



## 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 100L AA4/2 - 1.8/2.5 kW - 4/2 poles - 400V - 50Hz

## PERFORMANCE DATA

|  |            |
|--|------------|
| <b>Type</b>                              | AM 100L AA |
| <b>Poles</b>                             | 4/2        |
| <b>kW</b>                                | 1.8/2.5    |
| <b>HP</b>                                | 2.5/3.35   |
| <b>rpm</b>                               | 1420/2865  |
| <b>Mn Nm</b>                             | 12.1/8.3   |
| $\eta$ 100%                              | 78.5/77.4  |
| <b>cos Phi</b>                           | 0.76/0.84  |
| <b>I<sub>N</sub> 400V</b>                | 4.5/5.6    |
| <b>I<sub>N</sub> 380-420V</b>            | 4.7/5.8    |
| <b>I<sub>A</sub>/I<sub>N</sub></b>       | 5.2/5.5    |
| <b>M<sub>A</sub>/M<sub>N</sub></b>       | 2.2/2.2    |
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 4.6        |
| <b>kg</b>                                | 21.4       |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | Aluminium                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6206/2Z                       |
| <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>              | 66                            |

## Electrical Data

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