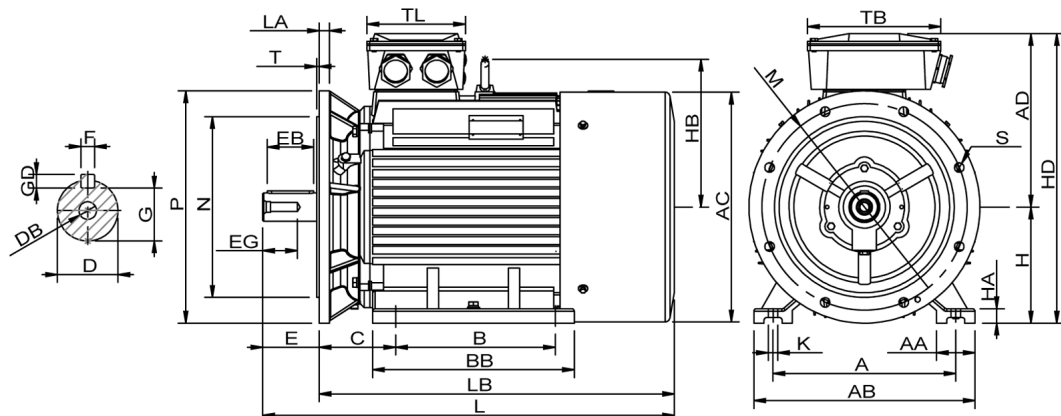


# Data Sheet

Itemnumber..... 3242252409



A = 356	AC = 463	BB = 393	DB = M20	EG = 56	GD = 11	HB = 307	L = 897	M = 400	S = 8-Ø18,5	TL = 192
AA = 75	AD = 347	C = 149	E = 140	F = 18	H = 225	HD = 572	LA = 20	N = 350	T = 5	
AB = 431	B = 311	D = 60	EB = 110	G = 53	HA = 28	K = 18,50	LB = 754	P = 450	TB = 260	

## Version

Type..... HMC2 225M1-4  
Design..... Induction motor  
Standard series..... IEC 60034  
Phase / Voltage range..... 3~ / Low

## Electrical design

Efficiency..... IE2  
Pole..... 4  
Power at 50 Hz (kW)..... 55,0  
Hz..... 60 (60 Hz output)  
Voltage..... 440VD  
Winding voltage..... 400VD/690VY 50 Hz  
Power output (kW)..... 64,0  
Duty..... S1  
Insulation class..... F  
Temperature rise..... B

## Mechanical design

Frame size..... 225M1  
Mounting..... B35  
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)..... 410

## Environment condition

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

## Bearing

DE Bearing..... 6314-ZZ/C3  
NDE Bearing..... 6313-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)..... 0,90  
No load current (A)..... 39,0  
Winding resist. (ohm)..... 0,099  
Starting time (sec.)..... 0,17

## 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)	55,0	53,5	66,0	64,0
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)	99,5 57,5	102 59,5	99,5 57,5	104
Speed (rpm)	1490	1490	1780	1780
Power factor cos(phi)	0,85	0,86	0,85	0,87
Efficiency, 100/75/50 (%)	93,5/ 93,6 /93,1	93,5/ 93,6 /93,1	93,5/ 93,6 /93,1	93,0/ 93,2 /92,6
Ist/In	6,90	6,05	6,90	6,35
Full load torque (Nm)	355	345	355	345
Tst/Tn	2,30	2,14	2,30	1,98
Tmax/Tn	3,25	3,00	3,25	2,80
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45