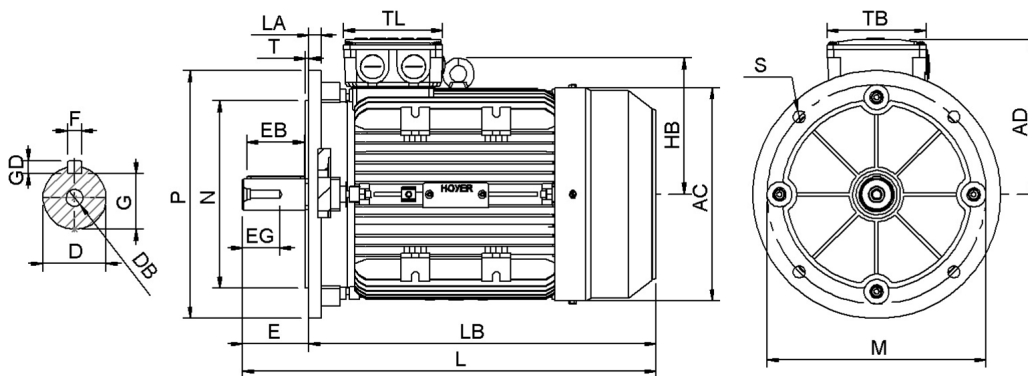


Data Sheet

Itemnumber....: 5521120259



AC = 219	DB = M10	EG = 28	GD = 7	LA = 14	N = 180	T = 4
AD = 168	E = 60	F = 8	HB = 145	LB = 330	P = 250	TB = 120
D = 28	EB = 50	G = 24	L = 390	M = 215	S = 4-Ø14,5	TL = 120

Version

Type.....: HMA3 112M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 2
Power at 50 Hz (kW).....: 4,00
Hz.....: 50
Voltage.....: 230VD/400VY
Winding voltage.....: 230VD/400VY 50 Hz
Power output (kW).....: 4,00
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 112
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).....: 33,3

Environment condition

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

Bearing

DE Bearing.....: 6306-ZZ/C3
NDE Bearing.....: 6306-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-M5

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).....: 0,0070
Noise level (dB(A)).....: 67
No load current (A).....: 2,12
Winding resist. (ohm).....: 0,97
Starting time (sec.).....: 0,07
Temp. rise winding (K).....: 55
Temp. rise surface (K).....: 33

Rated power (kW)	4,00	3,90	4,80	4,65
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)	12,4 7,15	12,8 7,35	12,4 7,15	7,35
Speed (rpm)	2910	2910	3500	3500
Power factor cos(phi)	0,92	0,92	0,92	0,92
Efficiency, 100/75/50 (%)	88,1/ 88,5 /87,5	88,1/ 88,5 /87,5	88,1/ 88,5 /87,5	87,3/ 87,7 /86,7
Ist/In	8,70	7,65	8,70	8,00
Full load torque (Nm)	13,2	12,8	13,2	12,8
Tst/Tn	2,60	2,42	2,60	2,26
Tmax/Tn	3,00	2,80	3,00	2,60
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45