

The implemented motors offer the user the following advantages:

- Depending on the motor type used, service factors of up to 1.25 are possible, i.e. the motor can be continuously overloaded with 25 % of the rated output.
- Motors with “High Efficiency” to IEC 60034-30 IE2 or EPACT lead to significant energy savings under typical continuous duty. Please inquire regarding any efficiency requirements that exceed this.
- Noise-optimized versions.
- Under converter-fed operation, by setting the precise speed and therefore the operating point, a considerable energy saving can be achieved combined with reduced stress on the plant.
- The motors are suitable, in general, for mains-fed operation up to 690 V and converter-fed operation up to 460 V (with motor series 1LA8 to 500 V) (voltage rise times $t_s > 0.1$ ms).
- Extensive experience is available in customized applications especially with regard to special flanges and special bearings.