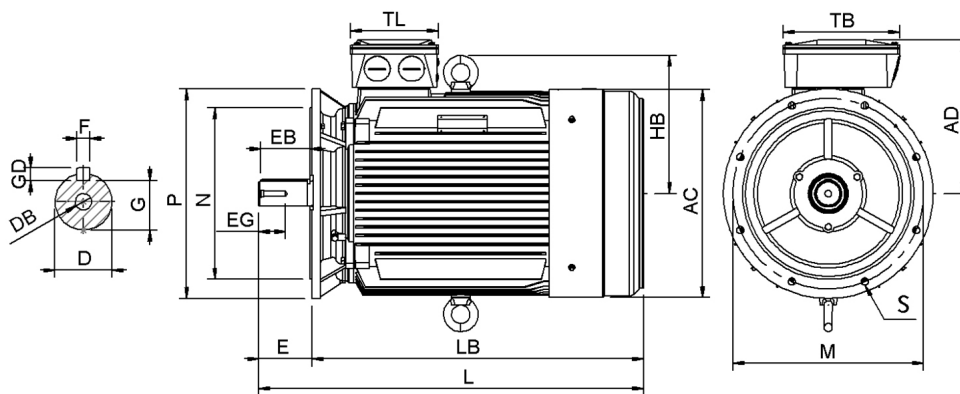


Data Sheet

Itemnumber..... 5543551200



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 355L-4
Design..... Induction motor
Standard series..... IEC 60034
Phase / Voltage range..... 3~ / Low

Electrical design

Efficiency..... IE3
Pole..... 4
Power at 50 Hz (kW)..... 315
Hz..... 50
Voltage..... 400VD/690VY
Winding voltage..... 400VD/690VY 50 Hz
Power output (kW)..... 315
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)..... 1.800

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)..... 10,8
Noise level (dB(A))..... 94
No load current (A)..... 156
Winding resist. (ohm)..... 0,0084
Starting time (sec.)..... 0,44
Temp. rise winding (K)..... 71
Temp. rise surface (K)..... 44

Rated power (kW)	315	305	380	365
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)	530 310	545 315	530 310	545
Speed (rpm)	1490	1490	1790	1790
Power factor cos(phi)	0,90	0,90	0,90	0,91
Efficiency, 100/75/50 (%)	96,0/ 95,9 /95,1	96,0/ 95,9 /95,1	96,0/ 95,9 /95,1	95,7/ 95,6 /94,7
Ist/In	7,50	6,60	7,50	6,90
Full load torque (Nm)	2.020	1.960	2.020	1.960
Tst/Tn	2,30	2,14	2,30	2,00
Tmax/Tn	2,50	2,32	2,50	2,16
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45