



**Motori Autofrenanti - IE3/IE2/IE1**

**MOTORI HIGH EFFICIENCY - IE2**

- Completamente customizzabile anche per ambienti off shore
- Alta progettualità e prestazioni elevate
- Qualità totale con il controllo completo su tutti i componenti



**TECHNICAL DATA**

**Motor Type**

AMHES 90S AA4 - 1.1 kW - 4 poles - 400V - 50Hz

**PERFORMANCE DATA**

|                                    |              |
|------------------------------------|--------------|
| <b>Type</b>                        | AMHES 90S AA |
| <b>Poles</b>                       | 4            |
| <b>kW</b>                          | 1.1          |
| <b>HP</b>                          | 1.5          |
| <b>rpm</b>                         | 1430         |
| <b>Mn Nm</b>                       | 7.3          |
| $\eta$ 50%                         | 81.4         |
| $\eta$ 75%                         | 82.7         |
| $\eta$ 100%                        | 82.5         |
| <b>cos Phi</b>                     | 0.77         |
| <b>I<sub>N</sub></b>               | 2.5          |
| <b>I<sub>A</sub>/I<sub>N</sub></b> | 6.1          |
| <b>M<sub>A</sub>/M<sub>N</sub></b> | 4            |
| <b>M<sub>K</sub>/M<sub>N</sub></b> | 4.1          |

|  |      |
|--|------|
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 4.43 |
| <b>Mb max Nm</b>                         | 7    |
| <b>zL 1) c/h</b>                         | 3250 |
| <b>kg</b>                                | 17.5 |

## 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>               | 400V - 50Hz    |
| <b>Connection</b>            | ?/Y 230/400V   |
| <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.  |