



### AC Three-phase Motors - IE4/IE3/IE2/IE1

#### TWO SPEED MOTORS

- Reliability and efficiency in a well-designed robust package
- Extensive customization options ensure motors match application needs



## TECHNICAL DATA

Motor Type

AM 160L ZA4/6 - 11/6.6 kW - 4/6 poles - 400V - 50Hz

## PERFORMANCE DATA

|                              |            |
|------------------------------|------------|
| Type                         | AM 160L ZA |
| Poles                        | 4/6        |
| kW                           | 11/6.6     |
| HP                           | 15/9       |
| rpm                          | 1470/960   |
| Mn Nm                        | 71.5/65.7  |
| $\eta$ 100%                  | 86/83.8    |
| cos Phi                      | 0.86/0.75  |
| $I_N$ 400V                   | 21.6/15.2  |
| $I_N$ 380-420V               | 22.5/16    |
| $I_A/I_N$                    | 7.2/5      |
| $M_A/M_N$                    | 2.3/1.8    |
| J $10^{-3}$ kgm <sup>2</sup> | 105.75     |
| kg                           | 106.5      |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | Aluminium                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6309/2Z                       |
| <b>Lubrication grease</b>           | low & high temperature grease |
| <b>Regreasing device horizontal</b> | permanent lubrication         |
| <b>Regreasing device vertical</b>   | permanent lubrication         |
| <b>Cooling</b>                      | IC 411                        |
| <b>Vibration Level</b>              | A (normal)                    |
| <b>Noise Lpa db(A)</b>              | 62                            |

## Electrical Data

|                   |                   |
|-------------------|-------------------|
| <b>Voltage</b>    | 400V - 50Hz       |
| <b>Connection</b> | SEPARATE WINDINGS |