



## 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 ZA4/2 - 12.5/15 kW - 4/2 poles - 400V - 50Hz

## PERFORMANCE DATA

|                              |            |
|------------------------------|------------|
| Type                         | AM 160L ZA |
| Poles                        | 4/2        |
| kW                           | 12.5/15    |
| HP                           | 17/20.4    |
| rpm                          | 1470/2955  |
| Mn Nm                        | 81.2/48.5  |
| $\eta$ 100%                  | 89.4/90.0  |
| cos Phi                      | 0.74/0.9   |
| $I_N$ 400V                   | 27.4/26.8  |
| $I_N$ 380-420V               | 29/28.2    |
| $I_A/I_N$                    | 4.8/7.4    |
| $M_A/M_N$                    | 2.1/2.3    |
| J $10^{-3}$ kgm <sup>2</sup> | 64.0       |
| kg                           | 108.7      |

# Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | Aluminium                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6309/2Z                       |
| Lubrication grease           | low & high temperature grease |
| Regreasing device horizontal | permanent lubrication         |
| Regreasing device vertical   | permanent lubrication         |
| Cooling                      | IC 411                        |
| Vibration Level              | A (normal)                    |
| Noise Lpa db(A)              | 74                            |

# Electrical Data

|            |                  |
|------------|------------------|
| Voltage    | 400V - 50Hz      |
| Connection | DAHLANDER - ?/YY |