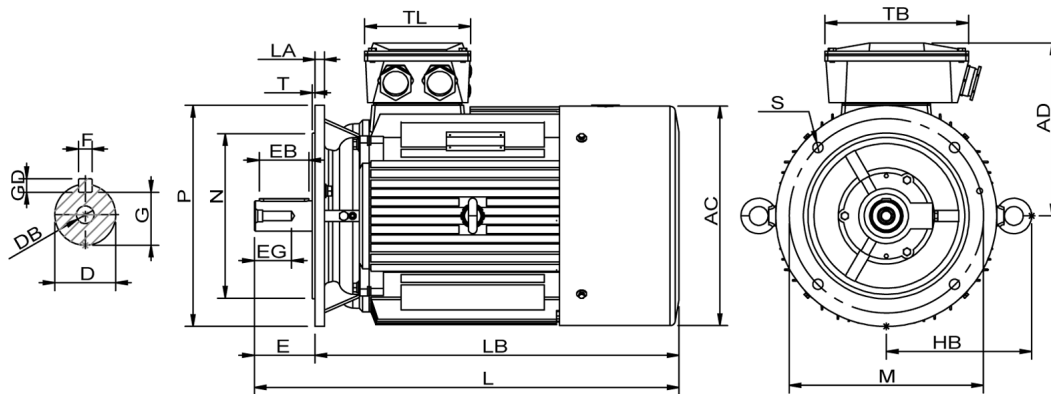


Data Sheet

Itemnumber.....: 3222001208



AC = 397	DB = M20	EG = 50	GD = 10	LA = 17	N = 300	T = 5
AD = 313	E = 110	F = 16	HB = 263	LB = 669	P = 400	TB = 260
D = 55	EB = 90	G = 49	L = 779	M = 350	S = 4-Ø18,5	TL = 192

Version

Type.....: HMC2 200L2-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE2
Pole.....: 2
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.....: 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).....: 265

Environment condition

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

Bearing

DE Bearing.....: 6312-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

Motor protection

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 60W
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

Test values

Rotor inertia (kgm²).....: 0,16
Noise level (dB(A)).....: 75
No load current (A).....: 17,2
Winding resist. (ohm).....: 0,11
Starting time (sec.).....: 0,14
Temp. rise winding (K).....: 77
Temp. rise surface (K).....: 65

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)	63,5 37,0	65,5 38,0	63,5 37,0	67,5
Speed (rpm)	2950	2950	3540	3540
Power factor cos(phi)	0,91	0,91	0,91	0,91
Efficiency, 100/75/50 (%)	92,5/ 92,5 /91,4	92,5/ 92,5 /91,4	92,5/ 92,5 /91,4	92,1/ 92,1 /90,9
Ist/In	8,50	7,50	8,50	7,80
Full load torque (Nm)	120	116	120	116
Tst/Tn	3,10	2,85	3,10	2,65
Tmax/Tn	3,90	3,60	3,90	3,35
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45