

Recommended motor types:

- Self-ventilated motors with “Standard Efficiency” IE1 acc. to IEC 60034-30 – Aluminum series 1LA7 and 1LA5 in the output range from 0.06 to 45 kW
- Self-ventilated motors with “Standard Efficiency” IE1 acc. to IEC 60034-30 – Aluminum series 1LE1 in the output range from 0.75 to 18.5 kW
- Self-ventilated motors with “Standard Efficiency” IE1 acc. to IEC 60034-30 – Cast-iron series 1LA6 and 1LG4 in the output range from 0.75 to 200 kW
- Self-ventilated motors with “High Efficiency” IE2 acc. to IEC 60034-30 – Aluminum series 1LA9 in the output range from 0.06 to 37 kW
- Self-ventilated motors with “High Efficiency” IE2 acc. to IEC 60034-30 – Aluminum series 1LE1 in the output range from 0.75 to 18.5 kW
- Self-ventilated motors with increased output and “Standard Efficiency” IE1 acc. to IEC 60034-30 – Cast-iron series 1LG4 in the output range from 15 to 110 kW
- Self-ventilated motors with increased output and “Standard Efficiency” IE1 acc. to IEC 60034-30 – Aluminum series 1LE1 in the output range from 2.2 to 22 kW
- Self-ventilated motors with increased output – Aluminum series 1LA9 with outputs from 0.14 to 53 kW
- Self-ventilated motors with increased output and “High Efficiency” IE2 acc. to IEC 60034-30 – Aluminum series 1LE1 in the output range from 2.2 to 22 kW

Recommended specifications:

Most applications require a non-variable speed, i.e. it is sufficient to feed the drive motors with a fixed, unchanging rated frequency. In an ever-increasing number of applications, it is necessary to match the pump to the overall plant accurately (based on the pump characteristic). The pumps must respond quickly to changing conditions in the plant, supplying the drive motors with a variable rated frequency (converter-fed operation) is desirable.

Pole-changing motors can also be used. In this way, coarse adaptation of the pump characteristic can be achieved (in accordance with the possible motor speeds). For information about adapting the drive motors to the requirements of the pump with reference to the type of construction (e.g. flange, feet or special) as well as for a number of other options, see “Special versions”.

For technical specifications, selection and ordering data and “Special versions”, see parts 1 “New Generation 1LE1/1PC1” and “Standard motors up to frame size 315 L”.