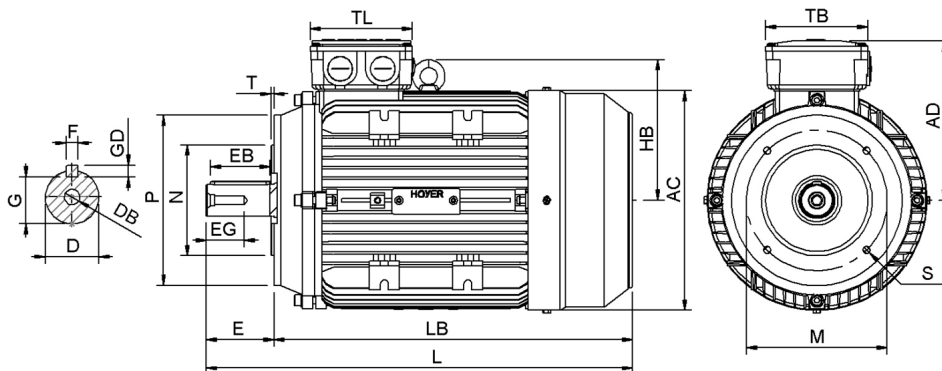


# Data Sheet

Itemnumber.....: 5520801309



AC = 159	DB = M6	EG = 16	GD = 6	M = 100	S = 4-M6	TL = 100
AD = 126	E = 40	F = 6	L = 298	N = 80	T = 3	
D = 19	EB = 32	G = 15,50	LB = 258	P = 120	TB = 100	

## Version

Type.....: HMA3 80 2-2  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....: IE3  
Pole.....: 2  
Power at 50 Hz (kW).....: 1,10  
Hz.....: 50  
Voltage.....: 230VD/400VY  
Winding voltage.....: 230VD/400VY 50 Hz  
Power output (kW).....: 1,10  
Duty.....: S1  
Insulation class.....: F  
Temperature rise.....: B

## Mechanical design

Frame size.....: 80  
Mounting.....: B14  
B14 M measure.....: 100  
Rain cap.....: No  
Protection class.....: IP55  
Cooling method.....: IC411/TEFC  
External grounding.....: Yes  
Drain hole.....: Yes  
Frame material.....: Aluminium  
Material approval.....: None  
Shaft.....: IEC standard  
Key.....: Closed key  
Balancing.....: Half key balancing  
Vibration class.....: Grade-A  
Weight (kg).....: 11,6

## Environment condition

Ambient temp. min. (°C)....: -20  
Ambient temp. max. (°C)....: 40  
Altitude (mtr up to).....: 1000

## Bearing

DE Bearing.....: 6204-ZZ/C3  
NDE Bearing.....: 6204-ZZ/C3  
Fixed bearing.....: DE

## Terminal box

Tbox position.....: Top  
Cable entry direction.....: Right (from DE)  
Cable entry  
Main.....: 2 x M20x1,5  
Plastic blindcaps  
Accessory.....: NA  
Terminal board thread.....: 6-M4

## Motor protection

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

## Explosion protection

According to.....: None  
Type of protection.....: None

## General

Direction of rotation.....: CW  
Painting.....: RAL 9005  
Nameplate.....: Multivoltage  
Special packing.....: No  
Special requirements.....: No

## Test values

Rotor inertia (kgm²).....: 0,0013  
Noise level (dB(A)).....: 58  
No load current (A).....: 1,40  
Winding resist. (ohm).....: 4,37  
Starting time (sec.).....: 0,04  
Temp. rise winding (K).....: 41  
Temp. rise surface (K).....: 20

Rated power (kW)	1,10	1,06	1,32	1,28
Frequency (Hz)	50	50	60	60
Voltage (V)	230 400	220 380	280 480	440
Connection	D Y	D Y	D Y	Y
Full load current (A)	4,15 2,40	4,30 2,48	4,15 2,40	2,48
Speed (rpm)	2910	2910	3490	3490
Power factor cos(phi)	0,80	0,81	0,80	0,82
Efficiency, 100/75/50 (%)	82,7/ 83,3 /81,9	82,7/ 83,3 /81,9	82,7/ 83,3 /81,9	81,5/ 82,1 /80,6
Ist/In	8,60	7,55	8,60	7,90
Full load torque (Nm)	3,65	3,55	3,65	3,55
Tst/Tn	3,40	3,20	3,40	2,95
Tmax/Tn	3,60	3,35	3,60	3,10
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45