



**Single-phase Motors - IE2**

**STANDARD MOTORS**

- Customisation at all levels



**TECHNICAL DATA**

**Motor Type**

AMME 90L AA4 - 1.1 kW - 4 poles - 230V - 50Hz

**PERFORMANCE DATA**

|  |             |
|--|-------------|
| <b>Type</b>                              | AMME 90L AA |
| <b>Poles</b>                             | 4           |
| <b>kW</b>                                | 1.1         |
| <b>HP</b>                                | 1.5         |
| <b>rpm</b>                               | 1415        |
| $\eta$ 100%                              | 70          |
| <b>cos Phi</b>                           | 0.93        |
| <b>I<sub>N</sub> 230V</b>                | 7.4         |
| <b>I<sub>N</sub> 220-240V</b>            | 7.8         |
| <b>I<sub>A</sub>/I<sub>N</sub></b>       | 4.8         |
| <b>M<sub>A</sub>/M<sub>N</sub></b>       | 2.0         |
| <b>M<sub>K</sub>/M<sub>N</sub></b>       | 1.5         |
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 3.13        |
| <b>kg</b>                                | 15.4        |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | ALUMINIUM                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6205/2Z                       |
| <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>              | 49                            |

## Electrical Data

|                                  |                |
|----------------------------------|----------------|
| <b>Voltage</b>                   | 230V - 50Hz    |
| <b>Connection</b>                | 230V           |
| <b>Running Capacitor Microf</b>  | 25             |
| <b>Starting Capacitor Microf</b> | 108 - 130      |
| <b>Duty type</b>                 | S1             |
| <b>Thermal protection</b>        | na             |
| <b>Insulation class</b>          | F              |
| <b>Direction of rotation</b>     | bidirectional  |
| <b>Ambient temperature</b>       | -20°C / +40 °C |
| <b>Altitude</b>                  | 1000 m.a.s.l.  |