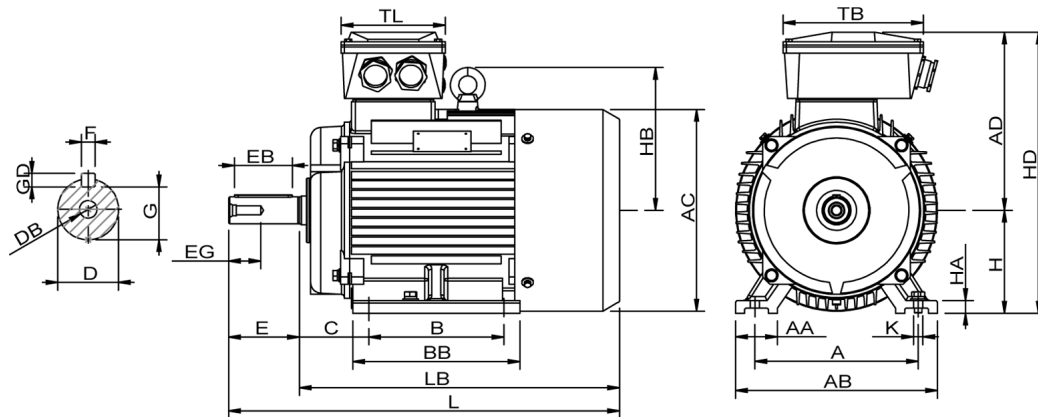


Data Sheet

Itemnumber....: 3221800109



A = 279	AC = 357	BB = 311	DB = M16	EG = 40	GD = 9	HB = 238	L = 688	TL = 162
AA = 70	AD = 293	C = 121	E = 110	F = 14	H = 180	HD = 473	LB = 578	
AB = 349	B = 241	D = 48	EB = 90	G = 42,50	HA = 22	K = 14,50	TB = 218	

Version

Type.....: HMC2 180M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	IE2
Pole.....	2
Power at 50 Hz (kW).....	22,0
Hz.....	60 (60 Hz output)
Voltage.....	440VD
Winding voltage.....	400VD/690VY 50 Hz
Power output (kW).....	25,5
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

Frame size.....	180
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).....	195

Environment condition

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

Bearing

```
DE Bearing.....: 6311-ZZ/C3
NDE Bearing.....: 6311-ZZ/C3
Fixed bearing.....: DE
```

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
  Main.....: 2 x M40x1,5
              Ø22-30mm metal
  Accessory.....: 2 x M20x1,5
                  Metal blindcaps
Terminal board thread.....: 6-M6
```

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 60W
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)	22,0	21,4	26,5	25,5
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)	39,0 22,6	40,5 23,4	39,0 22,6	41,5
Speed (rpm)	2950	2950	3530	3530
Power factor cos(phi)	0,89	0,90	0,89	0,90
Efficiency, 100/75/50 (%) . .	91,3/ 91,4 /90,3	91,3/ 91,4 /90,3	91,3/ 91,4 /90,3	90,9/ 90,9 /89,8
Ist/In	8,90	7,80	8,90	8,15
Full load torque (Nm)	71,0	69,0	71,0	69,0
Tst/Tn	2,90	2,70	2,90	2,50
Tmax/Tn	3,90	3,60	3,90	3,35
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45