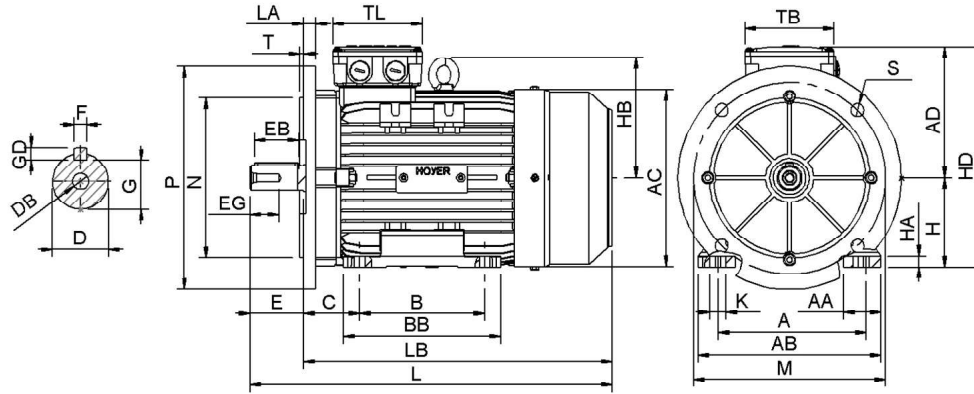


Data Sheet

Itemnumber....: 5541000409



A = 160	AC = 198	BB = 176	DB = M10	EG = 28	GD = 7	HD = 247	LA = 14	N = 180	T = 4
AA = 42	AD = 147	C = 63	E = 60	F = 8	H = 100	K = 12	LB = 346	P = 250	TB = 100
AB = 205	B = 140	D = 28	EB = 50	G = 24	HA = 12	L = 406	M = 215	S = 4-Ø14,5	TL = 100

Version

Type.....: HMA3 100L1-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 4
Power at 50 Hz (kW).....: 2,20
Hz.....: 50
Voltage.....: 230VD/400VY
Winding voltage.....: 230VD/400VY 50 Hz
Power output (kW).....: 2,20
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 100
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).....: 26,5

Environment condition

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

Bearing

DE Bearing.....: 6206-ZZ/C3
NDE Bearing.....: 6206-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.....: 1 x M20x1,5
Plastic blindcap
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).....: 0,0093
Noise level (dB(A)).....: 56
No load current (A).....: 2,44
Winding resist. (ohm).....: 1,90
Starting time (sec.).....: 0,04
Temp. rise winding (K).....: 48
Temp. rise surface (K).....: 35

Rated power (kW)	2,20	2,14	2,65	2,55
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)	7,95 4,60	8,20 4,75	7,95 4,60	4,75
Speed (rpm)	1460	1460	1750	1750
Power factor cos(phi)	0,80	0,81	0,80	0,82
Efficiency, 100/75/50 (%) . .	86,8/87,0/85,4	86,8/87,0/85,4	86,8/87,0/85,4	85,8/86,1/84,3
Ist/In	8,15	7,15	8,15	7,50
Full load torque (Nm)	14,4	14,0	14,4	14,0
Tst/Tn	3,00	2,80	3,00	2,60
Tmax/Tn	3,30	3,05	3,30	2,85
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45