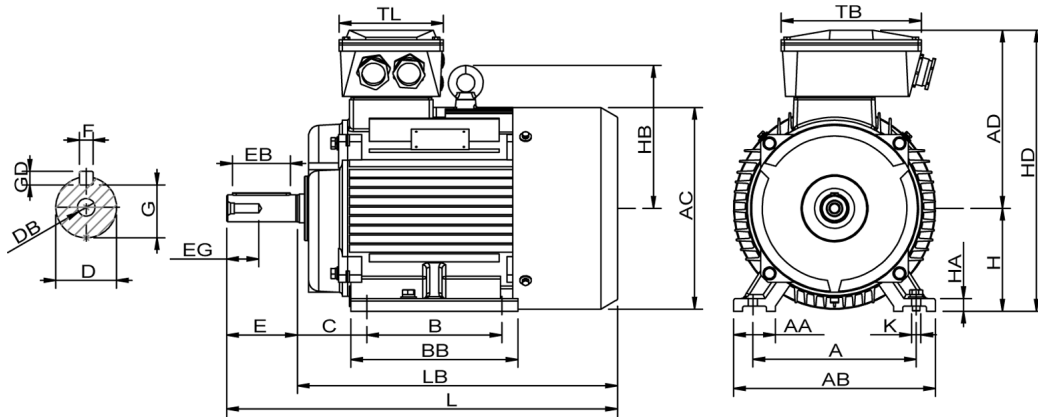


Data Sheet

Itemnumber....: 3243550109



A = 610	AC = 698	BE = 750	DB = M24	EG = 56	GD = 14	HB = 492	L = 1519	TL = 330
AA = 116	AD = 661	C = 254	E = 170	F = 25	H = 355	HD = 1016	LB = 1349	
AB = 726	B = 560	D = 95	EB = 160	G = 86	HA = 52	K = 28	TB = 460	

Version

Type.....: HMC2 355M2-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	IE2
Pole.....	4
Power at 50 Hz (kW).....	250
Hz.....	60 (60 Hz output)
Voltage.....	400VD
Winding voltage.....	400VD/690VY 50 Hz
Power output (kW).....	290
Duty.....	S1
Insulation class.....	F
Temperature rise.....	F

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).....	1.650

Environment condition

Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 45
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 Ø46-52mm metal
Accessory.....	2 x M20x1,5 Metal blindcaps
Terminal board thread.....	6-M16

Test values

```

Rotor inertia (kgm2).....: 7,77
No load current (A).....: 128
Winding resist. (ohm).....: 0,0099
Starting time (sec.).....: 0,36

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Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 100W
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: Yes

```

Explosion protection

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

General

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

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) . . .	425 246	435 255	425 246	445
Speed (rpm)	1490	1490	1780	1780
Power factor cos(phi) . . .	0,90	0,90	0,90	0,91
Efficiency, 100/75/50 (%) :	95,1/ 95,1 /94,6	95,1/ 95,1 /94,6	95,1/ 95,1 /94,6	94,8/ 94,7 /94,2
Ist/In	6,60	5,80	6,60	6,10
Full load torque (Nm) . . .	1.600	1.560	1.600	1.560
Tst/Tn	2,32	2,16	2,32	2,02
Tmax/Tn	2,85	2,65	2,85	2,46
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45