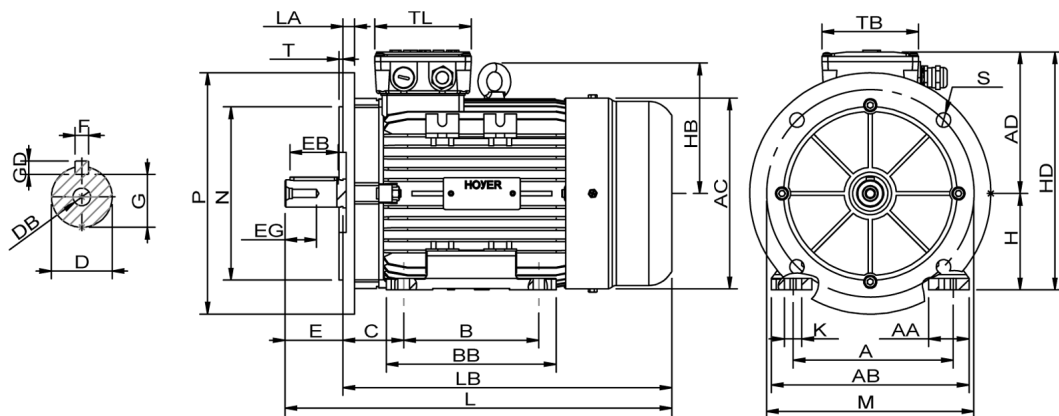


# Data Sheet

Itemnumber..... 3241320409



A = 216	AC = 258	BB = 180	DB = M12	EG = 30	GD = 8	HB = 165	L = 467	M = 265	S = 4-Ø15	TL = 120
AA = 50	AD = 187	C = 89	E = 80	F = 10	H = 132	HD = 319	LA = 15	N = 230	T = 4	
AB = 256	B = 140	D = 38	EB = 70	G = 33	HA = 16,50	K = 12	LB = 387	P = 300	TB = 120	

## Version

Type..... HMA2 132S-4  
Design..... Induction motor  
Standard series..... IEC 60034  
Phase / Voltage range..... 3~ / Low

## Electrical design

Efficiency..... IE2  
Pole..... 4  
Power at 50 Hz (kW)..... 5,50  
Hz..... 60 (60 Hz output)  
Voltage..... 440VD  
Winding voltage..... 400VD/690VY 50 Hz  
Power output (kW)..... 6,40  
Duty..... S1  
Insulation class..... F  
Temperature rise..... B

## Mechanical design

Frame size..... 132  
Mounting..... B35  
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)..... 51,0

## Environment condition

Ambient temp. min. (°C)..... -20  
Ambient temp. max. (°C)..... 45  
Altitude (mtr up to)..... 1000

## Bearing

DE Bearing..... 6308-ZZ/C3  
NDE Bearing..... 6308-ZZ/C3  
Fixed bearing..... DE

## Terminal box

Tbox position..... Top  
Cable entry direction..... Right (from DE)  
Cable entry  
Main..... 2 x M25x1,5  
Ø11-17mm metal  
Accessory..... 1 x M20x1,5  
Metal blindcap  
Terminal board thread..... 6-M5

## Test values

Rotor inertia (kgm²)..... 0,033  
Noise level (dB(A))..... 65  
No load current (A)..... 4,95  
Winding resist. (ohm)..... 2,26  
Starting time (sec.)..... 0,00  
Temp. rise winding (K)..... 72  
Temp. rise surface (K)..... 59

## 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)	5,50	5,35	6,60	6,40
Frequency (Hz)	50	50	60	60
Voltage (V)	400 Y 690	380 D 660	480 D 830	440 D
Connection	D Y	D Y	D Y	D
Full load current (A)	10,8 6,30	11,2 6,50	10,8 6,30	11,2
Speed (rpm)	1460	1460	1750	1750
Power factor cos(phi)	0,83	0,84	0,83	0,86
Efficiency, 100/75/50 (%)	87,7/ 88,2 /87,1	87,7/ 88,2 /87,1	87,7/ 88,2 /87,1	86,8/ 87,3 /86,2
Ist/In	7,85	6,90	7,85	7,25
Full load torque (Nm)	36,0	35,0	36,0	35,0
Tst/Tn	2,44	2,26	2,44	2,10
Tmax/Tn	2,80	2,60	2,80	2,42
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45