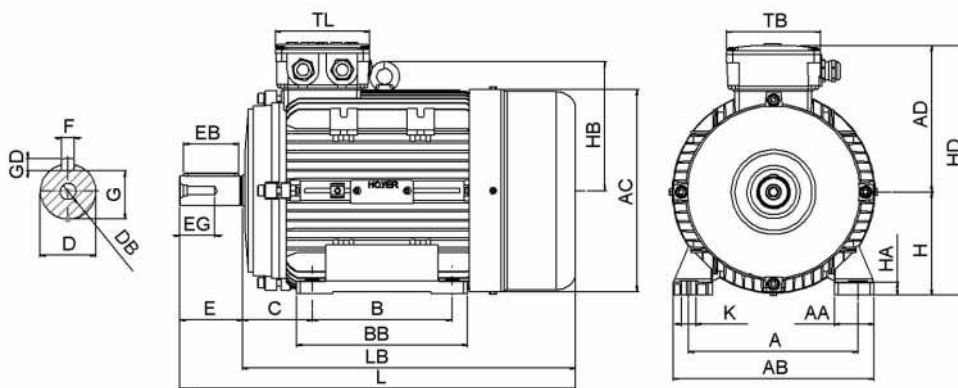


Data Sheet

Itemnumber....: 5520801109



A = 125	AC = 159	BB = 122	DB = M6	EG = 16	GD = 6	HD = 206	LB = 258	TL = 100
AA = 27	AD = 126	C = 50	E = 40	F = 6	H = 80	K = 4	LE = 287	
AB = 160	B = 100	D = 19	EB = 32	G = 15,50	HA = 12	L = 298	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.....: 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).....: 10,5

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
Connection type.....: Star (Y)
Terminal board thread.....: 6-M4

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

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 Gloss 10
Nameplate.....: Multivoltage
Special packing.....: No
Special requirements.....: No

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)	4,20 2,42	4,30 2,48	4,20 2,42	2,48
Speed (rpm)	2910	2910	3490	3490
Power factor cos(phi)	0,80	0,81	0,80	0,82
Efficiency, 100/75/50 (%) . .	83,5/84,1/82,7	83,5/84,1/82,7	83,5/84,1/82,7	82,3/83,0/81,5
Ist/In	8,6	7,6	8,6	7,9
Full load torque (Nm)	3,65	3,55	3,65	3,55
Tst/Tn	3,4	3,2	3,4	3,0
Tmax /Tn	3,6	3,4	3,6	3,1
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45