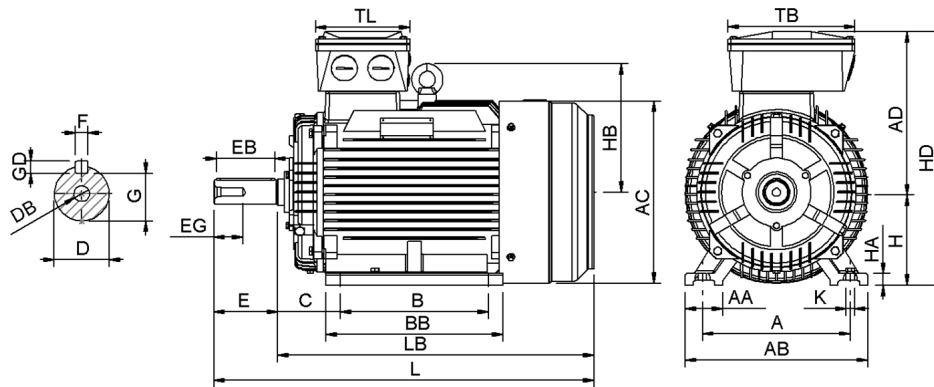


# Data Sheet

Itemnumber.....: 5522500100



A = 406	AC = 484	BB = 445	DB = M20	EG = 56	GD = 11	HB = 316	L = 909	TL = 230
AA = 80	AD = 374	C = 168	E = 140	F = 18	H = 250	HD = 624	LB = 769	
AB = 484	B = 349	D = 60	EB = 130	G = 53	HA = 30	K = 24	TB = 305	

## Version

Type.....: HMC3 250M-2  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....: IE3  
Pole.....: 2  
Power at 50 Hz (kW).....: 55,0  
Hz.....: 50  
Voltage.....: 400VD/690VY  
Winding voltage.....: 400VD/690VY 50 Hz  
Power output (kW).....: 55,0  
Duty.....: S1  
Insulation class.....: F  
Temperature rise.....: B

## Mechanical design

Frame size.....: 250  
Mounting.....: B3  
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).....: 407

## Environment condition

Ambient temp. min. (°C).....: -20  
Ambient temp. max. (°C).....: 40  
Altitude (mtr up to).....: 1000

## Bearing

DE Bearing.....: 6313/C3  
NDE Bearing.....: 6313/C3  
Fixed bearing.....: DE

## Terminal box

Tbox position.....: Top  
Cable entry direction.....: Right (from DE)  
Cable entry  
Main.....: 2 x M63x1,5  
Plastic blindcaps  
Accessory.....: 2 x M20x1,5  
Plastic blindcaps  
Terminal board thread.....: 6-M10

## 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.....: No

## Explosion protection

According to.....: None  
Type of protection.....: None

## General

Direction of rotation.....: CW  
Painting.....: RAL 9005  
Nameplate.....: Multivoltage  
Special packing.....: No  
Special requirements.....: No

## Test values

Rotor inertia (kgm²).....: 0,46  
Noise level (dB(A)).....: 86  
No load current (A).....: 27,5  
Winding resist. (ohm).....: 0,065  
Starting time (sec.).....: 0,26  
Temp. rise winding (K).....: 57  
Temp. rise surface (K).....: 38

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)	94,0 54,5	97,0 56,0	94,0 54,5	97,0
Speed (rpm)	2980	2980	3580	3580
Power factor cos(phi)	0,90	0,90	0,90	0,91
Efficiency, 100/75/50 (%)	94,3/ 93,9 /92,6	94,3/ 93,9 /92,6	94,3/ 93,9 /92,6	93,9/ 93,5 /92,1
Ist/In	10,8	9,50	10,8	9,90
Full load torque (Nm)	176	172	176	172
Tst/Tn	3,40	3,15	3,40	2,95
Tmax/Tn	3,95	3,65	3,95	3,40
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45