

Compact power

with greater freedoms,

less maintenance



EMC-HP – THE RELIABLE CYLINDER FOR HEAVY LOADS: HIGHLY PRECISE AND FREELY CONFIGURABLE

Our successful EMC actuator line-up is now available in a high power version: the EMC-HP (High Power) electromechanical cylinder was specially developed for heavy load applications. Robust and compact, it guarantees a long service life and continuous performance even under the harshest conditions. This is achieved thanks to new sealing concepts (IP65), the optional unique water cooling on the drive screw itself, and maintenance-friendly lubrication. This makes the EMC-HP a highly reliable cylinder, even when subjected to continuous high forces.

Can be adapted flexibly to all machine concepts

A high-precision planetary screw assembly ensures exact positioning – with maximum control accuracy and dynamics. As a result, loads weighing several tons can be moved in an economic and energy-efficient manner at any time. Most importantly, this construction principle gives you complete freedom and ensures future viability. With the EMC-HP, you can set and change your parameters as you wish, achieve complex travel profiles and adapt to new processes and machine concepts with ease. This significantly reduces commissioning costs and downtimes. And because Bosch Rexroth provides everything necessary – mechanical systems, servo drives, control systems and global service – you can configure a tailored complete system. Can you think of a more flexible solution?

ADVANTAGES

- ▶ Compact: less space required, can easily be integrated
- ▶ Complete: tailored components all from Bosch Rexroth
- ▶ Robust: durable seals which can easily be replaced
- ▶ Flexible: can easily be adapted to specific applications, numerous fixing methods, length can be configured freely
- ▶ Powerful: reliable continuous operation thanks to improved screw cooling
- ▶ Economical: energy-efficient, low operating costs, fewer downtimes
- ▶ Low-maintenance design: longer re-lubrication intervals

KEY TECHNICAL DATA

- ▶ PLSA precision planetary screw assembly
- ▶ Max. axial force: 44 to 100 kN
- ▶ Max. travel speed: 0.52 to 0.83 m/s
- ▶ Max. stroke: 1,200 to 1,500 mm
- ▶ Protection class: IP65

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