



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 160L CA4/6 - 13/4 kW - 4/6 poles - 400V - 50Hz

PERFORMANCE DATA

|                                     |             |
|-------------------------------------|-------------|
| Type                                | AMV 160L CA |
| Poles                               | 4/6         |
| kW                                  | 13/4        |
| HP                                  | 17.7/5.4    |
| rpm                                 | 1460/970    |
| Mn Nm                               | 85/39.4     |
| $\eta$ 100%                         | 88/84.5     |
| cos Phi                             | 0.81/0.72   |
| $I_N$ 400V                          | 26.3/9.5    |
| $I_N$ 380-420V                      | 27.5/10     |
| $I_A/I_N$                           | 8/4.8       |
| $M_A/M_N$                           | 2.4/1.9     |
| J 10 <sup>-3</sup> kgm <sup>2</sup> | 105.75      |
| kg                                  | 106.5       |

# 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 | SEPARATE WINDINGS |