



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

SUPER PREMIUM EFFICIENCY MOTORS - IE4/CURUS

- Wide range from 0.75 to 200kW
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



TECHNICAL DATA

Motor Type

AMQE 160L CA44 - 15 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

| | |
|------------------------------------|---------------|
| Type | AMQE 160L CA4 |
| Poles | 4 |
| kW | 15 |
| HP | 20 |
| rpm | 1480 |
| Mn Nm | 97.4 |
| η 50% | 91.8 |
| η 75% | 93.3 |
| η 100% | 93.9 |
| cos Phi | 0.80 |
| I_N 400V | 29.0 |
| I_N 460V | - |
| I_N 575V | - |
| I_A/I_N | 8.1 |

| | |
|---------------------------------|-------|
| M_A/M_N | 1.9 |
| M_S/M_N | 1.3 |
| M_K/M_N | 3.0 |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 135.0 |
| kg | 125.0 |

Mechanical Data

| | |
|------------------------------|-------------------------------|
| Design | Aluminium |
| Degree of protection | IP 55 |
| Bearings DE/NDE | 6309/2Z |
| Lubrication grease | low & high temperature grease |
| Regreasing device horizontal | permanent lubrication |
| Regreasing device vertical | permanent lubrication |
| Grease Quantity | - |
| Cooling | IC 411 |
| Vibration Level | A (normal) |
| Noise Lpa db(A) | 62 |

Electrical Data

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