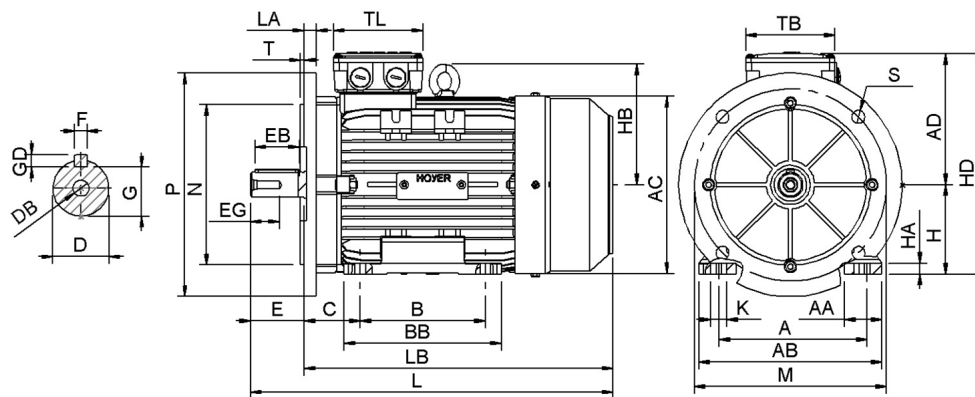


Data Sheet

Itemnumber.....: 5540801459



A = 125	AC = 159	BB = 122	DB = M6	EG = 16	GD = 6	HD = 206	LA = 10	N = 130	T = 3,50
AA = 27	AD = 126	C = 50	E = 40	F = 6	H = 80	K = 10	LB = 258	P = 200	TB = 100
AB = 160	B = 100	D = 19	EB = 32	G = 15,50	HA = 12	L = 298	M = 165	S = 4-Ø12	TL = 100

Version

Type.....: HMA3 80 2-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 4
Power at 50 Hz (kW).....: 0,75
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 0,75
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 80
Mounting.....: B35
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).....: 12,1

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).....: 0,0026
Noise level (dB(A)).....: 49
No load current (A).....: 1,14
Winding resist. (ohm).....: 20,0
Starting time (sec.).....: 0,03
Temp. rise winding (K).....: 49
Temp. rise surface (K).....: 27

Rated power (kW)	0,75	0,73	0,90	0,87
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)	1,80 1,04	1,84 1,08	1,80 1,04	1,84
Speed (rpm)	1440	1440	1730	1730
Power factor cos(phi)	0,73	0,74	0,73	0,76
Efficiency, 100/75/50 (%)	82,5/ 82,9 /81,0	82,5/ 82,9 /81,0	82,5/ 82,9 /81,0	81,3/ 81,7 /79,6
Ist/In	6,65	5,85	6,65	6,10
Full load torque (Nm)	4,95	4,80	4,95	4,80
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