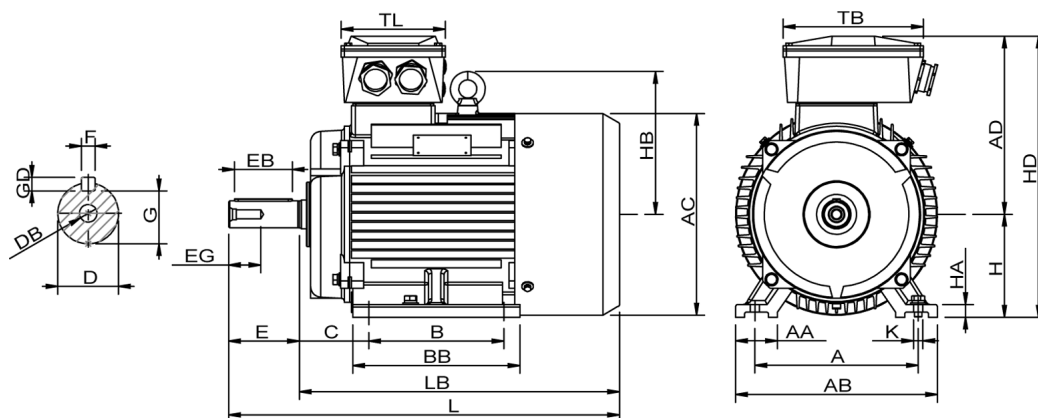


Data Sheet

Itemnumber....: 3241802109



A = 279	AC = 376	BB = 371	DB = M16	EG = 40	GD = 9	HB = 248	L = 781	TL = 162
AA = 70	AD = 303	C = 121	E = 110	F = 14	H = 180	HD = 483	LB = 671	
AB = 349	B = 279	D = 48	EB = 90	G = 42,50	HA = 22	K = 14,50	TB = 218	

Version

Type.....: HMC2 180L1-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

```

Efficiency.....: IE2
Pole.....: 4
Power at 50 Hz (kW).....: 30,0
Hz.....: 60 (60 Hz output)
Voltage.....: 440VD
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 35,0
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

```

Mechanical design

```

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).....: 235

```

Environment condition

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

Bearing

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

Terminal box

```

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)	30,0	29,0	36,0	35,0
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)	53,0 31,0	54,5 31,5	53,0 31,0	56,0
Speed (rpm)	1470	1470	1760	1760
Power factor cos(phi)	0,88	0,89	0,88	0,90
Efficiency, 100/75/50 (%)	92,3/ 92,5 /92,0	92,3/ 92,5 /92,0	92,3/ 92,5 /92,0	91,8/ 92,0 /91,5
Ist/In	6,25	5,50	6,25	5,75
Full load torque (Nm)	194	188	194	188
Tst/Tn	2,32	2,16	2,32	2,02
Tmax/Tn	2,60	2,44	2,60	2,26
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45