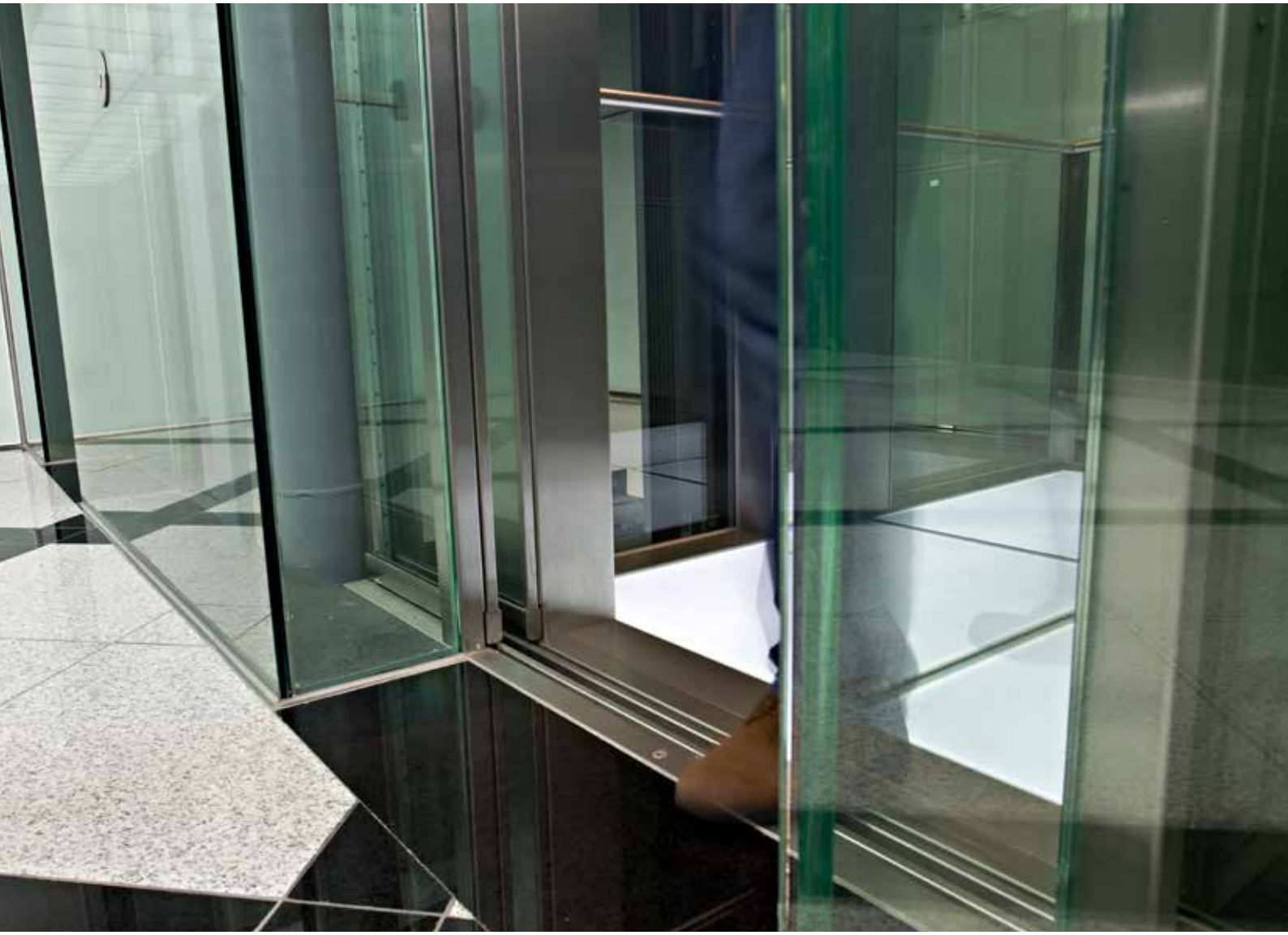
NEWLIFT
NEUE ELEKTRONISCHE WEGE

FST-2XT

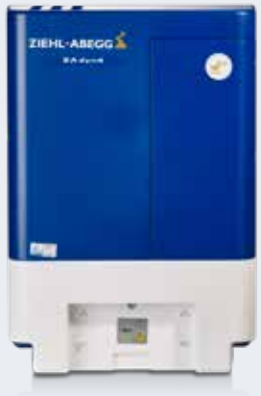
MODERNISATION PACKAGE HYDRO

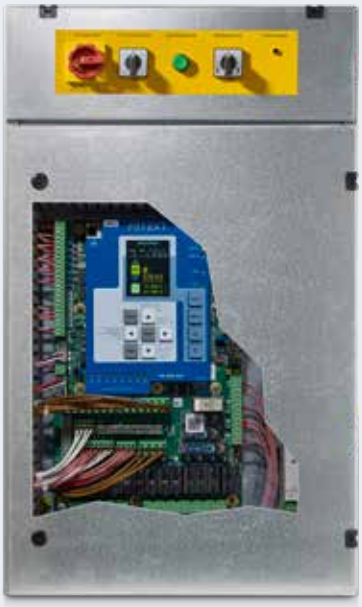
Modernising and lowering operating costs



