



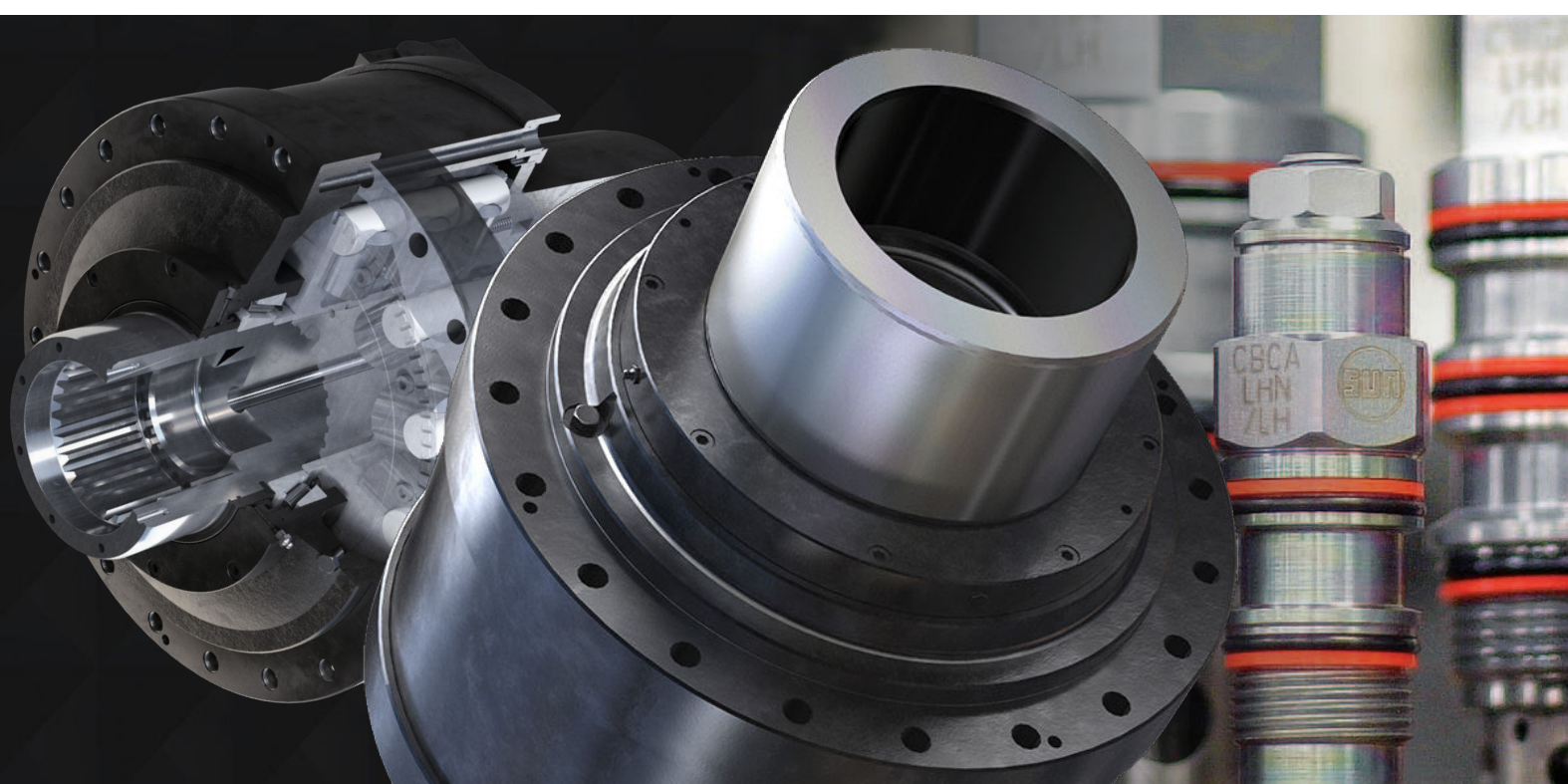
**Axiom Hydraulics**

**2025**

# Product Catalogue



**Black  
Bruin**



## Axiom Hydraulics Design House – where ideas become reality

At Axiom Hydraulics, our Design House is the heart of innovation, expertise and precision. This dynamic hub is powered by a team of highly skilled professionals comprised of mechanical and electrical engineers, draftsmen, and other technically adept specialists. With over 150 years of combined experience, this problem-solving powerhouse tackles challenges of any scale, delivering hydraulic solutions with precision and efficiency.

