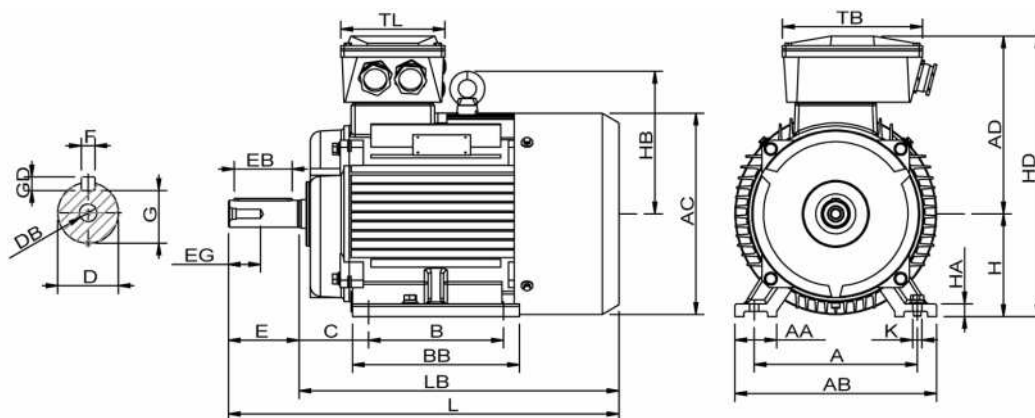


Data Sheet

Itemnumber....: 3242001109



A = 318	AC = 421	BB = 434	DB = M20	EG = 50	GD = 10	HB = 272	L = 834	TL = 192
AA = 70	AD = 323	C = 133	E = 110	F = 16	H = 200	HD = 523	LB = 724	
AB = 388	B = 305	D = 55	EB = 90	G = 49	HA = 25	K = 18, 50	TB = 260	

Version

Type..... HMC2 200L1-4
 Design..... Induction motor
 Standard series..... IEC 60034
 Phase / Voltage range..... 3~ / Low

Electrical design

Efficiency.....	IE2
Pole.....	4
Power at 50 Hz (kw).....	37,0
Hz.....	60 (60 Hz output)
Voltage.....	440VD 60 Hz
Winding voltage.....	400VD/690VY 50 Hz
Power output (kw).....	43,0
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

Frame size.....	200
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).....	318

Environment condition

```

Environment condition
Ambient temp. min. (°C)... -20
Ambient temp. max. (°C)... 45
Altitude (mtr up to)..... 1000

```

Bearing

Bearing
DE Bearing.....: 6312-ZZ/C3
NDE Bearing.....: 6312-ZZ/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....	Top
Cable entry direction.....	Right (from DE)
Cable entry	
Main.....	2 x M50x1,5
	Ø32-38mm metal
Accessory.....	2 x M20x1,5
	Metal blindcaps
Connection type.....	Delta (D)
Terminal board thread.....	6-M8

Test values

Rotor inertia (kgm ²).....	0,51
No load current (A).....	22,2
Winding resist. (ohm).....	0,14
Starting time (sec.).....	0,13

Motor protection

```

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

```

Explosion protection

According to.....: None

General

```

Direction of rotation.....: CW
Painting.....: RAL 9005 Gloss 10
Nameplate.....: Multivoltage + VFD
Special packing.....: No
Special requirements.....: No

```

Rated power (kW)	37,0	36,0	44,5	43,0
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)	65,5 38,0	67,5 39,0	65,5 38,0	68,0
Speed (rpm)	1480	1480	1760	1760
Power factor cos(phi)	0,88	0,88	0,88	0,89
Efficiency, 100/75/50 (%) . .	93,6/93,8/93,3	93,6/93,8/93,3	93,6/93,8/93,3	93,2/93,3/92,9
Ist/In	7,8	6,9	7,8	7,2
Full load torque (Nm)	238	232	238	232
Tst/Tn	3,1	2,8	3,1	2,6
Tmax /Tn	3,3	3	3,3	2,8
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45