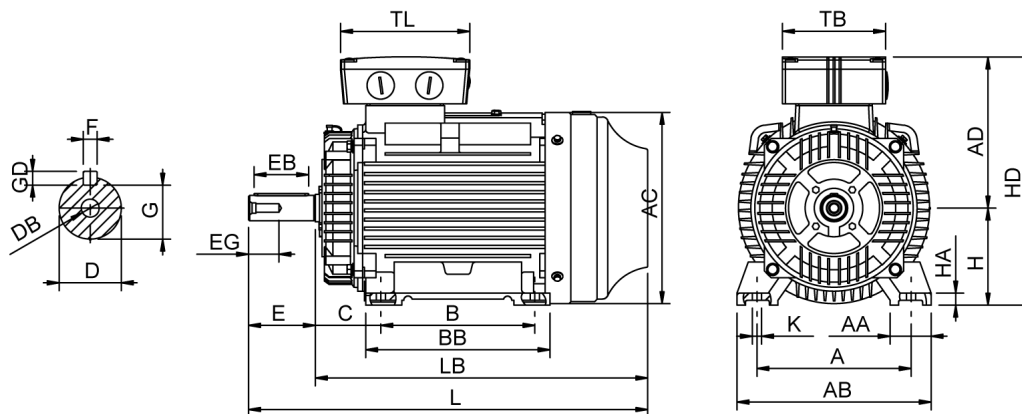


# Data Sheet

Itemnumber.....: 6042000100



A = 318	AC = 397	BB = 369	DB = M20	EG = 52	GD = 10	HB = 170	L = 774	TL = 250
AA = 70	AD = 296	C = 133	E = 110	F = 16	H = 200	HD = 496	LB = 664	
AB = 384	B = 305	D = 55	EB = 100	G = 49	HA = 25	K = 18,50	TB = 200	

## Version

Type.....: HMC4 200L-4  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....: IE4  
Pole.....: 4  
Power at 50 Hz (kW).....: 30,0  
Hz.....: 50  
Voltage.....: 400VD/690VY  
Winding voltage.....: 400VD/690VY 50 Hz  
Power output (kW).....: 30,0  
Duty.....: S1  
Insulation class.....: F  
Temperature rise.....: B

## Mechanical design

Frame size.....: 200  
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).....: 265

## Environment condition

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

## Bearing

DE Bearing.....: 6312/C3  
NDE Bearing.....: 6212/C3  
Fixed bearing.....: DE

## Terminal box

Tbox position.....: Top  
Cable entry direction.....: Right (from DE)  
Cable entry  
Main.....: 2 x M50x1,5  
Plastic blindcaps  
Accessory.....: 2 x M20x1,5  
Plastic blindcaps  
Terminal board thread.....: M8

## Test values

Rotor inertia (kgm²).....: 0,31  
Noise level (dB(A)).....: 70  
Starting time (sec.).....: 0,10

## Motor protection

Thermal protection main....: PTC 3x 155 dgr  
Thermal protection second..: None  
Space heater.....: None 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

Rated power (kW)	30,0	29,0	36,0	35,0
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)	53,5 31,0	55,5 32,0	53,5 31,0	55,5
Speed (rpm)	1480	1480	1780	1780
Power factor cos(phi)	0,85	0,86	0,85	0,87
Efficiency, 100/75/50 (%)	94,9/95,0/94,7	94,9/95,0/94,7	94,9/95,0/94,7	94,5/94,7/94,3
Ist/In	9,50	8,35	9,50	8,75
Full load torque (Nm)	194	188	194	188
Tst/Tn	2,60	2,42	2,60	2,26
Tmax/Tn	3,40	3,15	3,40	2,95
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45