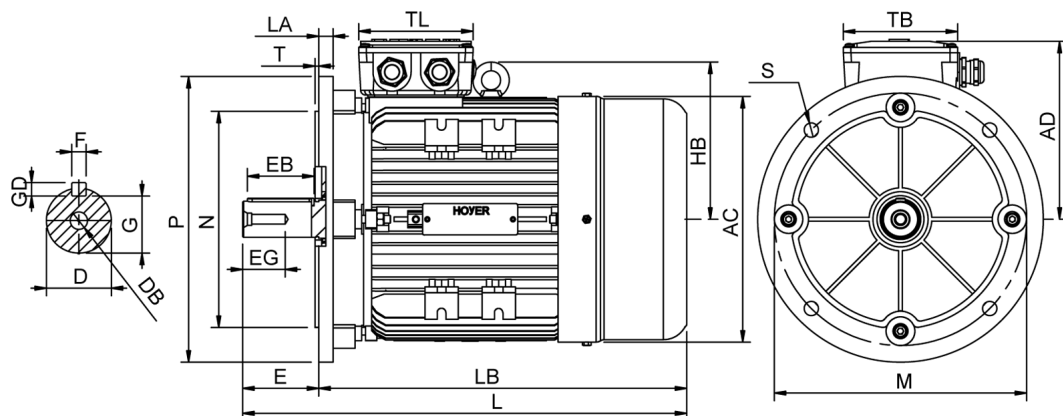


# Data Sheet

Itemnumber..... 3241000259



AC = 198	DB = M10	EG = 28	GD = 7	LA = 14	N = 180	T = 4
AD = 147	E = 60	F = 8	HB = 135	LB = 341	P = 250	TB = 100
D = 28	EB = 50	G = 24	L = 401	M = 215	S = 4-Ø15	TL = 100

## Version

Type..... HMA2 100L1-4  
Design..... Induction motor  
Standard series..... IEC 60034  
Phase / Voltage range..... 3~ / Low

## Electrical design

Efficiency..... IE2  
Pole..... 4  
Power at 50 Hz (kW)..... 2,20  
Hz..... 60 (60 Hz output)  
Voltage..... 440VD  
Winding voltage..... 400VD/690VY 50 Hz  
Power output (kW)..... 2,55  
Duty..... S1  
Insulation class..... F  
Temperature rise..... B

## 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)..... 26,0

## Environment condition

Ambient temp. min. (°C)..... -20  
Ambient temp. max. (°C)..... 45  
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..... 1 x M20x1,5  
Ø8-13mm metal  
Accessory..... 1 x M20x1,5  
Metal blindcap  
Terminal board thread..... 6-M4

## Test values

Rotor inertia (kgm²)..... 0,0080  
Noise level (dB(A))..... 60  
No load current (A)..... 2,32  
Winding resist. (ohm)..... 6,34  
Starting time (sec.)..... 0,00  
Temp. rise winding (K)..... 48  
Temp. rise surface (K)..... 47

## 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)	400 690	380 660	480 830	440
Connection	D Y	D Y	D Y	D
Full load current (A)	4,60 2,65	4,75 2,75	4,60 2,65	4,75
Speed (rpm)	1450	1450	1740	1740
Power factor cos(phi)	0,82	0,83	0,82	0,83
Efficiency, 100/75/50 (%)	84,3/ 84,8 /83,7	84,3/ 84,8 /83,7	84,3/ 84,8 /83,7	83,2/ 83,8 /82,5
Ist/In	8,10	7,10	8,10	7,45
Full load torque (Nm)	14,4	14,0	14,4	14,0
Tst/Tn	2,95	2,75	2,95	2,55
Tmax/Tn	3,50	3,25	3,50	3,05
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45