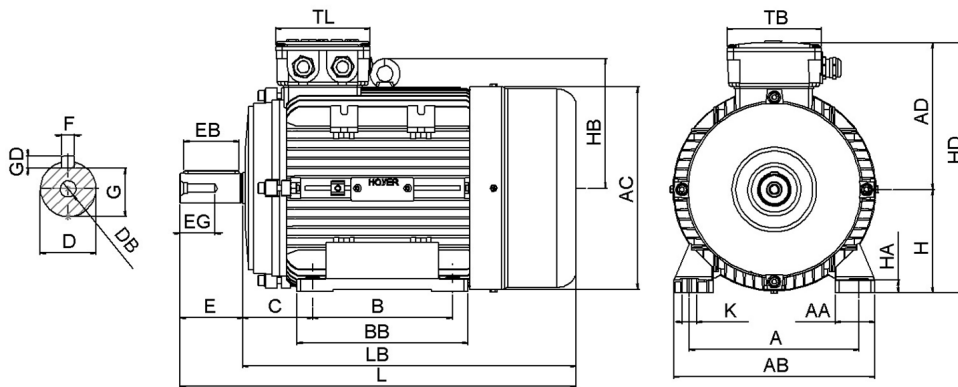


# Data Sheet

Itemnumber.....: 5520800109



A = 125	AC = 159	BB = 122	DB = M6	EG = 16	GD = 6	HD = 206	LB = 258
AA = 27	AD = 126	C = 50	E = 40	F = 6	H = 80	K = 10	TB = 100
AB = 160	B = 100	D = 19	EB = 32	G = 15,50	HA = 12	L = 298	TL = 100

## Version

Type.....: HMA3 80 1-2  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....: IE3  
Pole.....: 2  
Power at 50 Hz (kW).....: 0,75  
Hz.....: 50  
Voltage.....: 230VD/400VY  
Winding voltage.....: 230VD/400VY 50 Hz  
Power output (kW).....: 0,75  
Duty.....: S1  
Insulation class.....: F  
Temperature rise.....: B

## Mechanical design

Frame size.....: 80  
Mounting.....: B3  
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).....: 9,80

## 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).....: 0,00099  
Noise level (dB(A)).....: 58  
No load current (A).....: 1,12  
Winding resist. (ohm).....: 7,39  
Starting time (sec.).....: 0,05  
Temp. rise winding (K).....: 37  
Temp. rise surface (K).....: 15

Rated power (kW)	0,75	0,73	0,90	0,87
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)	3,00 1,74	3,10 1,78	3,00 1,74	1,78
Speed (rpm)	2910	2910	3490	3490
Power factor cos(phi)	0,77	0,78	0,77	0,79
Efficiency, 100/75/50 (%)	80,7/ 81,0 /78,9	80,7/ 81,0 /78,9	80,7/ 81,0 /78,9	79,3/ 79,7 /77,5
Ist/In	8,35	7,35	8,35	7,70
Full load torque (Nm)	2,48	2,40	2,48	2,40
Tst/Tn	2,95	2,75	2,95	2,55
Tmax/Tn	3,30	3,05	3,30	2,85
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45