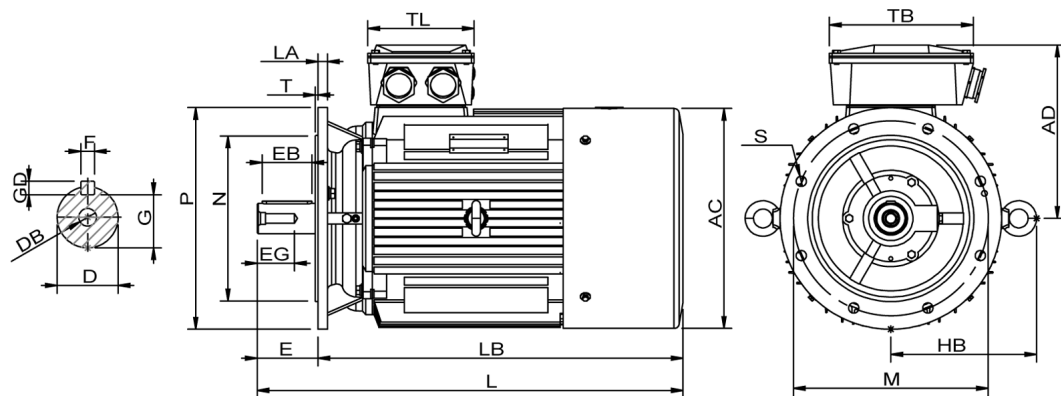


# Data Sheet

Itemnumber..... 3242250209



AC = 445	DB = M20	EG = 56	GD = 11	LA = 20	N = 350	T = 5
AD = 336	E = 140	F = 18	HB = 286	LB = 667	P = 450	TB = 260
D = 60	EB = 110	G = 53	L = 807	M = 400	S = 8-Ø18,5	TL = 192

## Version

Type..... HMC2 225S-4  
Design..... Induction motor  
Standard series..... IEC 60034  
Phase / Voltage range..... 3~ / Low

## Electrical design

Efficiency..... IE2  
Pole..... 4  
Power at 50 Hz (kW)..... 37,0  
Hz..... 60 (60 Hz output)  
Voltage..... 440VD  
Winding voltage..... 400VD/690VY 50 Hz  
Power output (kW)..... 43,0  
Duty..... S1  
Insulation class..... F  
Temperature rise..... B

## Mechanical design

Frame size..... 225  
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)..... 305

## Environment condition

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

## Bearing

DE Bearing..... 6313-ZZ/C3  
NDE Bearing..... 6312-ZZ/C3  
Fixed bearing..... DE

## Terminal box

Tbox position..... Top  
Cable entry direction..... Right (from DE)  
Cable entry  
Main..... 2 x M50x1,5  
Ø32-38mm metal  
Accessory..... 2 x M20x1,5  
Metal blindcaps  
Terminal board thread..... 6-M8

## Test values

Rotor inertia (kgm²)..... 0,55  
Noise level (dB(A))..... 68  
No load current (A)..... 20,0  
Winding resist. (ohm)..... 0,16  
Starting time (sec.)..... 0,16  
Temp. rise winding (K)..... 72  
Temp. rise surface (K)..... 47

## Motor protection

Thermal protection main..... PTC 3x 155 dgr  
Thermal protection second..: None  
Space heater..... 1x 230V 80W  
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)	37,0	36,0	44,5	43,0
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)	64,5 37,5	66,5 38,5	64,5 37,5	68,0
Speed (rpm)	1480	1480	1770	1770
Power factor cos(phi)	0,89	0,90	0,89	0,90
Efficiency, 100/75/50 (%)	92,7/ 93,2 /92,7	92,7/ 93,2 /92,7	92,7/ 93,2 /92,7	92,2/ 92,7 /92,2
Ist/In	7,05	6,20	7,05	6,50
Full load torque (Nm)	238	230	238	230
Tst/Tn	2,28	2,12	2,28	1,98
Tmax/Tn	3,10	2,90	3,10	2,70
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45