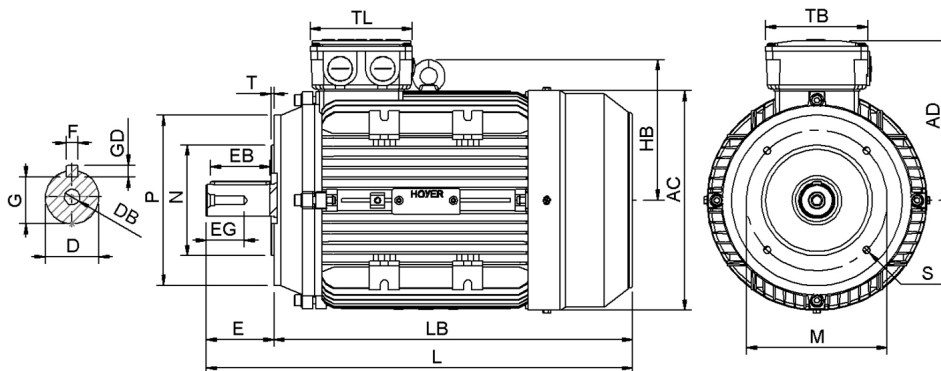


Data Sheet

Itemnumber.....: 5521000309



AC = 198	DB = M10	EG = 28	GD = 7	LB = 346	P = 160	TB = 100
AD = 147	E = 60	F = 8	HB = 135	M = 130	S = 4-M8	TL = 100
D = 28	EB = 50	G = 24	L = 406	N = 110	T = 3,50	

Version

Type.....: HMA3 100L-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 2
Power at 50 Hz (kW).....: 3,00
Hz.....: 50
Voltage.....: 230VD/400VY
Winding voltage.....: 230VD/400VY 50 Hz
Power output (kW).....: 3,00
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 100
Mounting.....: B14
B14 M measure.....: 130
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).....: 23,6

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

Test values

Rotor inertia (kgm²).....: 0,0044
Noise level (dB(A)).....: 65
No load current (A).....: 2,40
Winding resist. (ohm).....: 1,27
Starting time (sec.).....: 0,05
Temp. rise winding (K).....: 59
Temp. rise surface (K).....: 31

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

Rated power (kW)	3,00	2,90	3,60	3,50
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)	9,90 5,70	10,2 5,85	9,90 5,70	5,85
Speed (rpm)	2910	2910	3500	3500
Power factor cos(phi)	0,87	0,88	0,87	0,88
Efficiency, 100/75/50 (%)	87,1/ 87,6 /86,5	87,1/ 87,6 /86,5	87,1/ 87,6 /86,5	86,2/ 86,7 /85,6
Ist/In	9,25	8,15	9,25	8,50
Full load torque (Nm)	9,85	9,55	9,85	9,55
Tst/Tn	3,45	3,20	3,45	2,95
Tmax/Tn	3,60	3,35	3,60	3,10
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45