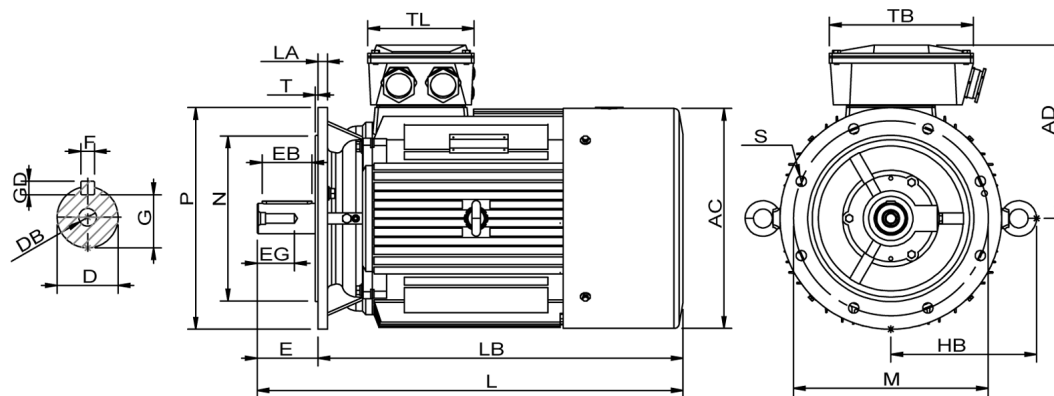


Data Sheet

Itemnumber.....: 3223151209



AC = 620	DB = M20	EG = 56	GD = 11	LA = 22	N = 550	T = 6
AD = 546	E = 140	F = 18	HB = 432	LB = 1148	P = 660	TB = 400
D = 65	EB = 110	G = 58	L = 1288	M = 600	S = 8-Ø24	TL = 280

Version

Type.....: HMC2 315M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE2
Pole.....: 2
Power at 50 Hz (kW).....: 132
Hz.....: 60 (60 Hz output)
Voltage.....: 440V
Winding voltage.....: 400V/690V 50 Hz
Power output (kW).....: 154
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 315
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).....: 950

Environment condition

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

Bearing

DE Bearing.....: 6317/C3
NDE Bearing.....: 6317/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M63x1,5
Ø37-44mm metal
Accessory.....: 2 x M20x1,5
Metal blindcaps
Terminal board thread.....: 6-M16

Test values

Rotor inertia (kgm²).....: 1,68
Noise level (dB(A)).....: 85
No load current (A).....: 48,5
Winding resist. (ohm).....: 0,016
Starting time (sec.).....: 0,51
Temp. rise winding (K).....: 65
Temp. rise surface (K).....: 35

Motor protection

Thermal protection main.....: PTC 3x 155 dgr
Thermal protection second.....: None
Space heater.....: 1x 230V 100W
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)	132	128	158	154
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)	218 126	224 130	218 126	230
Speed (rpm)	2980	2980	3560	3560
Power factor cos(phi)	0,92	0,93	0,92	0,93
Efficiency, 100/75/50 (%)	94,6/ 93,8 /92,7	94,6/ 93,8 /92,7	94,6/ 93,8 /92,7	94,3/ 93,4 /92,4
Ist/In	7,75	6,85	7,75	7,15
Full load torque (Nm)	425	410	425	410
Tst/Tn	2,22	2,06	2,22	1,92
Tmax/Tn	3,60	3,35	3,60	3,15
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45