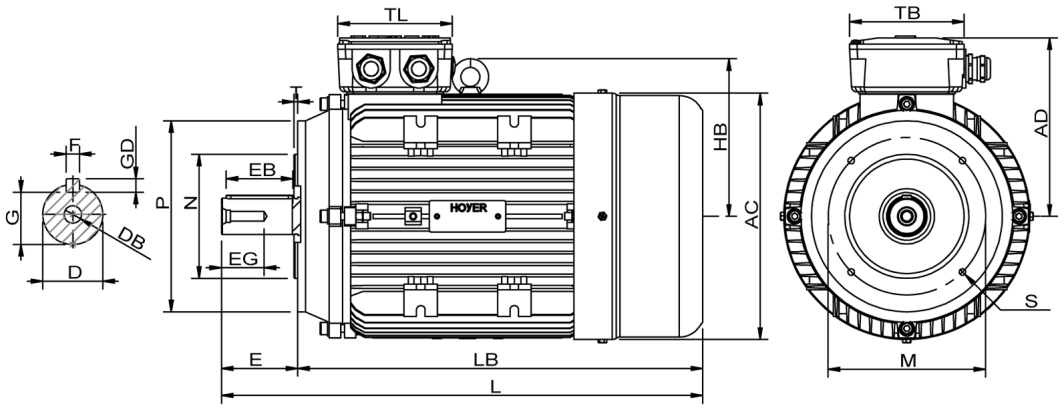
Data Sheet

Itemnumber....: 3240710308



AC = 139	**DB = M5**	**EG = 13**	**GD = 5**	**M = 85**	**S = 4 - M6**	**TL = 80**
AD = 113	**E = 30**	**F = 5**	**L = 249**	**N = 70**	**T = 2,50**	
D = 14	**EB = 22**	**G = 11**	**LB = 219**	**P = 105**	**TB = 80**	

Version
Type.....: HMA2 71 1-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design
Efficiency.....: IE2
Pole.....: 4
Power at 50 Hz (kW).....: 0,25
Hz.....: 60 (60 Hz output)
Voltage.....: 440VY
Winding voltage.....: 230VD/400VY 50 Hz
Power output (kW).....: 0,29
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

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.....: 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

Mechanical design
Frame size.....: 71
Mounting.....: B14
B14 M measure.....: 85
Rain cap.....: No
Protection class.....: IP55
Cooling method.....: IC411/TEFC
External grounding.....: Yes
Drain hole.....: Yes
Frame material.....: Aluminium
Material approval.....: None
Shaft.....: IEC standard
Key.....: Closed key
Balancing.....: Half key balancing
Vibration class.....: Grade-A
Weight (kg).....: 6,00

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

Bearing
DE Bearing.....: 6202-ZZ/C3
NDE Bearing.....: 6202-ZZ/C3
Fixed bearing.....: DE

Terminal box
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 1 x M20x1,5
Ø8-13mm metal
Accessory.....: 1 x M20x1,5
Metal blindcap
Terminal board thread.....: M4

Test values
Rotor inertia (kgm²).....: 0,00077
Noise level (dB(A)).....: 56
No load current (A).....: 0,52
Winding resist. (ohm).....: 28,7
Starting time (sec.).....: 0,00
Temp. rise winding (K).....: 30
Temp. rise surface (K).....: 17

Rated power (kW)	0,25	0,24	0,30	0,29
Frequency (Hz)	50	50	60	60
Voltage (V)	230 400	220 380	280 480	440
Connection	D Y	D Y	D Y	Y
Full load current (A)	1,30 0,75	1,34 0,78	1,30 0,75	0,78
Speed (rpm)	1370	1370	1650	1650
Power factor cos(phi)	0,70	0,72	0,70	0,73
Efficiency, 100/75/50 (%)	68,5/ 71,8 /70,5	68,5/ 71,8 /70,5	68,5/ 71,8 /70,5	66,3/ 69,8 /68,4
Ist/In	3,95	3,50	3,95	3,65
Full load torque (Nm)	1,74	1,68	1,74	1,68
Tst/Tn	2,14	2,00	2,14	1,86
Tmax/Tn	2,36	2,18	2,36	2,04
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45

Data are not binding. Hoyer reserves the right to implement changes without notice. The extent of data are not equivalent to nameplate on the motors.