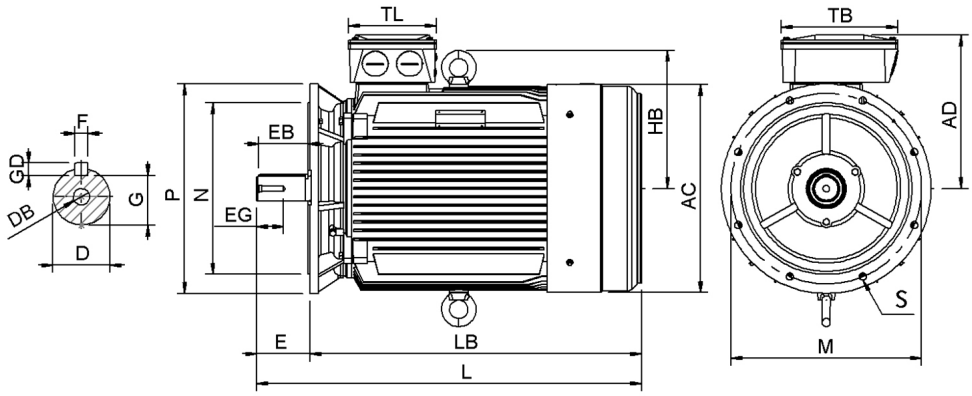
Data Sheet

Itemnumber....: 5523152200



AC = 618	**DB = M20**	**EG = 56**	**GD = 11**	**LA = 22**	**N = 550**	**T = 6**
AD = 546	**E = 140**	**F = 18**	**HB = 430**	**LB = 1163**	**P = 660**	**TB = 420**
D = 65	**EB = 130**	**G = 58**	**L = 1303**	**M = 600**	**S = 8-Ø24**	**TL = 299**

Version
Type.....: HMC3 315L1-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design
Efficiency.....: IE3
Pole.....: 2
Power at 50 Hz (kW).....: 160
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 160
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.....: No

Explosion protection
According to.....: None
Type of protection.....: None

General
Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage
Special packing.....: No
Special requirements.....: No

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).....: 1.002

Environment condition
Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 40
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
Plastic blindcaps
Accessory.....: 2 x M20x1,5
Plastic blindcaps
Terminal board thread.....: 6-M16

Test values
Rotor inertia (kgm²).....: 2,11
Noise level (dB(A)).....: 88
No load current (A).....: 68,0
Winding resist. (ohm).....: 0,023
Starting time (sec.).....: 0,71
Temp. rise winding (K).....: 79
Temp. rise surface (K).....: 51

Rated power (kW)	160	156	192	186
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)	260 150	270 156	260 150	270
Speed (rpm)	2970	2970	3560	3560
Power factor cos(phi)	0,94	0,94	0,94	0,94
Efficiency, 100/75/50 (%)	95,6/ 95,8 /95,5	95,6/ 95,8 /95,5	95,6/ 95,8 /95,5	95,3/ 95,5 /95,2
Ist/In	6,50	5,70	6,50	5,95
Full load torque (Nm)	515	500	515	500
Tst/Tn	1,88	1,74	1,88	1,62
Tmax/Tn	2,70	2,50	2,70	2,34
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45