



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

AMQH 100L AA2 - 3 kW - 2 poles - 460V - 60Hz / 575V - 60Hz

PERFORMANCE DATA

| | |
|---------------------------|--------------|
| Type | AMQH 100L AA |
| Poles | 2 |
| kW | 3 |
| HP | 4 |
| rpm | 3555 |
| Mn Nm | 8.2 |
| η 50% | 84.9 |
| η 75% | 88.5 |
| η 100% | 89.5 |
| cos Phi | 0.82 |
| I_N 400V | - |
| I_N 460V | 5.1 |
| I_N 575V | 4.1 |

| | |
|---------------------------------|------|
| I_A/I_N | 14.2 |
| M_A/M_N | 4.9 |
| M_S/M_N | 4.3 |
| M_K/M_N | 6.8 |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 7.3 |
| kg | 26.5 |

Mechanical Data

| | |
|------------------------------|-------------------------------|
| Design | Aluminium |
| Degree of protection | IP 55 |
| Bearings DE/NDE | 6206/2Z |
| 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) | 66 |

Electrical Data

| | |
|-----------------------|---------------------------|
| Voltage | 460V - 60Hz / 575V - 60Hz |
| Connection | |
| 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. |