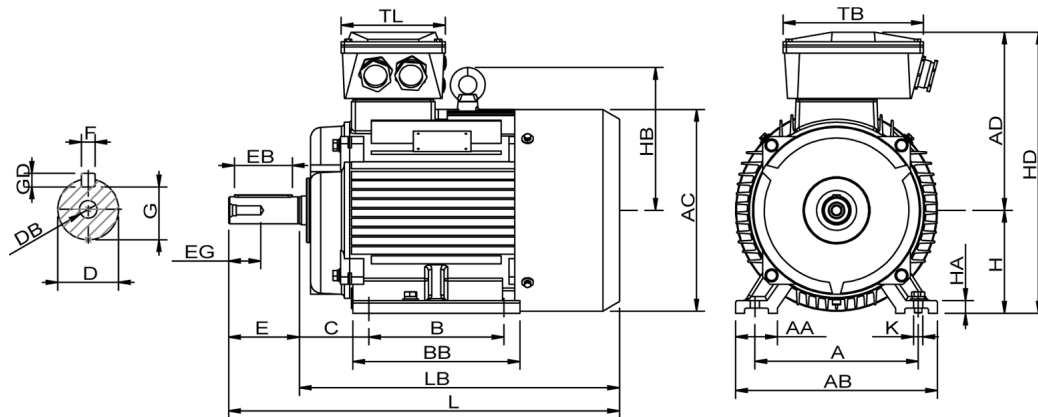


# Data Sheet

Itemnumber....: 3262500109



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

## Electrical design

Efficiency.....	: IE2
Pole.....	: 6
Power at 50 Hz (kW).....	: 37,0
Hz.....	: 60 (60 Hz output)
Voltage.....	: 440VD
Winding voltage.....	: 400VD/690VY 50 Hz
Power output (kW).....	: 43,0
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).....	416

## Environment condition

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

Bearing

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

Terminal box

Thox 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

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)	37,0	36,0	44,5	43,0
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)	65,0 37,5	67,0 38,5	65,0 37,5	68,5
Speed (rpm)	970	970	1180	1180
Power factor cos(phi)	0,89	0,90	0,89	0,90
Efficiency, 100/75/50 (%)	92,2/ 92,2 /92,3	92,2/ 92,2 /92,3	92,2/ 92,2 /92,3	91,7/ 91,7 /91,8
Ist/In	8,25	7,25	8,25	7,55
Full load torque (Nm)	365	350	365	350
Tst/Tn	3,35	3,10	3,35	2,90
Tmax/Tn	3,10	2,90	3,10	2,70
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45