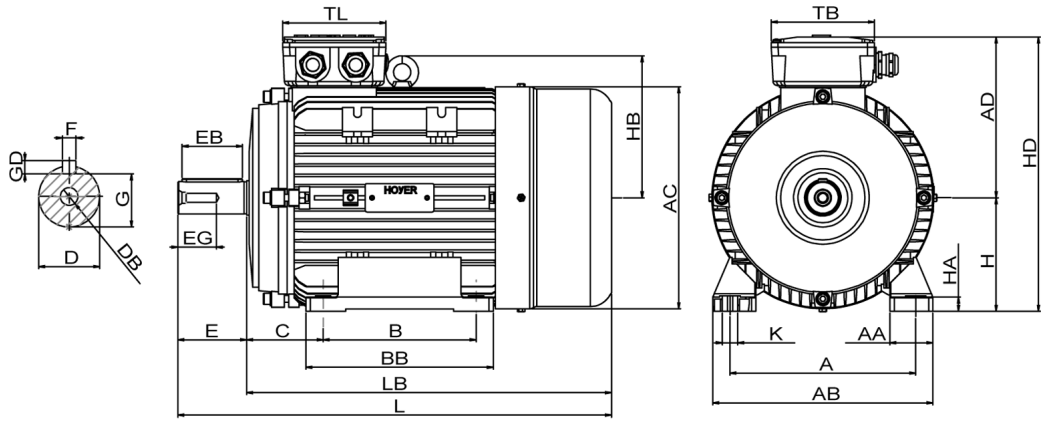
Data Sheet

Itemnumber....: 3260711108



A = 112	**AC = 139**	**BB = 113**	**DB = M5**	**EG = 13**	**GD = 5**	**HD = 184**	**LB = 219**
AA = 24	**AD = 113**	**C = 45**	**E = 30**	**F = 5**	**H = 71**	**K = 7**	**TB = 80**
AB = 138	**B = 90**	**D = 14**	**EB = 22**	**G = 11**	**HA = 9,50**	**L = 249**	**TL = 80**

Version
Type.....: HMA2 71 2-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design
Efficiency.....: IE2
Pole.....: 6
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.....: B3
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).....: 6,50

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).....: 0,0016
Noise level (dB(A)).....: 54
No load current (A).....: 0,65
Winding resist. (ohm).....: 35,2
Temp. rise winding (K).....: 42
Temp. rise surface (K).....: 49

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)	1,64 0,94	1,68 0,97	1,64 0,94	0,97
Speed (rpm)	910	910	1090	1090
Power factor cos(phi)	0,62	0,64	0,62	0,68
Efficiency, 100/75/50 (%)	61,6/ 64,6 /61,9	61,6/ 64,6 /61,9	61,6/ 64,6 /61,9	58,9/ 62,1 /59,2
Ist/In	3,20	2,85	3,20	2,95
Full load torque (Nm)	2,65	2,55	2,65	2,55
Tst/Tn	2,10	1,96	2,10	1,82
Tmax/Tn	2,30	2,14	2,30	2,00
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.