KEM MOTOR

# 3L315M-6

## Technical data sheet

| General data | |
|---|---|
| Frame size | 315M |
| Housing material | Casting iron |
| Install model | According to the standard |
| Type of feet | Fixed feet |
| Net weight | 1040 |
| Insulation class | F |
| Protection degree | IP 55 |
| Thermal protection | 3x PTC 150°C |
| Rotation direction | Clockwise |
| Service duty | S1 |
| Vibration level | A |
| Balance | Half-key balanced |
| Cable glands | 2×M63 |
| Cooling | IC 411 |
| Painting color | RAL 5010 |
| Regulations | IEC / DIN / ISO / VDE / EN |
| Standard | IEC 60034 |

| Environmental conditions | |
|---|---|
| Ambient temperature | From -20°C to +40°C |
| Maximum altitute | 1000 m above sea level |

| Electrical data | | |
|---|---|---|
| Output | 90 | kW |
| Frequency | 50 | Hz |
| Voltage (±5%) | 400 | V Δ @ 50Hz |
| | 690 | V Y @ 50Hz |
| Rotation speed | 990 | RPM @ 50Hz |
| | 1188 | RPM @ 60Hz |
| Rated current | 161 | A (In) @ Δ 50Hz |
| | 93 | A (In) @ Y 50Hz |
| Starting current | 6.7 | ×In |
| Rated torque | 868.2 | Nm (Mn) |
| Starting torque | 2 | ×Mn |
| Breakdown torque | 2 | ×Mn |
| Efficiency | IE3 | |
| | 94.90% | @ 100% load |
| | 94.70% | @ 75% load |
| | 93.80% | @ 50% load |
| Power factor cosφ | 0.85 | @ 100% load |
| Bearings brand | SKF/NSK/FAG Explorer | |
| Bearings type | NU319 C3 | (DE) |
| | 6319 C3 | (NDE) |

| Mechanical data | | |
|---|---|---|
| Allowed radial load | | - |
| Allowed axial load | | - |
| Lubrication interval of NDE bearing | | 3000 |
| Lubrication interval of DE bearing | | 3000 |
| Moment of inertia | 4.5003 | Kg*m² |
| Noise level | 83 | dB(A) |