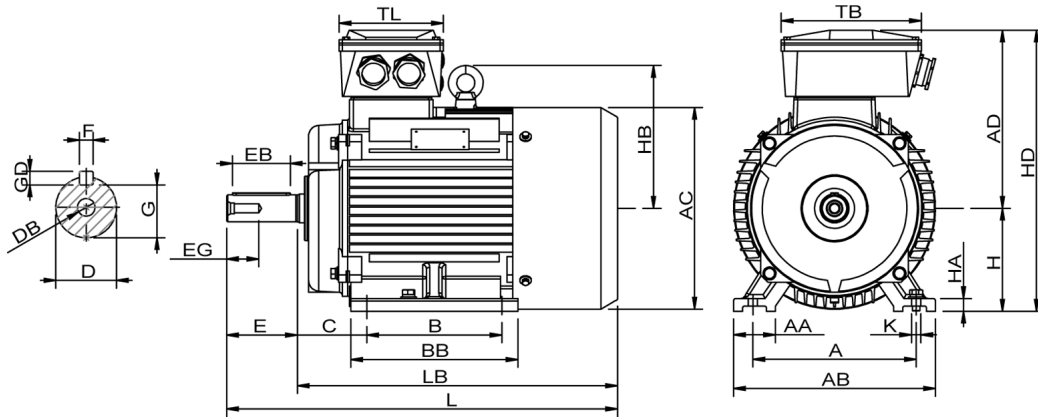


Data Sheet

Itemnumber....: 3261601109



A = 254	AC = 313	BE = 304	DB = M16	EG = 36	GD = 8	HB = 222	L = 652	TL = 162
AA = 65	AD = 277	C = 108	E = 110	F = 12	H = 160	HD = 437	LB = 542	
AB = 314	B = 254	D = 42	EB = 90	G = 37	HA = 20	K = 14,50	TB = 218	

Version

Type.....: HMC2 160L-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

```

Efficiency..... IE2
Pole..... 6
Power at 50 Hz (kW)..... 11,0
Hz..... 60 (60 Hz output)
Voltage..... 440VD
Winding voltage..... 400VD/690VY 50 Hz
Power output (kW)..... 12,8
Duty..... S1
Insulation class..... F
Temperature rise..... B

```

Mechanical design

Frame size.....	160
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).....	150

Environment condition

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

Bearing

```
DE Bearing.....: 6309-ZZ/C3
NDE Bearing.....: 6309-ZZ/C3
Fixed bearing.....: DE
```

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
  Main.....: 2 x M40x1,5
               Ø22-30mm metal
  Accessory.....: 2 x M20x1,5
                  Metal blindcaps
Terminal board thread.....: 6-M6
```

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 50W
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)	11,0	10,6	13,2	12,8
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)	23,2 13,4	24,0 13,8	23,2 13,4	24,2
Speed (rpm)	970	970	1160	1160
Power factor cos(phi)	0,77	0,78	0,77	0,79
Efficiency, 100/75/50 (%)	88,7/ 89,1 /88,1	88,7/ 89,1 /88,1	88,7/ 89,1 /88,1	87,9/ 88,3 /87,3
Ist/In	6,20	5,45	6,20	5,70
Full load torque (Nm)	108	104	108	104
Tst/Tn	2,50	2,32	2,50	2,16
Tmax/Tn	2,34	2,18	2,34	2,04
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45