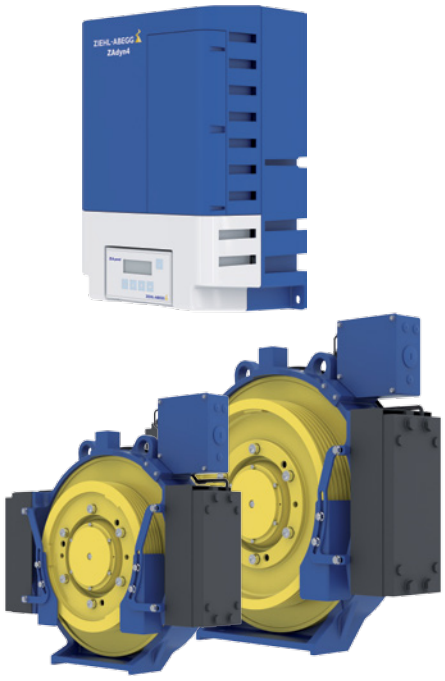
Movement by Perfection

The Royal League in ventilation, **control** and **drive technology**



ZIEHL-ABEGG RETROFITBLUE

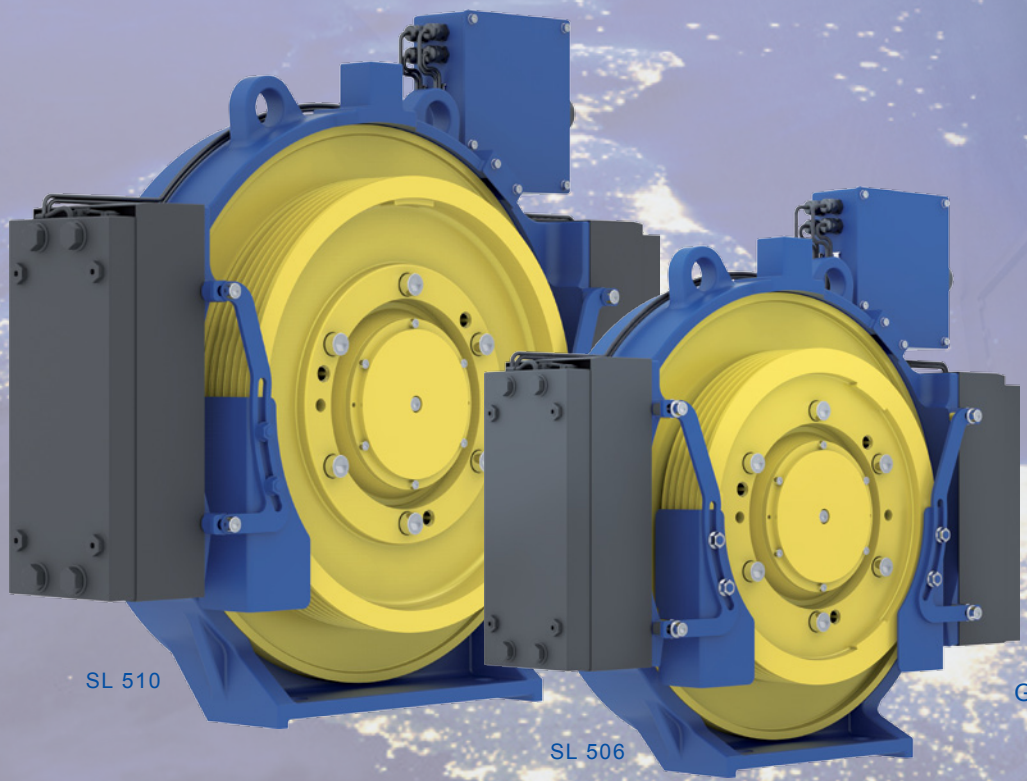
High-tech modernisation of elevator systems
with disc rotor motor in 2 stages

