



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 160M ZA8/4 - 2.2/10 kW - 8/4 poles - 400V - 50Hz

PERFORMANCE DATA

|                                     |             |
|-------------------------------------|-------------|
| Type                                | AMV 160M ZA |
| Poles                               | 8/4         |
| kW                                  | 2.2/10      |
| HP                                  | 41334       |
| rpm                                 | 720/1450    |
| Mn Nm                               | 29.2/65.9   |
| $\eta$ 100%                         | 80/88       |
| cos Phi                             | 0.61/0.83   |
| $I_N$ 400V                          | 6.6/19.9    |
| $I_N$ 380-420V                      | 6.8/20.4    |
| $I_A/I_N$                           | 3.5/6       |
| $M_A/M_N$                           | 1.8/1.7     |
| J 10 <sup>-3</sup> kgm <sup>2</sup> | 81.25       |
| kg                                  | 88.5        |

# 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)              | 62                            |

# Electrical Data

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