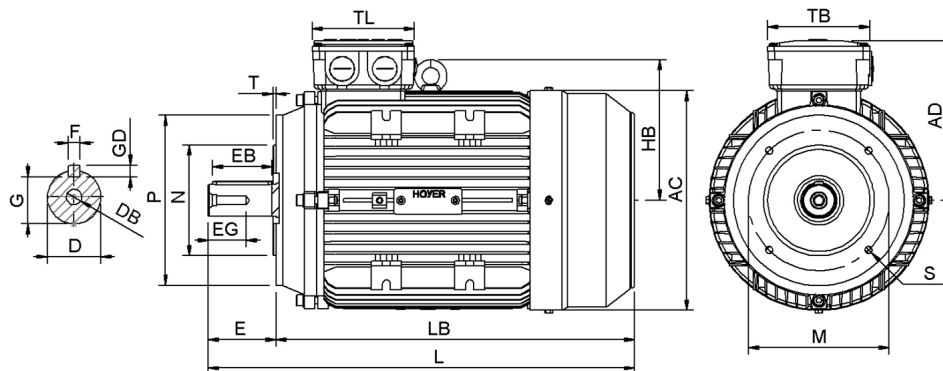


Data Sheet

Itemnumber....: 5561120309



AC = 219	DB = M10	EG = 28	GD = 7	LB = 330	P = 160	TB = 120
AD = 168	E = 60	F = 8	HB = 145	M = 130	S = 4-M8	TL = 120
D = 28	EB = 50	G = 24	L = 390	N = 110	T = 3,50	

Version

Type.....: HMA3 112M-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 6
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.....: 112
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).....: 33,2

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).....: 0,017
Noise level (dB(A)).....: 58
No load current (A).....: 3,80
Winding resist. (ohm).....: 1,86
Starting time (sec.).....: 0,04
Temp. rise winding (K).....: 58
Temp. rise surface (K).....: 47

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)	9,80 5,65	10,2 5,80	9,80 5,65	5,80
Speed (rpm)	970	970	1160	1160
Power factor cos(phi)	0,67	0,68	0,67	0,70
Efficiency, 100/75/50 (%)	84,3/ 84,1 /81,7	84,3/ 84,1 /81,7	84,3/ 84,1 /81,7	83,2/ 83,0 /80,5
Ist/In	5,95	5,25	5,95	5,45
Full load torque (Nm)	21,8	21,0	21,8	21,0
Tst/Tn	2,24	2,08	2,24	1,94
Tmax/Tn	3,00	2,80	3,00	2,60
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45