

Data sheet

Item no. / Configuration 01 / 2106315-75.0-010202-S-A01759
Description HMC2-315S-6 400/690 V 50 Hz 75 kW

| General data | |
|--------------------------------|---|
| Standard series | IEC 60034 |
| Type | HMC2 315S-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 100 W |
| Terminal board thread | M16 |
| 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 315 |
| Type of construction | B3 |
| 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) | 840 |
| Bearing (DE) | 6319 / C3 / DGBB |
| Bearing (NDE) | 6319 / C3 / DGBB |
| Fixed bearing | DE |
| Moment of inertia (kg×m ²) | 4 |
| 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) | 75 | 72.8 | 87.3 | |
| Frequency (Hz) | 50 | 50 | 60 | |
| Connection | D/Y | D/Y | D/Y | |
| Voltage (V) | 400 / 690 | 380 / 660 | 440 / 762 | |
| Full load current (A) | 138 / 79.8 | 150 / 87.1 | 146 / 84.8 | |
| No load current (A) | 51.2 | 59.7 | 66.5 | |
| Speed (rpm) | 988 | 988 | 1186 | |
| Power factor 100/75/50 (%) | 0.85 / 0.82 / 0.73 | 0.85 / 0.82 / 0.74 | 0.85 / 0.82 / 0.73 | |
| Efficiency 100/75/50 (%) | 92.8 / 93.1 / 92.7 | 92.8 / 93.1 / 92.7 | 92.8 / 93.1 / 92.7 | |
| Efficiency class | IE2 | IE2 | IE1 | |
| Full load torque (Nm) | 723 | 701 | 701 | |
| Tst/Tn | 2.3 | 2.11 | 2.3 | |
| Tmax/Tn | 2.66 | 2.44 | 2.66 | |
| Ist/In | 6.6 | 5.85 | 6.8 | |
| Temp. rise class | B | F | F | |
| Duty | S1 | S1 | S1 | |
| Sound pressure level (dBA) | 75.1 | 75.1 | 80.1 | |
| 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.