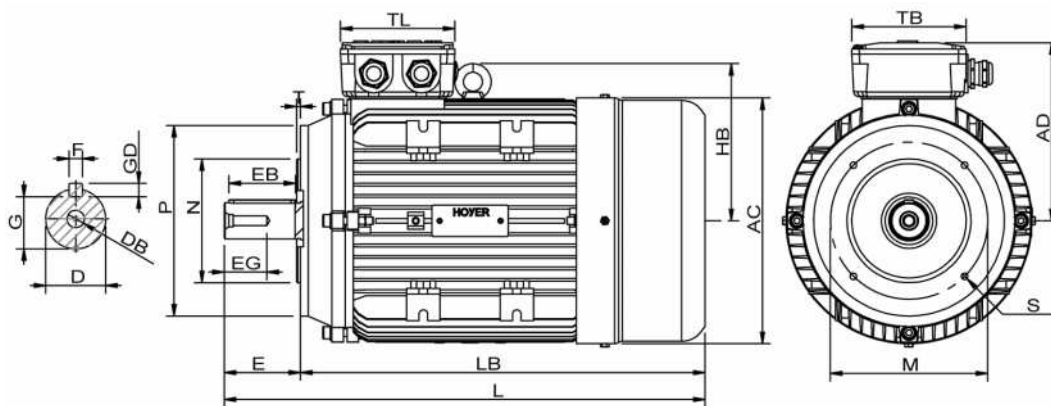


Data Sheet

Itemnumber....: 3220711308



AC = 139	DB = M5	EG = 13	GD = 5	LB = 219	P = 105	TB = 80
AD = 113	E = 30	F = 5	H = 71	M = 85	S = 4 - M6	TL = 80
D = 14k6	EB = 22	G = 11	L = 249	N = 70	T = 2,50	

Version

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

Electrical design

Efficiency.....: IE2
Pole.....: 2
Power at 50 Hz (kW).....: 0,55
Hz.....: 60 (60 Hz output)
Voltage.....: 440VY
Winding voltage.....: 230VD/400VY 50 Hz
Power output (kW).....: 0,64
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

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).....: 0,00041
Noise level (dB(A)).....: 62
No load current (A).....: 0,70
Winding resist. (ohm).....: 12,8
Starting time (sec.).....: 0,00
Temp. rise winding (K).....: 32
Temp. rise surface (K).....: 19

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

Rated power (kW)	0,55	0,53	0,66	0,64
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)	2,18 1,26	2,24 1,28	2,18 1,26	1,28
Speed (rpm)	2820	2820	3320	3320
Power factor cos(phi)	0,83	0,84	0,83	0,87
Efficiency, 100/75/50 (%) . .	77,0/79,3/78,5	77,0/79,3/78,5	77,0/79,3/78,5	75,4/77,8/77,0
Ist/In	6,15	5,45	6,15	5,70
Full load torque (Nm)	1,86	1,80	1,86	1,80
Tst/Tn	3,35	3,10	3,35	2,90
Tmax/Tn	3,20	3,00	3,20	2,80
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45