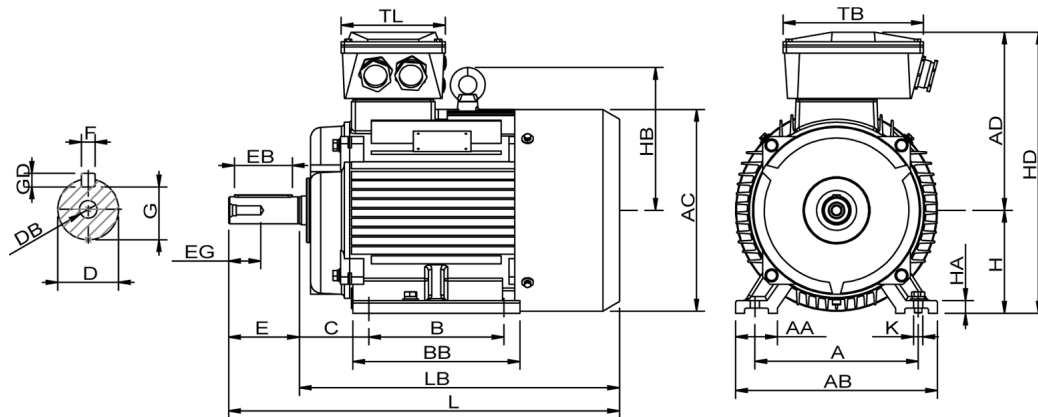


# Data Sheet

Itemnumber....: 3263152109



A = 508	AC = 620	BB = 680	DB = M20	EG = 56	GD = 14	HB = 432	L = 1318	TL = 280
AA = 120	AD = 546	C = 216	E = 170	F = 22	H = 315	HD = 861	LB = 1148	
AB = 628	B = 508	D = 80	EB = 140	G = 71	HA = 45	K = 28	TB = 400	

## Version

Type.....: HMC2 315L1-6  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....	IE2
Pole.....	6
Power at 50 Hz (kW).....	110
Hz.....	60 (60 Hz output)
Voltage.....	440VD
Winding voltage.....	400VD/690VY 50 Hz
Power output (kW).....	128
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

## Mechanical design

Frame size.....	315
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).....	1.050

## Environment condition

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

Bearing

DE Bearing.....: 6319/C3  
NDE Bearing.....: 6319/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-M16
```

## 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

Rated power (kW)	110	106	132	128
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)	200 116	206 120	200 116	208
Speed (rpm)	990	990	1180	1180
Power factor cos(phi)	0,84	0,85	0,84	0,86
Efficiency, 100/75/50 (%)	94,3/ 93,9 /93,3	94,3/ 93,9 /93,3	94,3/ 93,9 /93,3	93,9/ 93,4 /92,9
Ist/In	6,90	6,05	6,90	6,35
Full load torque (Nm)	1.060	1.020	1.060	1.020
Tst/Tn	2,50	2,32	2,50	2,16
Tmax/Tn	2,70	2,48	2,70	2,32
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45