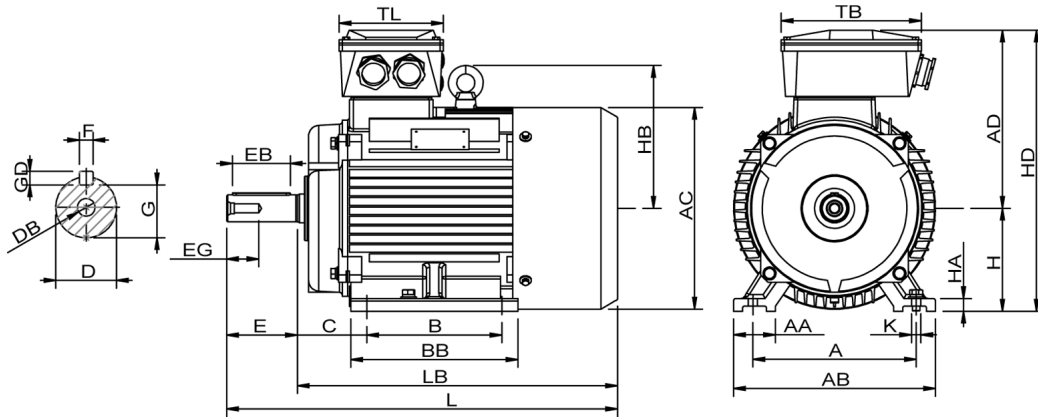


Data Sheet

Itemnumber....: 3242252109



A = 356	AC = 463	BE = 393	DB = M20	EG = 56	GD = 11	HB = 307	L = 897	TL = 192
AA = 75	AD = 347	C = 149	E = 140	F = 18	H = 225	HD = 572	LB = 754	
AB = 431	B = 311	D = 60	EB = 110	G = 53	HA = 28	K = 18,50	TB = 260	

Version

Type.....: HMC2 225M1-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

```

Efficiency..... IE2
Pole..... 4
Power at 50 Hz (kW)..... 55,0
Hz..... 60 (60 Hz output)
Voltage..... 440VD
Winding voltage..... 400VD/690VY 50 Hz
Power output (kW)..... 64,0
Duty..... S1
Insulation class..... F
Temperature rise..... B

```

Mechanical design

Frame size.....	225M1
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).....	410

Environment condition

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

Bearing

```
DE Bearing.....: 6314-ZZ/C3
NDE Bearing.....: 6313-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
Terminal board thread.....: 6-M8
```

Test values

Rotor inertia (kgm²).....: 0,90
No load current (A).....: 39,0
Winding resist. (ohm).....: 0,099
Starting time (sec.).....: 0,17

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 80W
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)	55,0	53,5	66,0	64,0
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) . . .	99,5 57,5	102 59,5	99,5 57,5	104
Speed (rpm)	1490	1490	1780	1780
Power factor cos(phi) . . .	0,85	0,86	0,85	0,87
Efficiency, 100/75/50 (%) :	93,5/ 93,6 /93,1	93,5/ 93,6 /93,1	93,5/ 93,6 /93,1	93,0/ 93,2 /92,6
Ist/In	6,90	6,05	6,90	6,35
Full load torque (Nm) . . .	355	345	355	345
Tst/Tn	2,30	2,14	2,30	1,98
Tmax/Tn	3,25	3,00	3,25	2,80
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45