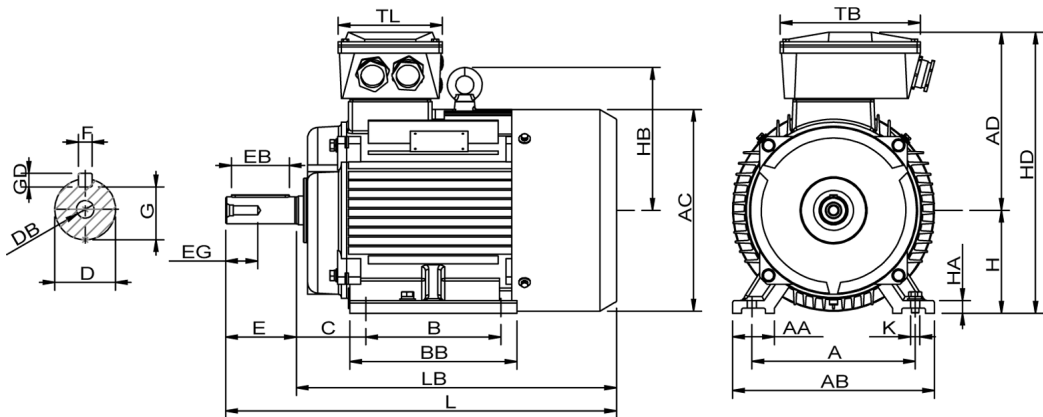


Data Sheet

Itemnumber....: 3242500109



A = 406	AC = 484	BB = 445	DB = M20	EG = 56	GD = 11	HB = 317	L = 910	TL = 230
AA = 80	AD = 374	C = 168	E = 140	F = 18	H = 250	HD = 624	LB = 770	
AB = 484	B = 349	D = 65	EB = 110	G = 58	HA = 30	K = 24	TB = 305	

Version

Type.....: HMC2 250M-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	: IE2
Pole.....	: 4
Power at 50 Hz (kW).....	: 55,0
Hz.....	: 60 (60 Hz output)
Voltage.....	: 440VVD
Winding voltage.....	: 400VVD/690VY 50 Hz
Power output (kW).....	: 64,0
Duty.....	: S1
Insulation class.....	: F
Temperature rise.....	: B

Mechanical design

```

Frame size.....: 250
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).....: 415

```

Environment condition

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

Bearing

DE Bearing.....: 6314/C3
NDE Bearing.....: 6313/C3
Fixed bearing.....: DE

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
  Main.....: 2 x M63x1,5
               Ø37-44mm metal
  Accessory.....: 2 x M20x1,5
                  Metal blindcaps
Terminal board thread.....: 6-M10
```

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 80W
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)	55,0	53,5	66,0	64,0
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) . . .	95,5 55,5	98,5 57,0	95,5 55,5	100,0
Speed (rpm)	1490	1490	1780	1780
Power factor cos(phi) . . .	0,89	0,89	0,89	0,90
Efficiency, 100/75/50 (%) :	93,5/ 93,9 /93,2	93,5/ 93,9 /93,2	93,5/ 93,9 /93,2	93,0/ 93,4 /92,7
Ist/In	7,15	6,30	7,15	6,60
Full load torque (Nm) . . .	355	345	355	345
Tst/Tn	2,28	2,12	2,28	1,98
Tmax/Tn	3,20	2,95	3,20	2,75
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45