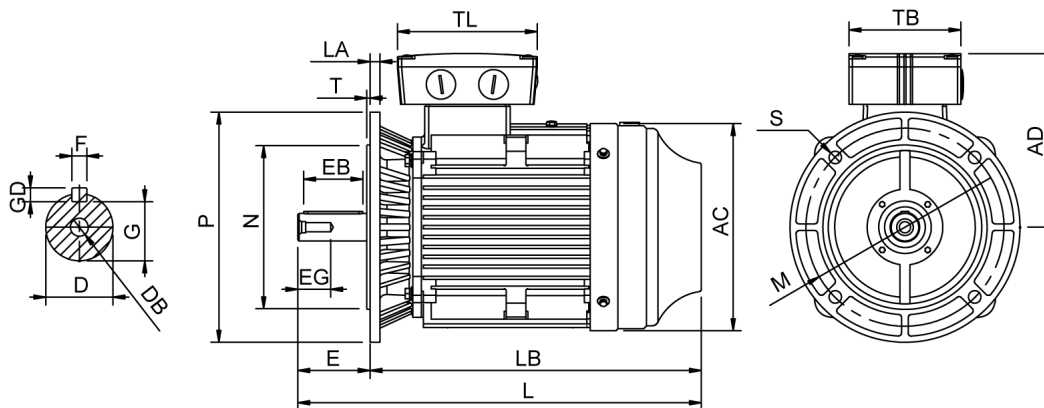


# Data Sheet

Itemnumber.....: 6022001200



AC = 397	DB = M20	EG = 52	GD = 10	LA = 17	N = 300	T = 5
AD = 296	E = 110	F = 16	HB = 170	LB = 664	P = 400	TB = 200
D = 55	EB = 100	G = 49	L = 774	M = 350	S = 4-Ø18,5	TL = 250

## Version

Type.....: HMC4 200L2-2  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....: IE4  
Pole.....: 2  
Power at 50 Hz (kW).....: 37,0  
Hz.....: 50  
Voltage.....: 400VD/690VY  
Winding voltage.....: 400VD/690VY 50 Hz  
Power output (kW).....: 37,0  
Duty.....: S1  
Insulation class.....: F  
Temperature rise.....: B

## Mechanical design

Frame size.....: 200  
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).....: 278

## Environment condition

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

## Bearing

DE Bearing.....: 6212/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).....: 0,20  
Noise level (dB(A)).....: 75  
Starting time (sec.).....: 0,20

## 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) . . . . .	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) . . . .	62,5 36,0	64,5 37,0	62,5 36,0	64,5
Speed (rpm) . . . . .	2960	2960	3550	3550
Power factor cos(phi) . . . .	0,90	0,91	0,90	0,91
Efficiency, 100/75/50 (%) . .	94,8/95,0/94,7	94,8/95,0/94,7	94,8/95,0/94,7	94,4/94,7/94,3
Ist/In . . . . .	9,30	8,20	9,30	8,55
Full load torque (Nm) . . . .	120	116	120	116
Tst/Tn . . . . .	2,70	2,50	2,70	2,34
Tmax/Tn . . . . .	3,50	3,25	3,50	3,05
Duty . . . . .	S1	S1	S1	S1
Ambient temp. (°C) . . . . .	40	45	40	45