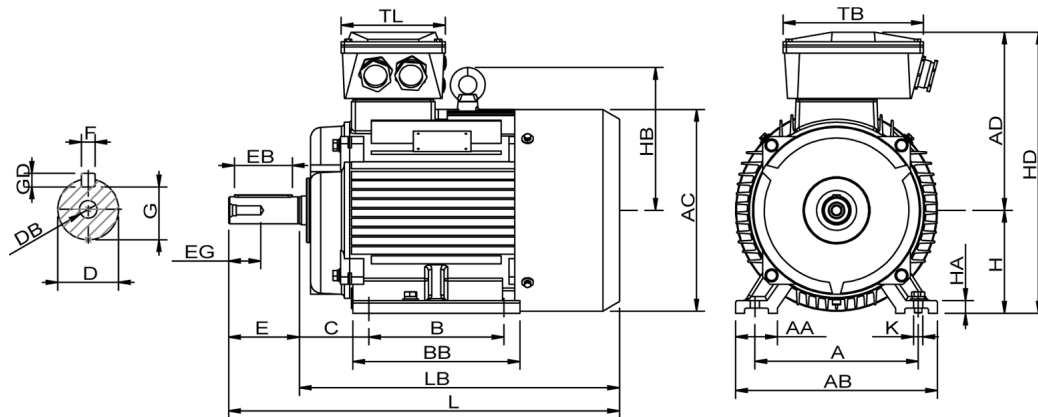


Data Sheet

Itemnumber....: 3241801109



A = 279	AC = 357	BB = 349	DB = M16	EG = 40	GD = 9	HB = 238	L = 726	TL = 162
AA = 70	AD = 293	C = 121	E = 110	F = 14	H = 180	HD = 473	LB = 616	
AB = 349	B = 279	D = 48	EB = 90	G = 42,50	HA = 22	K = 14,50	TB = 218	

Version

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

Electrical design

Efficiency.....	IE2
Pole.....	4
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)	40,5 23,4	41,5 24,0	40,5 23,4	42,5
Speed (rpm)	1470	1470	1760	1760
Power factor cos(phi)	0,86	0,87	0,86	0,87
Efficiency, 100/75/50 (%)	91,6/ 91,0 /90,4	91,6/ 91,0 /90,4	91,6/ 91,0 /90,4	91,0/ 90,4 /89,8
Ist/In	7,90	6,95	7,90	7,25
Full load torque (Nm)	144	138	144	138
Tst/Tn	2,75	2,55	2,75	2,38
Tmax/Tn	3,35	3,15	3,35	2,90
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45