rexroth
A Bosch Company

Hägglunds for Bucket Wheel Reclaimers

www.boschrexroth.com

Boost your performance and productivity

With their high performance and low maintenance requirements, our Hägglunds solutions maximize output and minimize your payback time. That makes them ideal for both new machines and upgrades of existing equipment. You win by taking advantage of our extensive application knowledge, built over decades of helping customers optimize their productivity.

For every bucket wheel reclaimer application, you'll find an outstanding Hägglunds solution. Our hydraulic direct drive systems are ideal for key bucket wheel, slewing and long travel drives, but also on intermediate and boom conveyors.

Optimizing in every aspect

Customers have trusted Hägglunds solutions on their bucket wheel reclaimers for more than 30 years. Having supplied and installed systems for all of that time, we've developed a solid understanding of how the right configuration – and even small adjustments – can maximize results. A good example is the speed of the bucket wheel, which should be precisely matched to the given materials and conditions. Density, shape, temperature and moisture content all affect the appropriate speed for maximum handling capacity. A change in any of them can necessitate a speed adjustment, which Hägglunds systems enable through a unique combination of stepless speed and torque control.

Worldwide and at your side

No matter what task it serves, you can have full peace of mind in a Hägglunds system. As a one-stop shop for your drive system needs, Bosch Rexroth is your guarantee of a quality turnkey solution – fully integrated and optimized. You can put the same trust in our worldwide organization, and in the people who serve you locally. We coordinate globally to secure quotations, installation and more, and we support you regardless of location. Whenever you need us for service or assistance, we'll be there.

◄ **On a performance-to-weight basis, our solutions have always been best in class. In our extensive range of Hägglunds hydraulic motors, from smallest to largest, you can find the highest torque to weight ratio in the world. As a customer with any of our products, you naturally benefit from all the knowledge gained in our continuous development process.**

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BIG BENEFITS

with hydraulic drive systems

BUCKET WHEEL DRIVES

- Built-in overload protection eliminates trip-outs and minimizes production losses in the event of a stall
- Low inertia and weight reduce stresses on your machine structure and slewing gear
- Full torque at an infinite range of speeds lets you adjust to all types of materials and conditions

SLEWING

- Compact arrangements
- Shock load protection
- Excellent controllability

BELT CONVEYORS

- Torque control protects the belt from overloads
- Soft starts and stops keep belt stress to a minimum
- High starting torque can be maintained for an unlimited period of time

LUFFING WINCH DRIVES

- Compact arrangements including brake
- High starting torque
- Excellent controllability

LONG TRAVEL DRIVES

- Perfectly balanced load sharing on the wheels
- Excellent controllability
- Low maintenance

Driving powerful returns

You'll find an easy path to total performance at Bosch Rexroth. Whether you seek system solutions for new machines or upgrades and modifications for your existing bucket wheel reclaimers, we put our systems and expertise to work for you. Whatever the requirements, you get an efficient solution that meets them completely.

For the highest flexibility in design and installation, look to our modular Hägglunds drive solutions. Engineered for heavy-duty performance, Hägglunds hydraulic systems allow free placement of the electric motor and pump some distance away from the driven shaft.
Nothing makes the benefits clearer than a bucket wheel reclaimer, where only the lightweight hydraulic motor needs to be attached to the bucket wheel. That minimizes weight at the end of the boom, while the heavy electric motors and pumps can be positioned near the center of your machine.

Save weight and energy
On a performance-to-weight basis, Hägglunds solutions have always been best in class. But with the Hägglunds CBm motors, they take you even further. Compared to our previous standard motor, Hägglunds Marathon, our Hägglunds CBm motors are both smaller and more powerful. That gives you higher performance – with around 25–30% less weight. Less weight at the end of your boom means lighter counterweights, which reduces slewing torque and allows for a leaner slew drive system. The weight savings offered by a Hägglunds CBm bucket wheel installation can make your whole machine's design considerably lighter and more cost-efficient.

The benefits are substantial, both on new machines and in upgrades of existing bucket wheel reclaimers. So whatever your need, take full advantage of the flexibility and unique capabilities of our Hägglunds system solutions.

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