ZIEHL-ABEGG

The Royal League

of modernisation

Frequency inverter **ZAdyn4C**



SL 510

SL 506

Gearless elevator machine **ZAdisc**

ZIEHL-ABEGG

RETROFIT BLUE

... feel the future

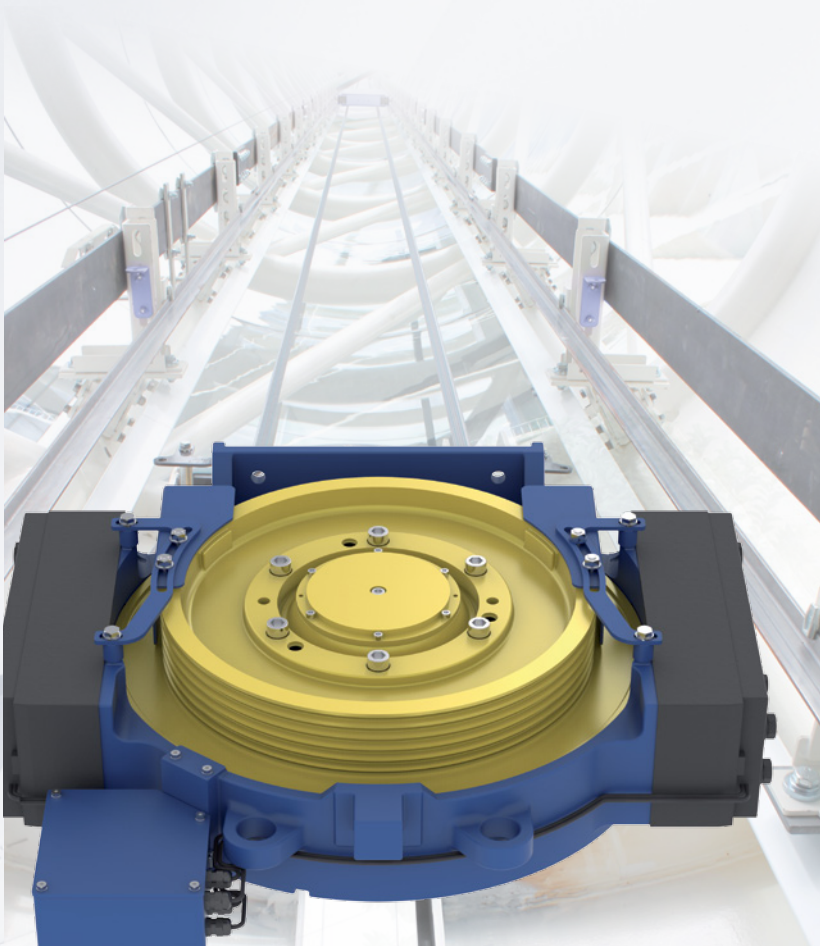
ZIEHL-ABEGG

RETROFITBLUE

High-tech modernisation of elevator systems with disc rotor machines in 2 stages

RETROFITBLUE – this perfect modernisation concept by ZIEHL-ABEGG makes you independent by enabling you to switch from **genuine spare parts** to ZIEHL-ABEGG components that are freely available on the market, with all these advantages for you: Our modern blue technology fits even old disc rotor motors of the first generation that have been in use for 15 years or more. Our specially developed control technology communicates easily between the **old disc rotor motor, new ZAdyn4CS frequency inverter and new elevator controller, no matter the brand.** No need to wait for repairs when individual components fail, when you can start into the future with our **2-stage ticket** for modernisation.

Stress-free modern high-tech elevator systems in 2 stages – simple and efficient



1st stage

Exchange of the electronic components and installation of the modern frequency inverter ZAdyn4CS

ZIEHL-ABEGG
RETROFITBLUE – Best flexibility from ZIEHL-

ZAdyn4CS with DISCcontrol

The **DISCcontrol** retrofit kit attaches the components you need for operation quickly and easily to the original disc rotor motor. The incremental encoder supplies the **ZAdyn4CS** with the information needed for operation regarding drive speed and position of the internal magnetic field. The additional hall sensor corrects any slip of the friction wheel on the sheave.

Improving safety with magnets
If the brakes are manually opened when power supply is deactivated, the frequency inverter loses the position of the rotor. When operated the next time, this could lead to an uncontrolled movement. Using one magnet for each pole pair (at least 8 in total) reduces the rotor movement to a minimum.

DISCcontrol perfectly fits the existing motor 1:1. The hall sensor is already integrated in the attachment kit. You only need to plug in one line at the ZAdyn4CS.

