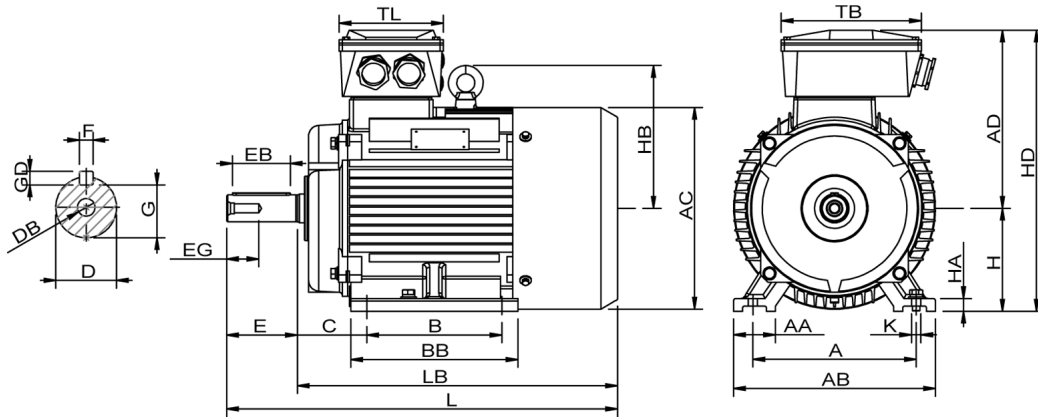


# Data Sheet

Itemnumber....: 3263550109



|          |          |          |          |         |         |           |           |          |
|----------|----------|----------|----------|---------|---------|-----------|-----------|----------|
| A = 610  | AC = 698 | BE = 750 | DB = M24 | EG = 56 | GD = 14 | HB = 492  | L = 1519  | TL = 330 |
| AA = 116 | AD = 661 | C = 254  | E = 170  | F = 25  | H = 355 | HD = 1016 | LB = 1349 |          |
| AB = 726 | B = 560  | D = 95   | EB = 160 | G = 86  | HA = 52 | K = 28    | TB = 460  |          |

## Version

Type.....: HMC2 355M1-6  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

|                          |                   |
|--------------------------|-------------------|
| Efficiency.....          | IE2               |
| Pole.....                | 6                 |
| Power at 50 Hz (kW)..... | 160               |
| Hz.....                  | 60 (60 Hz output) |
| Voltage.....             | 440VD             |
| Winding voltage.....     | 400VD/690VY 50 Hz |
| Power output (kW).....   | 186               |
| Duty.....                | S1                |
| Insulation class.....    | F                 |
| Temperature rise.....    | B                 |

## 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).....: 1.540

```

## Environment condition

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

## 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

Bearing

DE Bearing.....: 6322/C3  
NDE Bearing.....: 6322/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).....: 9,77
Noise level (dB(A)).....: 74
No load current (A).....: 95,0
Winding resist. (ohm).....: 0,011
Starting time (sec.).....: 0,31
Temp. rise winding (K).....: 55
Temp. rise surface (K).....: 40

```

|                           |                  |                  |                  |                  |
|---------------------------|------------------|------------------|------------------|------------------|
| Rated power (kW)          | 160              | 156              | 192              | 186              |
| 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)     | 280 162          | 290 168          | 280 162          | 295              |
| Speed (rpm)               | 990              | 990              | 1180             | 1180             |
| Power factor cos(phi)     | 0,87             | 0,87             | 0,87             | 0,88             |
| Efficiency, 100/75/50 (%) | 94,8/ 94,9 /94,2 | 94,8/ 94,9 /94,2 | 94,8/ 94,9 /94,2 | 94,4/ 94,5 /93,8 |
| Ist/In                    | 6,80             | 5,95             | 6,80             | 6,25             |
| Full load torque (Nm)     | 1.540            | 1.500            | 1.540            | 1.500            |
| Tst/Tn                    | 2,28             | 2,12             | 2,28             | 1,98             |
| Tmax/Tn                   | 2,95             | 2,75             | 2,95             | 2,55             |
| Duty                      | S1               | S1               | S1               | S1               |
| Ambient temp. (°C)        | 40               | 45               | 40               | 45               |