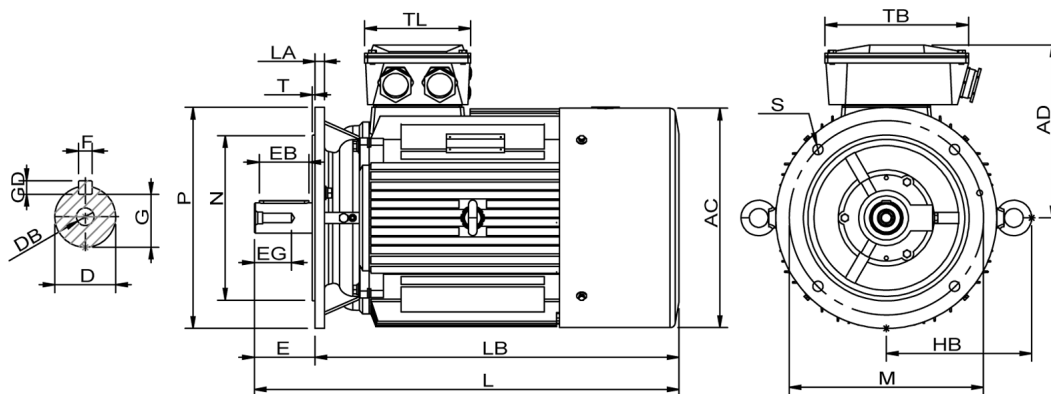


Data Sheet

Itemnumber....: 3242001209



AC = 421	DB = M20	EG = 50	GD = 10	LA = 17	N = 300	T = 5
AD = 323	E = 110	F = 16	HB = 272	LB = 724	P = 400	TB = 260
D = 55	EB = 90	G = 49	L = 834	M = 350	S = 4-Ø18,5	TL = 192

Version

Type.....: HMC2 200L1-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE2
Pole.....: 4
Power at 50 Hz (kW).....: 37,0
Hz.....: 60 (60 Hz output)
Voltage.....: 440V
Winding voltage.....: 400V/690V 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).....: 320

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

Test values

Rotor inertia (kgm²).....: 0,51
No load current (A).....: 22,2
Winding resist. (ohm).....: 0,14
Starting time (sec.).....: 0,13

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

Rated power (kW)	37,0	36,0	44,5	43,0
Frequency (Hz)	50	50	60	60
Voltage (V)	400	690	380	660
Connection	D	Y	D	Y
Full load current (A)	65,5	38,0	67,5	39,0
Speed (rpm)	1480	1480	1760	1760
Power factor cos(phi)	0,88	0,88	0,88	0,89
Efficiency, 100/75/50 (%)	92,7/ 92,8 /92,4	92,7/ 92,8 /92,4	92,7/ 92,8 /92,4	92,2/ 92,3 /91,9
Ist/In	7,80	6,85	7,80	7,15
Full load torque (Nm)	238	232	238	232
Tst/Tn	3,05	2,80	3,05	2,60
Tmax/Tn	3,25	3,00	3,25	2,80
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45