2nd stage

Exchange of the old drive and installation of the new ZAdisc

(The framework conditions for quick exchange are already provided with stage 1)

-ABEGG components that are freely available on t

ZAdisc SL506/510

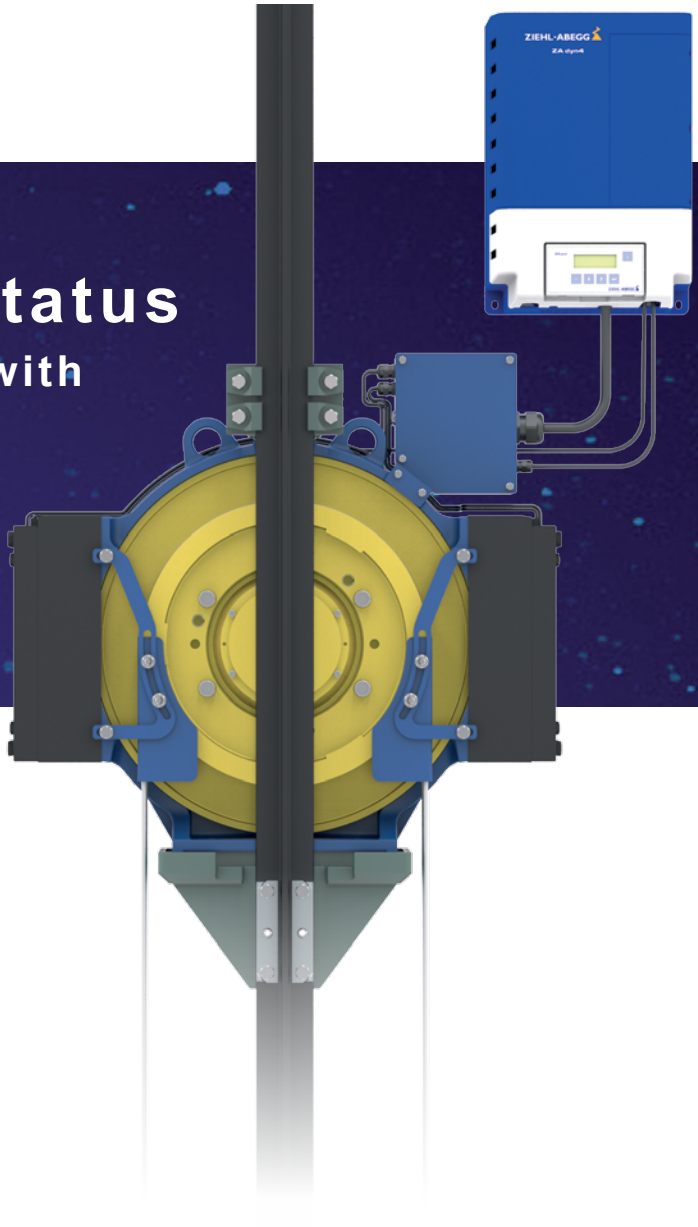
Payload kg	Type	Speed m/s	Suspension	Rope number x Ømm	Nominal output kW
480	SL506.12	1,0	2:1	4x8,0	5,0
630	SL506.12	1,0	2:1	5x8,0	5,0
1000	SL510.17	1,0	2:1	6x8,0	7,0
1000	SL510.17	1,6	2:1	6x8,0	11,8

ZAdyn4CS mit Sondersoftware

Article no.	Type	Motor power kW	Nominal current A
352201	4CS011	4,6	11,0
352202	4CS013	5,5	13,0
352203	4CS017	7,5	17,0
352204	4CS023	11,0	23,0
352205	4CS032	14,0	32,0
352206	4CS040	19,0	40,0

The latest status

Blue technology with much-improved performance and operating comfort



he market

ZAdisc - perfect modernisation

Fast installation of the elevator machine

The ZAdisc elevator machine replaces the original drive 1:1. The traction sheave is prepared for the existing ropes. Due to the further use of the existing attachment sockets and holders for the rail attachment a time-intensive mechanical processing of the guide rails is eliminated.
The frequency inverter ZAdyn4CS already present in the elevator system can be easily converted to ZAdisc.
If the drive must be replaced before the frequency inverter, both modernisation stages can, of course, be done at the same time.

Simple adjustment of the motor and facility data

The motor type data are stored in the software of the ZAdyn4C. The installation data stored during modernisation stage 1 will be used furthermore.

Adjusted to your needs

You'll have perfect control behaviour with our optimised package solution. The two perfectly coordinated components improve running efficiency even more.
The elevator, now equipped fully with ZIEHL-ABEGG components that are freely available on the market, will make you independent in your decisions on installation, maintenance and service.

... feel the future

The Royal League

ZIEHL-ABEGG

ZIEHL-ABEGG SE Heinz-Ziehl-Straße D-74653 Künzelsau +49 7940 16-0 info@ziehl-abegg.de ziehl-abegg.com