CONTROL CABINET
HOT-DIP GALVANISED AND POWDER-COATED
800 x 800 x 300 mm or 800 x 1,000 x 300 mm

FREQUENCY INVERTER
ZIEHL-ABEGG ZAdyn 4CA HY
up to 105 A





DRIVE CURVE AND CURRENT

before

after

Pump current *Drive curve*

Modernising and lowering operating costs

MODERNISATION PACKAGE **HYDRO**

Up to now, the modernisation of hydraulic lifts usually involved a costly replacement of the hydraulic unit.

The reason: Old mechanical control blocks do not satisfy current requirements on levelling, energy consumption and drive comfort in any way. Even regulated control blocks, whose pumps need to run with soft-start devices, are frequently replaced with modern, frequency-controlled blocks or retrofitted with energy-hungry oil coolers.

In cooperation with the company ZIEHL-ABEGG, NEW LIFT has developed a modernisation concept that eliminates all of these disadvantages while keeping the existing hydraulic unit.
A special pseudo-closed-loop process with state-of-the-art DCP04 communication between control system and frequency inverter enables the frequency-controlled operation of the old pump without intervening in the hydraulic system.

MAIN FEATURES

- Up to 50% reduced energy consumption: Through modern control and frequency inverter technology, the old hydraulic unit becomes an energy-saving wonder.
- Reduced oil warming: Considerably less oil warming.
  Oil coolers are no longer necessary.
- Whisper quiet: Operation without contactors and reduction of the noises on the control block minimise noise from the drive.
- Optimum drive comfort: Optimum levelling and direct approach through specially developed pseudo-closed-loop process with DCP04.

THE ADVANTAGES ARE CLEAR

REDUCED INSTALLATION TIME

No costly replacement of the hydraulic system necessary.
No retrofitting of pressure or speed sensors necessary.

LOWER INVESTMENT COSTS

Significantly lower investment costs
by retaining the existing hydraulic system.

ENERGY SAVINGS UP TO 50%

Through modern frequency inverter technology and optimisation of the pump speed during acceleration and deceleration, the operating costs can be nearly halved. In addition, the power rating of the system can be significantly reduced through the optional current limiting.

OPTIMISED DRIVE CURVE AND LEVELLING

The FST-2XT lift control system with absolute-encoder shaft positioning system and DCP04 guarantees optimum drive comfort with direct approach. Inexact levelling caused by fluctuations in the oil temperature is a thing of the past.

SIGNIFICANTLY REDUCED DRIVE NOISES

The frequency inverter of the ZAdyn 4CA series with the specially developed HY software and its contactor-free operation turn the existing hydraulic unit into a whisper drive.

TECHNICAL DATA

	up to 32 A	**up to 105 A**
Control cabinet dimensions (H x W x D)	800 x 800 x 300 mm	800 x 1,000 x 300 mm
Dimensions of frequency inverter housing (H x W x D)	439 x 300 x 191 mm	628 x 422 x 191 mm
Dimensions of car top box (H x W x D)	450 x 350 x 125 mm	450 x 350 x 125 mm
Rated current / rated power	18 A	50 A
	25 A	63 A
	32 A	80 A
	40 A	105 A

TECHNICAL DATA

- Control of all common hydraulic systems
- Max. rated current 105 A
- Valve voltages:
  40 to 200 V DC or 230 V AC
- Max. 2 car doors with standard 400 V three-phase drive or with single-phase control device
- Locking solenoid voltages:
  40 to 200 V DC or 230 V AC
- Call acknowledgement 24 V DC
- Preparation for/integration of the most common A3 solutions

DELIVERY CONTENTS

- FST-2XT controller
- FSM-2 car top control module
- FPM-1 or FPM-2 car operating panel module
- Control cabinet 800 x 800 x 300 mm, or 800 x 1,000 x 300 mm
- Car top box, hot-dip galvanised with integrated inspection control
- Frequency inverter ZIEHL-ABEGG ZAdyn 4CA HY
- Prefabricated, pluggable flat travelling cables and motor and frequency inverter cables Position indicators*
- Car operating panels*
- Landing operating panels*
- Round or square* buttons

** optional*

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