



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

AMV 90L AA8/4 - 0.18/1.1 kW - 8/4 poles - 400V - 50Hz

PERFORMANCE DATA

|                         |            |
|-------------------------|------------|
| Type                    | AMV 90L AA |
| Poles                   | 8/4        |
| kW                      | 0.18/1.1   |
| HP                      | 0.25/1.5   |
| rpm                     | 680/1400   |
| Mn Nm                   | 2.5/7.5    |
| $\eta$ 100%             | 60/70      |
| cos Phi                 | 0.65/0.82  |
| $I_N$ 400V              | 0.9/2.7    |
| $I_N$ 380-420V          | 1.0/2.8    |
| $I_A/I_N$               | 2.8/4      |
| $M_A/M_N$               | 1.5/2      |
| J 10 <sup>-3</sup> kgm² | 2.98       |
| kg                      | 15.7       |

# Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | Aluminium                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6205/2Z                       |
| 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)              | 49                            |

# Electrical Data

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