Our team's technical expertise extends beyond design. From initial concept to after-sales support, we are committed to ensuring seamless functionality. Whether troubleshooting critical errors or assisting with system optimization, our experts are always on hand to support every client—big or small. We are passionate about what we do, and that passion drives our dedication to providing world-class service to all our clients.

Using the latest design software, we create system solutions tailored to meet diverse requirements. We pride ourselves on being highly efficient without compromising quality.

### Key Capabilities:

- Comprehensive design of complete hydraulic systems
- Custom integrated manifold designs
- Agile design processes with fast lead times
- Dedicated after-sales/project technical support

No challenge is too complex, no detail too small—at Axiom Hydraulics, we bring your ideas to life with expertise, care, and a commitment to excellence.

## SITE 2: WORKSHOP & STORES

At Axiom Hydraulics, our Workshop and Stores Team operates as a specialized arm of the company, distinct from our design and production capabilities. This team is dedicated to the repair, reconditioning, and servicing of hydraulic equipment, ensuring our customers receive unmatched support throughout the life-cycle of their systems. Our highly skilled team are able to customize hydraulic systems and products to meet the unique demands of specific applications. By modifying components and configurations, we can deliver tailored solutions that enhance performance, efficiency, and reliability for even the most specialized requirements.

With over 65 years of operational experience, our team of highly trained machinists, fitters, and cutting-edge machinery, perform OEM-specified servicing and repairs to the highest standards.

Our 5,500 m<sup>2</sup> workshop is meticulously designed to minimize contamination of exposed components, delivering exceptional quality control. No hydraulic component leaves our facility without comprehensive performance and safety testing. Every completed unit undergoes stringent load simulations on our test benches to ensure smooth, efficient, and reliable operation.

In addition, we maintain substantial stock-holding of parts and spares to support our entire hydraulic equipment portfolio, ensuring that our clients' needs are met quickly and efficiently.



# MOTORS

Axiom Hydraulics is the distributor of Black Bruin's **low speed, high torque** motors and rotators for sub-Saharan Africa. With one of the largest stock-holdings of radial piston motors, we can supply ex-stock. We also provide full aftermarket spares kits and offer complete in-house repair services for the full product range.

# Black Bruin

## X Series - Rotating Shaft Motors

### > Performance

- Displacement [ccm] 2512/3140/4020/5024/6280/7543/8800
- Max. torque [Nm] 15200/19000/24300/32000/40000/48000/56000
- Max. power [kW] 280
- Max. rotating speed [rpm] 400 freewheeling
- Max. pressure [bar] 300-400



X - Series <

## S Series - Rotating Shaft Motors

### > Performance | S1000

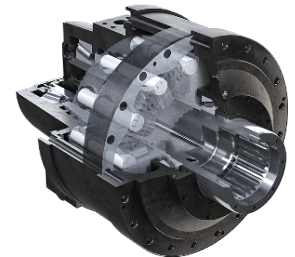
- Displacement [ccm] 4400/6300
- Max. torque [Nm] 31500/45100
- Max. power [kW] 175
- Max. rotating speed [rpm] 180
- Max. pressure [bar] 450

### > Performance | S2000

- Displacement [ccm] 8800/9900/11000/13200/15000
- Max. torque [Nm] 63000/70900/78700/94500/107400
- Max. power [kW] 350
- Max. rotating speed [rpm] 130/115/103/86/75
- Max. pressure [bar] 450

### > Performance | S3000

- Displacement [ccm] 13200/14850/15000/17600/18900/22500
- Max. torque [Nm] 94500/106300/107400/12600/135300/136000
- Max. power [kW] 500
- Max. rotating speed [rpm] 86/75/75/64/60/50
- Max. pressure [bar] 450/450/450/450/450/380



S - Series <



## B200 Series Rotating Case Motors



### Features

Unique mechanical freewheeling.  
1- or 2-speed. Well-sealed, compact structure. High load carrying capacity.

## C200 Series

### Rotating Case Motors

### > Performance

The C200-series motors transmit up to 90 kW of power and 22 500 Nm of torque. The displacement ranges from 462 to 3150 ccm.

The C200-series motors are available with static and dynamic wet multi-disc brakes and caliper disc brakes.



B200 <

C200 <

Complete range of spares | Comprehensive service and load test facilities | Full repair and maintenance

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**Axiom Hydraulics**

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