



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

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

# Mechanical Data

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

# Electrical Data

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