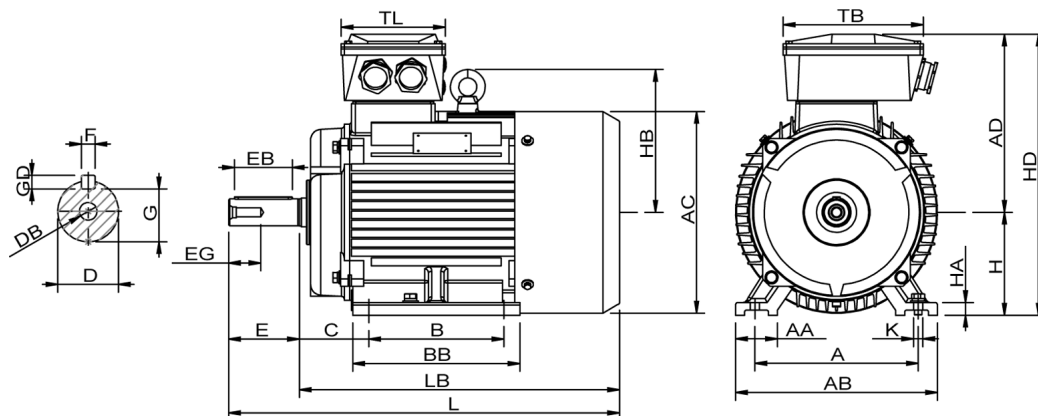


# Data Sheet

Itemnumber....: 3222001109



A = 318	AC = 397	BB = 369	DB = M20	EG = 50	GD = 10	HB = 263	L = 779	TL = 192
AA = 70	AD = 313	C = 133	E = 110	F = 16	H = 200	HD = 513	LB = 669	
AB = 388	B = 305	D = 55	EB = 90	G = 49	HA = 25	K = 18,50	TB = 260	

## Version

Type.....: HMC2 200L2-2  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

```

Efficiency.....: IE2
Pole.....: 2
Power at 50 Hz (kW).....: 37,0
Hz.....: 60 (60 Hz output)
Voltage.....: 440VD
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 43,0
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

```

## Mechanical design

```

Mechanical design.....: 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).....: 265

```

## 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
Terminal board thread.....: 6-M8

```

### Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 60W
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) . . . . .	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) . . . .	63,5 37,0	65,5 38,0	63,5 37,0	67,5
Speed (rpm) . . . . .	2950	2950	3540	3540
Power factor cos(phi) . . . .	0,91	0,91	0,91	0,91
Efficiency, 100/75/50 (%) . .	92,5/ 92,5 /91,4	92,5/ 92,5 /91,4	92,5/ 92,5 /91,4	92,1/ 92,1 /90,9
Ist/In . . . . .	8,50	7,50	8,50	7,80
Full load torque (Nm) . . . .	120	116	120	116
Tst/Tn . . . . .	3,10	2,85	3,10	2,65
Tmax/Tn . . . . .	3,90	3,60	3,90	3,35
Duty . . . . .	S1	S1	S1	S1
Ambient temp. (°C) . . . . .	40	45	40	45