



**ALIGA-TOR**  
SAVE YOUR ENERGY

## Technical Information

### Frequency converter

The control of ALIGA doors with a frequency converter, i.e. a variable frequency, is a type of motor control that drives an electric motor by varying the frequency and voltage of its power supply. In addition, it is able to control the ramp-up and ramp-down of the engine during starting and stopping and thus enables speeds from almost zero to the rated speed to be reached steplessly without the torque dropping.

When the drive controls the frequency and voltage of the power supplied to the motor, this is often referred to as speed control, as it adjusts the motor speed.

This motor control offers many advantages:

- Saving energy and improving the efficiency of the whole Door system.
- Gentle starting and braking of the door.
- Adaptation of the torque or the power of a drive to the door and process requirements.
- Reduction of the mechanical stress on the doors to extend their service life.
- Reduce peak load to avoid peak demand prices and reduce the required motor size.

In addition, the frequency converter control offers network and diagnostic functions to control performance in a targeted manner and increase productivity.



Picture: [www.feig.de](http://www.feig.de)