



## Single-phase Motors - IE2

### STANDARD MOTORS

- Customisation at all levels



## TECHNICAL DATA

Motor Type

AMME 90L BA2 - 1.5 kW - 2 poles - 230V - 50Hz

## PERFORMANCE DATA

| Type                         | AMME 90L BA |
|------------------------------|-------------|
| Poles                        | 2           |
| kW                           | 1.5         |
| HP                           | 2           |
| rpm                          | 2835        |
| $\eta$ 100%                  | 73          |
| cos Phi                      | 0.90        |
| $I_N$ 230V                   | 9.3         |
| $I_N$ 220-240V               | 9.6         |
| $I_A/I_N$                    | 5.1         |
| $M_A/M_N$                    | 2.5         |
| $M_K/M_N$                    | 2.1         |
| J $10^{-3}$ kgm <sup>2</sup> | 1.87        |
| kg                           | 17.3        |

# 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)              | 62                            |

# Electrical Data

|                           |                |
|---------------------------|----------------|
| Voltage                   | 230V - 50Hz    |
| Connection                | 230V           |
| Running Capacitor Microf  | 36             |
| Starting Capacitor Microf | 124 - 149      |
| Duty type                 | S1             |
| Thermal protection        | na             |
| Insulation class          | F              |
| Direction of rotation     | bidirectional  |
| Ambient temperature       | -20°C / +40 °C |
| Altitude                  | 1000 m.a.s.l.  |