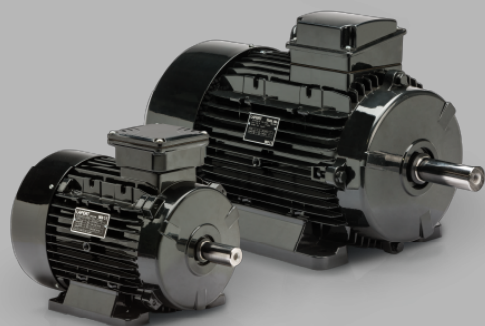




## AC Three-phase Motors - IE4/IE3/IE2/IE1

### PREMIUM EFFICIENCY MOTORS - IE3/CURUS

- IE3 Premium Efficiency compliant since 2010
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



## TECHNICAL DATA

Motor Type

AMPE 225S PG4 - 37 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type        | AMPE 225S PG |
|-------------|--------------|
| Poles       | 4            |
| kW          | 37           |
| HP          | 50           |
| rpm         | 1485         |
| Mn Nm       | 237.9        |
| $\eta$ 50%  | 92.0         |
| $\eta$ 75%  | 93.9         |
| $\eta$ 100% | 93.9         |
| cos Phi     | 0.86         |
| $I_N$       | 66.1         |
| $I_A/I_N$   | 7.4          |
| $M_A/M_N$   | 2.0          |
| $M_S/M_N$   | 1.9          |

|                                          |     |
|------------------------------------------|-----|
| <b>M<sub>K</sub>/M<sub>N</sub></b>       | 2.3 |
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 406 |
| <b>kg</b>                                | 328 |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | Cast iron                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6313 C3                       |
| <b>Lubrication grease</b>           | low & high temperature grease |
| <b>Regreasing device horizontal</b> | 4.600 hours                   |
| <b>Regreasing device vertical</b>   | 4.600 hours                   |
| <b>Grease Quantity</b>              | 25 gr                         |
| <b>Cooling</b>                      | IC 411                        |
| <b>Vibration Level</b>              | A (normal)                    |
| <b>Noise Lpa db(A)</b>              | 76                            |

## Electrical Data

|                              |                |
|------------------------------|----------------|
| <b>Voltage</b>               | 400V - 50Hz    |
| <b>Connection</b>            | ?/Y 400/690V   |
| <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.  |