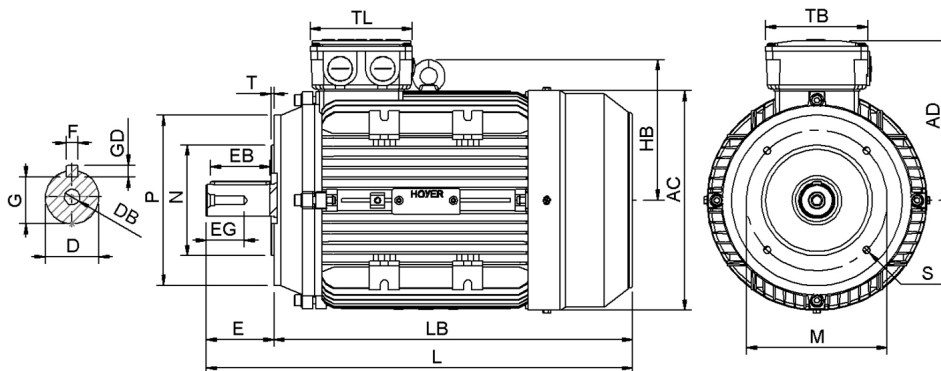


Data Sheet

Itemnumber.....: 5520800309



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 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.....: 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).....: 9,60

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