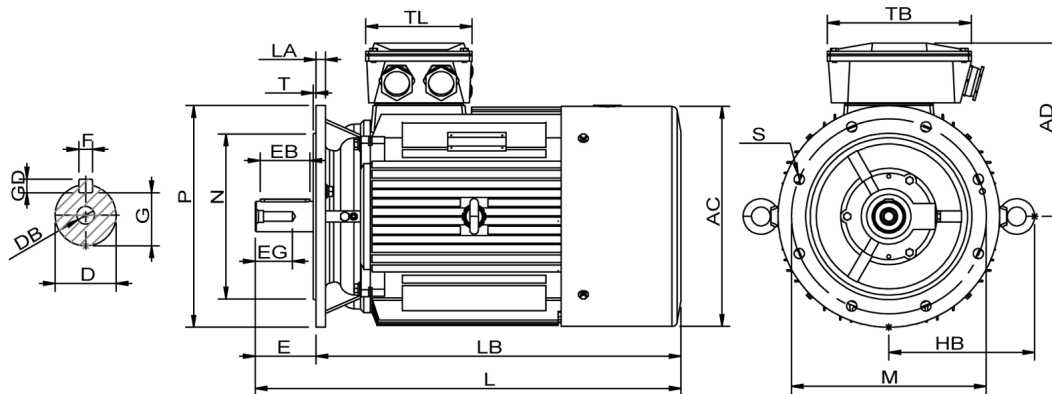


# Data Sheet

Itemnumber..... 3243550209



AC = 698	DB = M24	EG = 56	GD = 14	LA = 25	N = 680	T = 6
AD = 661	E = 170	F = 25	HB = 492	LB = 1349	P = 800	TB = 460
D = 95	EB = 160	G = 86	L = 1519	M = 740	S = 8-Ø24	TL = 330

## Version

Type..... HMC2 355M2-4  
Design..... Induction motor  
Standard series..... IEC 60034  
Phase / Voltage range..... 3~ / Low

## Electrical design

Efficiency..... IE2  
Pole..... 4  
Power at 50 Hz (kW)..... 250  
Hz..... 60 (60 Hz output)  
Voltage..... 440VD  
Winding voltage..... 400VD/690VY 50 Hz  
Power output (kW)..... 290  
Duty..... S1  
Insulation class..... F  
Temperature rise..... F

## Mechanical design

Frame size..... 355  
Mounting..... B5  
Rain cap..... No  
Protection class..... IP55  
Cooling method..... IC411/TEFC  
External grounding..... Yes  
Drain hole..... Yes  
Frame material..... Cast Iron  
Material approval..... None  
Shaft..... IEC Standard  
Key..... Closed key  
Balancing..... Half key balancing  
Vibration class..... Grade-A  
Weight (kg)..... 1.650

## Environment condition

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

## Bearing

DE Bearing..... 6322/C3  
NDE Bearing..... 6322/C3  
Fixed bearing..... DE

## Terminal box

Tbox position..... Top  
Cable entry direction..... Right (from DE)  
Cable entry  
Main..... 2 x M72x2,0  
Ø46-52mm metal  
Accessory..... 2 x M20x1,5  
Metal blindcaps  
Terminal board thread..... 6-M16

## Test values

Rotor inertia (kgm²)..... 7,77  
No load current (A)..... 128  
Winding resist. (ohm)..... 0,0099  
Starting time (sec.)..... 0,36

## Motor protection

Thermal protection main..... PTC 3x 155 dgr  
Thermal protection second.. None  
Space heater..... 1x 230V 100W  
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)	250	242	300	290
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)	425 246	435 255	425 246	445
Speed (rpm)	1490	1490	1780	1780
Power factor cos(phi)	0,90	0,90	0,90	0,91
Efficiency, 100/75/50 (%)	95,1/ 95,1 /94,6	95,1/ 95,1 /94,6	95,1/ 95,1 /94,6	94,8/ 94,7 /94,2
Ist/In	6,60	5,80	6,60	6,10
Full load torque (Nm)	1.600	1.560	1.600	1.560
Tst/Tn	2,32	2,16	2,32	2,02
Tmax/Tn	2,85	2,65	2,85	2,46
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45