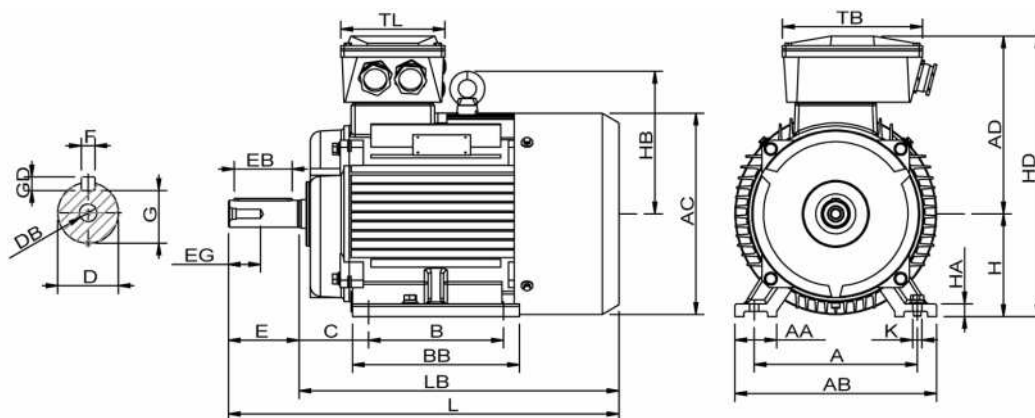


Data Sheet

Itemnumber....: 3242501109



A = 406	AC = 505	BB = 450	DB = M20	EG = 56	GD = 11	HB = 361	L = 1018	TL = 230
AA = 80	AD = 390	C = 168	E = 140	F = 18	H = 250	HD = 640	LB = 878	
AB = 484	B = 349	D = 65	EB = 110	G = 58	HA = 30	K = 24	TB = 305	

Version

Type..... HMC2 250M1-4
 Design..... Induction motor
 Standard series..... IEC 60034
 Phase / Voltage range..... 3~ / Low

Electrical design

Efficiency.....	IE2
Pole.....	4
Power at 50 Hz (kw).....	75,0
Hz.....	60 (60 Hz output)
Voltage.....	440VD 60 Hz
Winding voltage.....	400VD/690VY 50 Hz
Power output (kw).....	87,5
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

Frame size.....	250M1
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).....	515

Environment condition

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

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Bearing

Bearing.....: 6315/C3
NDE Bearing.....: 6314/C3
Fixed bearing.....: DE

Terminal box

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
Connection type.....	Delta (D)
Terminal board thread.....	6-M10

Test values

Rotor inertia (kgm ²).....	1,04
No load current (A).....	44,5
Winding resist. (ohm).....	0,070
Starting time (sec.).....	0,17

Motor protection

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

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Explosion protection

According to.....: None

General

Direction of rotation.....: CW
Painting.....: RAL 9005 Gloss 10
Nameplate.....: Multivoltage + VFD
Special packing.....: No
Special requirements.....: No

Rated power (kW)	75,0	73,0	90,0	87,5
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)	132 75,5	134 78,0	132 75,5	136
Speed (rpm)	1480	1480	1780	1780
Power factor cos(phi)	0,89	0,89	0,89	0,90
Efficiency, 100/75/50 (%) . .	94,3/94,3/93,6	94,3/94,3/93,6	94,3/94,3/93,6	93,9/93,9/93,2
Ist/In	6,5	5,7	6,5	6,0
Full load torque (Nm)	485	470	485	470
Tst/Tn	2,1	2,0	2,1	1,8
Tmax /Tn	2,9	2,7	2,9	2,5
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45