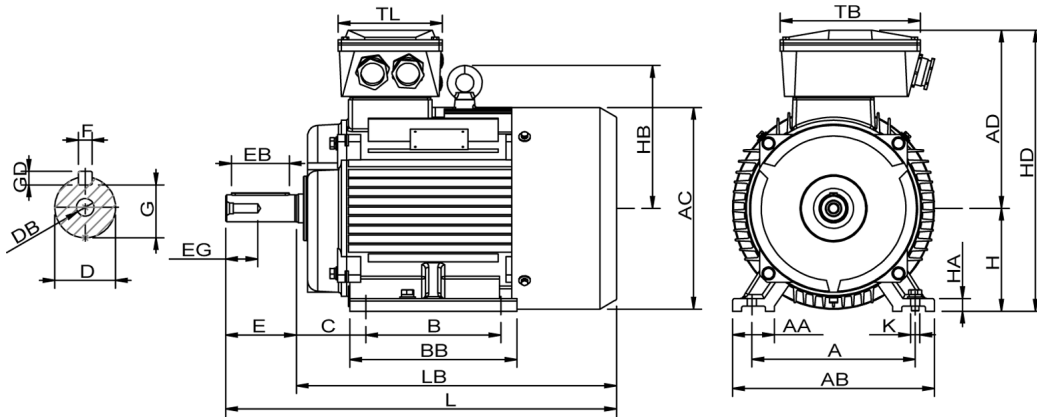


Data Sheet

Itemnumber....: 3223550109



| | | | | | | | | |
|----------|----------|----------|----------|-----------|---------|-----------|-----------|----------|
| A = 610 | AC = 698 | BB = 750 | DB = M24 | EG = 56 | GD = 12 | HB = 492 | L = 1489 | TL = 330 |
| AA = 116 | AD = 661 | C = 254 | E = 140 | F = 20 | H = 355 | HD = 1016 | LB = 1349 | |
| AB = 726 | B = 560 | D = 75 | EB = 130 | G = 67,50 | HA = 52 | K = 28 | TB = 460 | |

Version

Type.....: HMC2 35M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

| | |
|--------------------------|-------------------|
| Efficiency..... | IE2 |
| Pole..... | 2 |
| Power at 50 Hz (kW)..... | 250 |
| Hz..... | 60 (60 Hz output) |
| Voltage..... | 440VD |
| Winding voltage..... | 400VD/690VY 50 Hz |
| Power output (kW)..... | 290 |
| Duty..... | S1 |
| Insulation class..... | F |
| Temperature rise..... | F |

Mechanical design

| | |
|-------------------------|--------------------|
| Frame size..... | 355 |
| Mounting..... | B3 |
| Rain cap..... | No |
| Protection class..... | IP55 |
| Cooling method..... | IC411/TEFC |
| External grounding..... | Yes |
| Drain hole..... | Yes |
| Frame material..... | Cast Iron |
| Material approval..... | None |
| Shaft..... | IEC Standard |
| Key..... | Closed key |
| Balancing..... | Half key balancing |
| Vibration class..... | Grade-A |
| Weight (kg)..... | 1.820 |

Environment condition

```
Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 45
Altitude (mtr up to).....: 1000
```

Bearing

DE Bearing.....: 6319/C3
NDE Bearing.....: 6319/C3
Fixed bearing.....: DE

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
  Main.....: 2 x M72x2,0
               Ø46-52mm metal
  Accessory.....: 2 x M20x1,5
                  Metal blindcaps
Terminal board thread.....: 6-M16
```

Test values

Rotor inertia (kgm²).....: 3,75
 No load current (A).....: 96,0
 Winding resist. (ohm).....: 0,0049
 Starting time (sec.).....: 0,69

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 100W
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: Yes

```

Explosion protection

```
According to.....: None
Type of protection.....: None
```

General

Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage + VFD
Special packing.....: No
Special requirements.....: No

| | | | | |
|---------------------------|------------------|------------------|------------------|------------------|
| Rated power (kW) | 250 | 242 | 300 | 290 |
| Frequency (Hz) | 50 | 50 | 60 | 60 |
| Voltage (V) | 400 690 | 380 660 | 480 830 | 440 |
| Connection | D Y | D Y | D Y | D |
| Full load current (A) | 410 236 | 420 244 | 410 236 | 430 |
| Speed (rpm) | 2980 | 2980 | 3570 | 3570 |
| Power factor cos(phi) | 0,93 | 0,93 | 0,93 | 0,93 |
| Efficiency, 100/75/50 (%) | 95,0/ 94,3 /92,7 | 95,0/ 94,3 /92,7 | 95,0/ 94,3 /92,7 | 94,8/ 94,0 /92,3 |
| Ist/In | 7,40 | 6,50 | 7,40 | 6,80 |
| Full load torque (Nm) | 800 | 775 | 800 | 775 |
| Tst/Tn | 1,68 | 1,56 | 1,68 | 1,46 |
| Tmax/Tn | 3,55 | 3,30 | 3,55 | 3,05 |
| Duty | S1 | S1 | S1 | S1 |
| Ambient temp. (°C) | 40 | 45 | 40 | 45 |