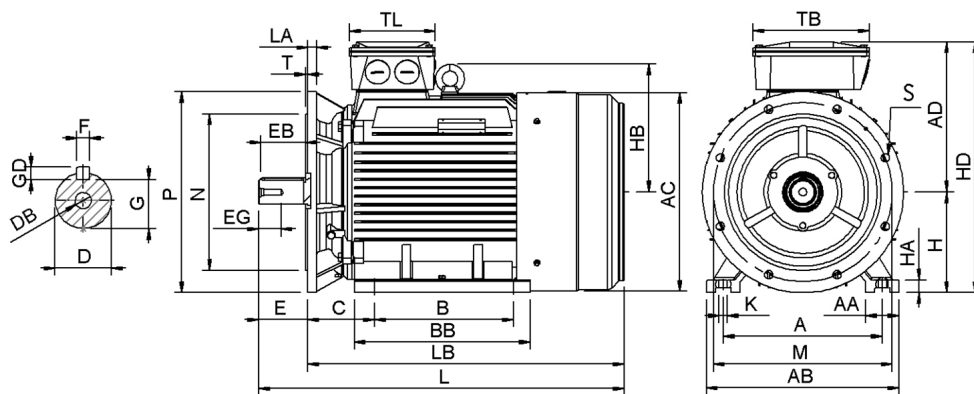


Data Sheet

Itemnumber....: 5543550400



| | | | | | | | | | | |
|----------|----------|----------|----------|---------|---------|-----------|-----------|---------|-----------|----------|
| A = 610 | AC = 699 | BB = 750 | DB = M24 | EG = 56 | GD = 14 | HB = 489 | L = 1537 | M = 740 | S = 8-024 | TL = 330 |
| AA = 116 | AD = 664 | C = 254 | E = 170 | F = 25 | H = 355 | HD = 1019 | LA = 25 | N = 680 | T = 6 | |
| AB = 726 | B = 560 | D = 95 | EB = 160 | G = 86 | HA = 52 | K = 28 | LB = 1367 | P = 800 | TB = 460 | |

Version

Type.....: HMC3 355M-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

| | |
|--------------------------|-------------------|
| Efficiency..... | IE3 |
| Pole..... | 4 |
| Power at 50 Hz (kW)..... | 250 |
| Hz..... | 50 |
| Voltage..... | 400VD/690VY |
| Winding voltage..... | 400VD/690VY 50 Hz |
| Power output (kW)..... | 250 |
| Duty..... | S1 |
| Insulation class..... | F |
| Temperature rise..... | B |

Mechanical design

| | |
|-------------------------|--------------------|
| Frame size..... | 355 |
| Mounting..... | B35 |
| 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)..... | 1.793 |

Environment condition

```
Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 40
Altitude (mtr up to).....: 1000
```

Bearing

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
                Metal blindcaps
    Accessory.....: 2 x M20x1,5
                Metal blindcaps
Terminal board thread.....: 6-M16

```

Motor protection

```
Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: None
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: No
```

Explosion protection

```

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

```

General

```

Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage
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) | 415 242 | 430 250 | 415 242 | 430 |
| Speed (rpm) | 1490 | 1490 | 1790 | 1790 |
| Power factor cos(phi) | 0,90 | 0,91 | 0,90 | 0,91 |
| Efficiency, 100/75/50 (%) | 96,0/ 96,1 /95,6 | 96,0/ 96,1 /95,6 | 96,0/ 96,1 /95,6 | 95,7/ 95,8 /95,3 |
| Ist/In | 6,45 | 5,65 | 6,45 | 5,90 |
| Full load torque (Nm) | 1.600 | 1.560 | 1.600 | 1.560 |
| Tst/Tn | 1,86 | 1,72 | 1,86 | 1,60 |
| Tmax/Tn | 2,30 | 2,14 | 2,30 | 2,00 |
| Duty | S1 | S1 | S1 | S1 |
| Ambient temp. (°C) | 40 | 45 | 40 | 45 |