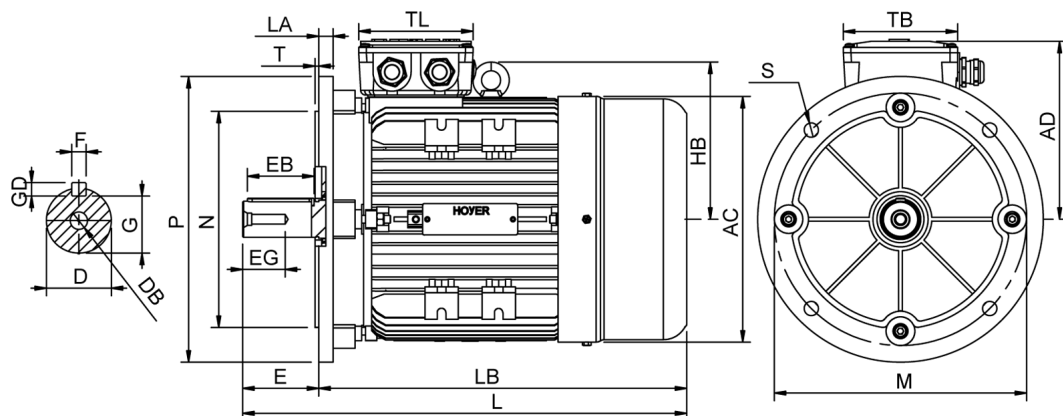


# Data Sheet

Itemnumber..... 3261120209



AC = 219	DB = M10	EG = 28	GD = 7	LA = 14	N = 180	T = 4
AD = 168	E = 60	F = 8	HB = 145	LB = 345	P = 250	TB = 120
D = 28	EB = 50	G = 24	L = 405	M = 215	S = 4-Ø15	TL = 120

## Version

Type..... HMA2 112M1-6  
Design..... Induction motor  
Standard series..... IEC 60034  
Phase / Voltage range..... 3~ / Low

## Electrical design

Efficiency..... IE2  
Pole..... 6  
Power at 50 Hz (kW)..... 2,20  
Hz..... 60 (60 Hz output)  
Voltage..... 440VY  
Winding voltage..... 230VD/400VY 50 Hz  
Power output (kW)..... 2,55  
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)..... 35,0

## Environment condition

Ambient temp. min. (°C)..... -20  
Ambient temp. max. (°C)..... 45  
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..... 1 x M20x1,5  
Ø8-13mm metal  
Accessory..... 1 x M20x1,5  
Metal blindcap  
Terminal board thread..... 6-M5

## Test values

Rotor inertia (kgm²)..... 0,014  
Noise level (dB(A))..... 62  
No load current (A)..... 3,35  
Winding resist. (ohm)..... 2,05  
Starting time (sec.)..... 0,00  
Temp. rise winding (K)..... 71  
Temp. rise surface (K)..... 64

## 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..... Yes

## Explosion protection

According to..... None  
Type of protection..... None

## General

Direction of rotation..... CW  
Painting..... RAL 9005  
Nameplate..... Multivoltage + VFD  
Special packing..... No  
Special requirements..... No

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)	9,10 5,20	9,35 5,40	9,10 5,20	5,40
Speed (rpm)	960	960	1150	1150
Power factor cos(phi)	0,74	0,76	0,74	0,74
Efficiency, 100/75/50 (%)	81,8/ 81,2 /78,1	81,8/ 81,2 /78,1	81,8/ 81,2 /78,1	80,5/ 79,9 /76,5
Ist/In	7,10	6,25	7,10	6,55
Full load torque (Nm)	21,8	21,2	21,8	21,2
Tst/Tn	2,75	2,55	2,75	2,38
Tmax/Tn	2,80	2,60	2,80	2,42
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45