



## AC Three-phase Motors - IE4/IE3/IE2/IE1

### HIGH EFFICIENCY MOTORS - IE2/CURUS

- Total reliability and longevity in a well-engineered package
- Extensive customization options ensure motors match application needs



## TECHNICAL DATA

### Motor Type

AMHE 63Z BA2 - 0.25 kW - 2 poles - 400V - 50Hz / 460V - 60Hz

## PERFORMANCE DATA

| Type        | AMHE 63Z BA |
|-------------|-------------|
| Poles       | 2           |
| kW          | 0.25        |
| HP          | 0.33        |
| rpm         | 2790        |
| Mn Nm       | 0.9         |
| $\eta$ 50%  | 60.8        |
| $\eta$ 75%  | 67.2        |
| $\eta$ 100% | 64.8        |
| cos Phi     | 0.68        |
| $I_N$       | 0.8         |
| $I_A/I_N$   | 4.5         |
| $M_A/M_N$   | 3.2         |

|                                 |      |
|---------------------------------|------|
| $M_S/M_N$                       | 3.2  |
| $M_K/M_N$                       | 3.3  |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 0.17 |
| kg                              | 4.1  |

## Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | ALUMINIUM                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6202/2Z                       |
| 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 / 460V - 60Hz |
| Connection            | ?/Y 230/400V              |
| 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.             |