

Data sheet

Item no. / Configuration 01 / 2106250-37.0-020202-S-A01750
Description HMC2-250M-6 400/690 V 50 Hz 37 kW

| General data | |
|--------------------------------|---|
| Standard series | IEC 60034 |
| Type | HMC2 250M-6 |
| Design | 400 VD / 690 VY 50 Hz + 480 VD / 830 VY 60 Hz |
| Direction of rotation | CW |
| Installation max. altitude (m) | 1.000 |
| Poles | 6 |

| Motor protection | |
|------------------------|----------------------------|
| Winding temp. detector | No |
| Temp. detector type | None |
| Bearing detector | No |
| Winding PTC main | PTC 3 x 155°C |
| Winding PTC spare | None |
| Space heater | 230 V 80 W |
| Terminal board thread | M10 |
| Electrical insulation | Standard (1350 V @ 0.8 µs) |
| Tropical insulation | Yes |
| SPM | N/A |
| External grounding | Yes |
| Drain hole | Yes |
| Rain cap | No |

| Classification | |
|---------------------------|------|
| Class society | |
| Shaft requirement acc. to | None |
| Ex. code | No |

| Mechanical data | |
|--|---------------------------------|
| Frame / Shaft height | IEC 250 |
| Type of construction | B5 |
| Cooling method | IC411 |
| Protection class | IP55 |
| Temp. insulation class | F |
| Frame material | Cast iron |
| Keyway | Closed |
| Balancing | Half key |
| IEC vibration class | A |
| Weight (kg) | 416 |
| Bearing (DE) | 6314 / C3 / DGBB |
| Bearing (NDE) | 6313 / C3 / DGBB |
| Fixed bearing | DE |
| Moment of inertia (kg×m ²) | 1 |
| Painting (color) | RAL 9005 |
| Corrosion protection | C3L |
| Main terminal box pos. | DE top |
| Main cable entries | Cable gland 2xM63x1.5 Ø37-44 mm |
| Main cable direction | Right from DE |
| Main cable material | Nickel plated brass |
| Aux. cable entries | Blind cap 2xM20x1.5 |
| Aux. cable direction | NDE |
| Aux. cable material | Nickel plated brass |

| Winding operation variants | | | | |
|----------------------------|--------------------|--------------------|--------------------|--|
| Rated power (kW) | 37 | 35.9 | 43.1 | |
| Frequency (Hz) | 50 | 50 | 60 | |
| Connection | D/Y | D/Y | D/Y | |
| Voltage (V) | 400 / 690 | 380 / 660 | 440 / 762 | |
| Full load current (A) | 65.5 / 38 | 71.5 / 41.5 | 69.5 / 40.4 | |
| No load current (A) | 18 | 20.9 | 23.3 | |
| Speed (rpm) | 973 | 973 | 1168 | |
| Power factor 100/75/50 (%) | 0.89 / 0.88 / 0.82 | 0.9 / 0.88 / 0.83 | 0.89 / 0.88 / 0.82 | |
| Efficiency 100/75/50 (%) | 91.2 / 92.2 / 92.3 | 91.2 / 92.2 / 92.3 | 91.2 / 92.2 / 92.3 | |
| Efficiency class | IE2 | IE2 | IE1 | |
| Full load torque (Nm) | 363 | 352 | 352 | |
| Tst/Tn | 3.33 | 3.05 | 3.33 | |
| Tmax/Tn | 3.1 | 2.84 | 3.1 | |
| Ist/In | 8.2 | 7.26 | 8.45 | |
| Temp. rise class | F | F | F | |
| Duty | S1 | S1 | S1 | |
| Sound pressure level (dBA) | 65.6 | 65.6 | 70.6 | |
| Min. ambient temp. (°C) | -20°C | -20°C | -20°C | |
| Max. ambient temp. (°C) | 40°C | 45°C | 45°C | |

Data are not binding. Hoyer reserves the right to implement changes without notice. The extent of data are not equivalent to nameplate on the motors.