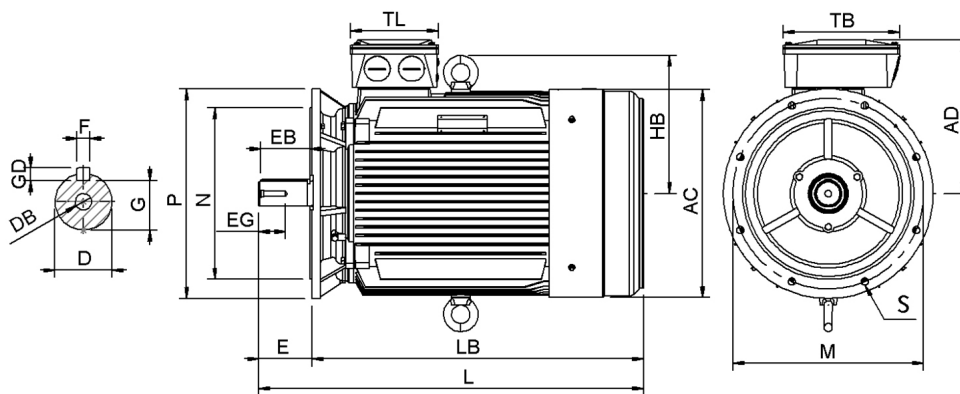


Data Sheet

Itemnumber..... 5563550200



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 355M1-6
Design..... Induction motor
Standard series..... IEC 60034
Phase / Voltage range..... 3~ / Low

Electrical design

Efficiency..... IE3
Pole..... 6
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

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)..... 1.520

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)..... 9,93
Noise level (dB(A))..... 80
No load current (A)..... 72,0
Winding resist. (ohm)..... 0,025
Starting time (sec.)..... 0,42
Temp. rise winding (K)..... 68
Temp. rise surface (K)..... 58

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)	275 158	280 162	275 158	280
Speed (rpm)	990	990	1190	1190
Power factor cos(phi)	0,89	0,90	0,89	0,90
Efficiency, 100/75/50 (%)	95,6/ 95,9 /94,7	95,6/ 95,9 /94,7	95,6/ 95,9 /94,7	95,3/ 95,6 /94,3
Ist/In	5,50	4,85	5,50	5,10
Full load torque (Nm)	1.540	1.500	1.540	1.500
Tst/Tn	2,00	1,86	2,00	1,74
Tmax/Tn	2,20	2,04	2,20	1,90
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45