet Port	1 1/2" NPT(F)	Alternate Spec.	25 gpm/3,000 psi

Industry Leading Customer Service and Sales Support

Customer Service

In addition to receiving the highest quality products available in the industry, Cat Pumps customers also enjoy the following benefits:

- 99.7% order fill rate with world-class inventory management
- Products in stock for off-the-shelf shipping – 95% of orders ship within 24 hours!
- Hundreds of knowledgeable distributors worldwide stocking genuine Cat Pumps products
- Industry leading customer service
- Experienced staff on call to assist with inquiries, from designing systems to troubleshooting
- Call or E-mail for fast response to questions and requests



Resource Center

Cat Pumps website is your complete resource center for products, technical information, distributor locations and more. Find us at www.catpumps.com

Keep current on “What’s New” at Cat Pumps

- Product selector for pumps and accessories
- 2D/3D CAD drawings
- Troubleshooting and service videos
- Product training
- Complete sales and technical literature library
- Distributor search
- “Cat Pumps Product Tools” mobile app



“I got the quickest reply that I have ever experienced from any customer service department when I visited the Cat Pumps website. I received a return phone call from the company before I had exited the website. I also received an email reply from their service department (completely different department) within minutes. Customer service is everything today and it appears that Cat Pumps’ customer service is the target level that every other company should be shooting for.”

– B. Kramer, Marion, IN



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