



## Brake Motors - IE3/IE2/IE1

## STANDARD EFFICIENCY MOTORS - IE1

- Options make motors suitable for either onshore or offshore duties
- Engineered to give high performance with maximum efficiency
- Reliability & durability ensured through total control over component supply chains



## TECHNICAL DATA

### Motor Type

AMS 90L BA4 - 1.5 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type            | AMS 90L BA |
|-----------------|------------|
| Poles           | 4          |
| kW              | 1.5        |
| HP              | 2          |
| rpm             | 1400       |
| Mn Nm           | 10.2       |
| $\eta$ 50%      | 77.6       |
| $\eta$ 75%      | 77.8       |
| $\eta$ 100%     | 77.5       |
| cos Phi         | 0.78       |
| $I_N$ 400 V     | 3.6        |
| $I_N$ 380-400 V | 3.7        |
| $I_A/I_N$       | 5.7        |
| $M_A/M_N$       | 2.8        |

|                                     |      |
|-------------------------------------|------|
| $M_K/M_N$                           | 3    |
| J 10 <sup>-3</sup> kgm <sup>2</sup> | 3.85 |
| Mb max Nm                           | 7    |
| zL <sup>1)</sup> c/h                | 3350 |
| kg                                  | 16.3 |

## 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)              | 49                            |

## Electrical Data

|                       |                |
|-----------------------|----------------|
| Voltage               | 400V - 50Hz    |
| 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.  |