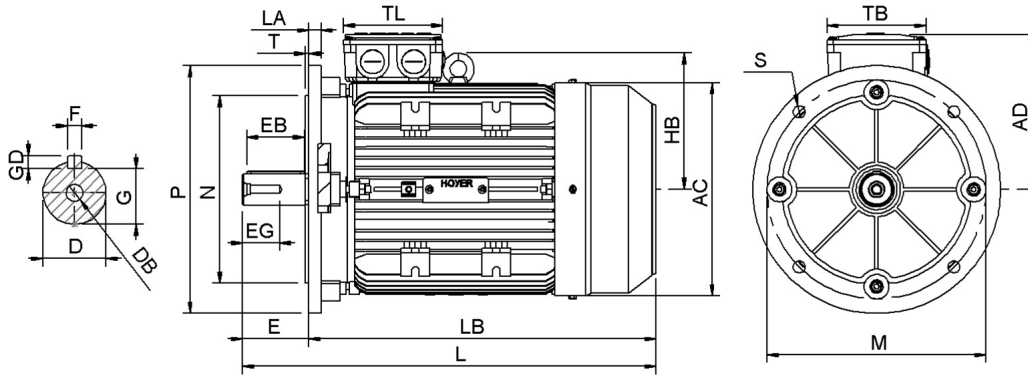


# Data Sheet

Itemnumber....: 5521000209



AC = 198	DB = M10	EG = 28	GD = 7	LA = 14	N = 180	T = 4
AD = 147	E = 60	F = 8	HB = 135	LB = 346	P = 250	TB = 100
D = 28	EB = 50	G = 24	L = 406	M = 215	S = 4-Ø14,5	TL = 100

### 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

### 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

### Mechanical design

Frame size.....: 100  
 Mounting.....: B5  
 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).....: 24,5

### 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  
 1 x M20x1,5  
 Accessory.....: Plastic blindcap  
 Terminal board thread.....: 6-M4

### Test values

Rotor inertia (kgm<sup>2</sup>).....: 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

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