



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

TWO SPEED MOTORS

- Reliability and efficiency in a well-designed robust package
- Extensive customization options ensure motors match application needs



TECHNICAL DATA

Motor Type AM 160M YA4/6 - 5.5/3.7 kW - 4/6 poles - 400V - 50Hz

PERFORMANCE DATA

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|--|------------|
| Type | AM 160M YA |
| Poles | 4/6 |
| kW | 5.5/3.7 |
| HP | 7.5/5 |
| rpm | 1480/970 |
| Mn Nm | 35.5/36.4 |
| η 100% | 84/81.4 |
| cos Phi | 0.79/0.73 |
| I_N 400V | 12/9 |
| I_N 380-420V | 12.9/9.6 |
| I_A/I_N | 7.5/4.5 |
| M_A/M_N | 2.5/1.6 |
| J 10⁻³ kgm² | 81.25 |
| kg | 88.5 |

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 |
| Cooling | IC 411 |
| Vibration Level | A (normal) |
| Noise Lpa db(A) | 62 |

Electrical Data

| | |
|-------------------|-------------------|
| Voltage | 400V - 50Hz |
| Connection | SEPARATE WINDINGS |