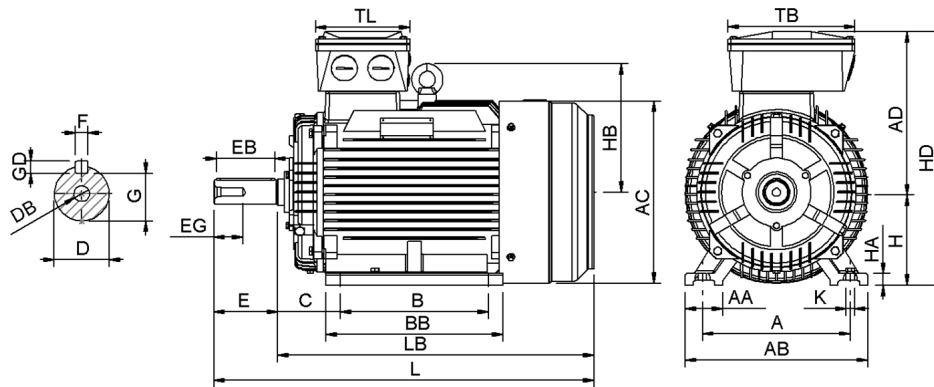


Data Sheet

Itemnumber.....: 5523550100



A = 610	AC = 699	BB = 750	DB = M24	EG = 56	GD = 12	HB = 489	L = 1507	TL = 330
AA = 116	AD = 664	C = 254	E = 140	F = 20	H = 355	HD = 1019	LB = 1367	
AB = 726	B = 560	D = 75	EB = 130	G = 67,50	HA = 52	K = 28	TB = 460	

Version

Type.....: HMC3 355M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 2
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.....: B3
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).....: 1.643

Environment condition

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

Bearing

DE Bearing.....: 6319/C3
NDE Bearing.....: 6319/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).....: 3,59
Noise level (dB(A)).....: 90
No load current (A).....: 116
Winding resist. (ohm).....: 0,0074
Starting time (sec.).....: 0,93
Temp. rise winding (K).....: 78
Temp. rise surface (K).....: 47

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	430 248	415 242	430
Speed (rpm)	2980	2980	3580	3580
Power factor cos(phi)	0,90	0,91	0,90	0,91
Efficiency, 100/75/50 (%)	95,8/ 96,0 /95,5	95,8/ 96,0 /95,5	95,8/ 96,0 /95,5	95,5/ 95,7 /95,2
Ist/In	6,70	5,90	6,70	6,15
Full load torque (Nm)	800	775	800	775
Tst/Tn	1,72	1,60	1,72	1,48
Tmax/Tn	2,30	2,14	2,30	2,00
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45