

DR VCB / DR VAB

Frequency converters

Improve ride comfort and performance

Benefits at a glance

- Ensures smooth landing
- Improves stopping accuracy
- Increases availability
- Energy saving
- Contributes to low motor noise
- Cuts operational costs
- Easy installation

Access for all

Safety and comfort of an elevator go hand in hand with smooth operation and stopping accuracy. Eliminating trip hazards between car and landing floor is not only necessary for elderly people, people with handicaps or passengers pushing a baby buggy or shopping cart, but the new European Guideline EN 81-80 (SNEL Safety Norm for Existing Lifts) explicitly requires accessibility by avoiding any risk of stumbling or falling.

Economically and ecologically sound

Beyond comfort and safety for passengers, operators and owners of buildings demand an economical and ecological operation of their elevators. As the lifts consume a significant amount of energy in a building, responsible energy usage helps to cut operational costs. With a Schindler DR VCB or DR VAB you put these demands into practice. Successfully.

Driving with comfort

Schindler state-of-the-art frequency converters deliver full and precise control of velocity and motor power from zero to full speed. This not only leads to comfortable acceleration and deceleration but also to precise and safe levelling accuracy. The passengers benefit from a comfortable ride with no risk of tripping when stepping in or out of the car.

On time arrival

A modernised elevator also increases the level of availability. Thanks to shorter travel times, optimized timing and driving cycle, the elevator is always ready when you need it.

Ideal for mid range applications: DR VAB.

Requiring minimum space: DR VCB.



Triplex commercial installation. DR VAB frequency converter linked with a CO MX controller. Powered by DR SGB 142 machine.

Schindler Modernization



Schindler

KT	Kits
AC	Accessories
CW	Counter-weights
SA	Safeties
FI	Fixtures
CA	Cars
DO	Doors
MM	Mechanical material
CO	Controls
DR	Drives

Enjoy the silence

Be it users or operators. Both will enjoy the silence of operation. The high switching frequency of DR VCB and DR VAB results in low noise emissions. Enhanced living quality in every building.

Saving with every ride

An upgrade to a Schindler frequency converter results in energy savings with every ride. An optimized ride curve as well as low start peak current allows lower rated power supply and lean cabling.

Long term reliability

DR VCB/DR VAB increases the availability of your elevator. The optimized ride curve also leads to reduced abrasive wear of brakes, enhancing the life span of the existing elevator in the long term.

Trouble-free installation

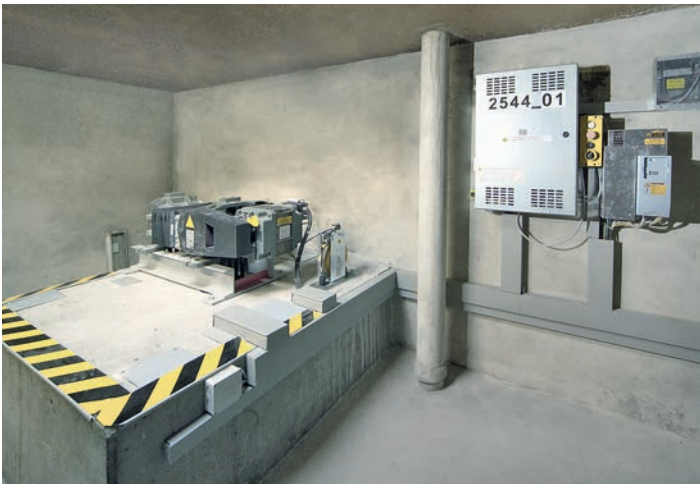
Updating your elevator with latest ACVF technology is trouble-free for both residents and operators. The system can be installed quickly, without major down times. With its compact design it can be mounted onto the wall or floor, requiring minimum space. Its sophisticated design contributes to improved handling during installation and maintenance.

The right upgrade for every building

DR VCB is designed to meet the requirements of residential and small commercial buildings, whereas DR VAB is laid out for more demanding commercial applications. The frequency converters fit many kinds of common existing controllers as well as the new Schindler controllers. Both can be combined with newest generation of Schindler machine drives or existing machine drives.

Depending on your individual requirements you may choose from a series of options for your modernization:

- 1. Adding frequency converter DR VCB/DR VAB to existing machine drive and controller.
- 2. Updating your elevator with DR VCB/DR VAB in combination with new controller. The existing machine drive remains.
- 3. Using an existing controller and installing frequency converter DR VCB/DR VAB plus new machine drive.
- 4. Upgrading the whole equipment to state-of-the-art performance with DR VCB/DR VAB plus new controller and new machine drive.



DR VAB linked with CO BX controller and DR SGB 142 machine.

Technical data

	DR VCB	DR VAB
Rated car speed VKN	up to 1.75 m/s	up to 2 m/s
Max no. of trips/hour	up to 180	up to 240
Levelling accuracy		
Open loop	± 10 mm	–
Closed loop	± 5 mm	± 3 mm
Controllers	CO BX Existing controllers	CO MX CO TX Existing controllers
Machines	DR SGB 142 Existing machines	DR SGB 142 PMS 400 Existing machines

No matter whether in combination with modernized or with existing controllers and machine drives, the frequency converters DR VCB and DR VAB are economical solutions for upgrading the ride comfort, safety and availability of your lift.

To suit your modernization needs, our specialists are looking forward to advising you on the optimum solution.

Find your nearest office:

www.schindler.com