

The pump motors offer the user a number of advantages and benefits:

- Pump motors with located bearings at the drive end of the motor and with embedded thermistors can, in most cases, be supplied from stock
- Motors with increased efficiency to IEC 60034-30 IE2 or EPACT lead to significant energy savings under typical continuous duty
- 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