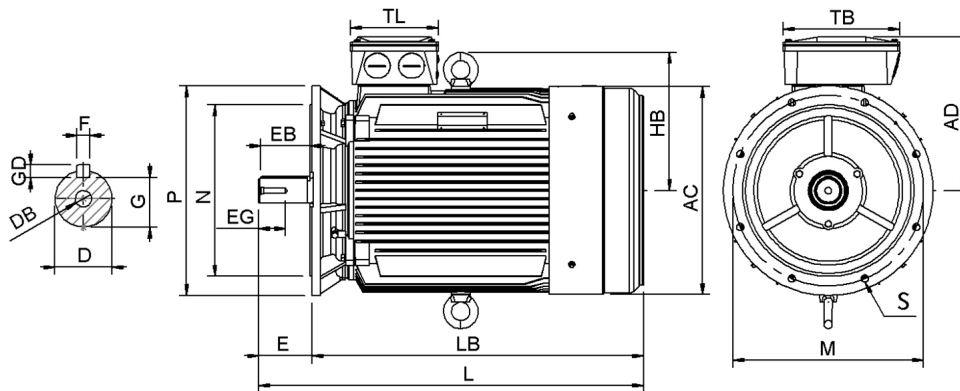


Data Sheet

Itemnumber....: 5543550200



AC = 699	DB = M24	EG = 56	GD = 14	LA = 25	N = 680	T = 6
AD = 664	E = 170	F = 25	HB = 489	LB = 1367	P = 800	TB = 460
D = 95	EB = 160	G = 86	L = 1537	M = 740	S = 8-Ø24	TL = 330

Version

Type.....: HMC3 355M-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 4
Power at 50 Hz (kW).....: 250
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 250
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 355
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).....: 1.673

Environment condition

Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 40
Altitude (mtr up to).....: 1000

Bearing

DE Bearing.....: 6322/C3
NDE Bearing.....: 6322/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M72x2,0
Metal blindcaps
Accessory.....: 2 x M20x1,5
Metal blindcaps
Terminal board thread.....: 6-M16

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

Test values

Rotor inertia (kgm²).....: 9,41
Noise level (dB(A)).....: 93
No load current (A).....: 114
Winding resist. (ohm).....: 0,013
Starting time (sec.).....: 0,58
Temp. rise winding (K).....: 61
Temp. rise surface (K).....: 43

Rated power (kW)	250	242	300	290
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)	415 242	430 250	415 242	430
Speed (rpm)	1490	1490	1790	1790
Power factor cos(phi)	0,90	0,91	0,90	0,91
Efficiency, 100/75/50 (%)	96,0/ 96,1 /95,6	96,0/ 96,1 /95,6	96,0/ 96,1 /95,6	95,7/ 95,8 /95,3
Ist/In	6,45	5,65	6,45	5,90
Full load torque (Nm)	1.600	1.560	1.600	1.560
Tst/Tn	1,86	1,72	1,86	1,60
Tmax/Tn	2,30	2,14	2,30	2,00
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45