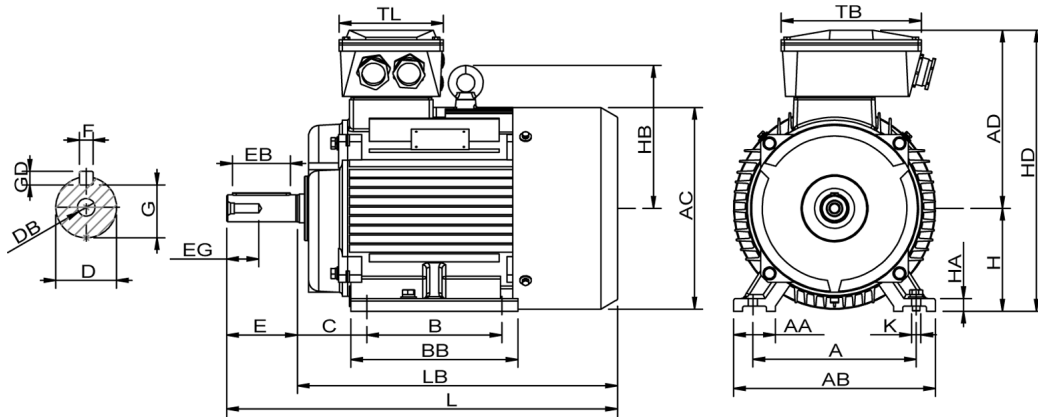


Data Sheet

Itemnumber....: 3242801109



A = 457	AC = 546	BE = 536	DB = M20	EG = 56	GD = 12	HB = 362	L = 1036	TL = 230
AA = 85	AD = 403	C = 190	E = 140	F = 20	H = 280	HD = 683	LB = 896	
AB = 542	B = 419	D = 75	EB = 110	G = 67,50	HA = 35	K = 24	TB = 305	

Version

Type.....: HMC2 280M-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	IE2
Pole.....	4
Power at 50 Hz (kW).....	90,0
Hz.....	60 (60 Hz output)
Voltage.....	440VD
Winding voltage.....	400VD/690VY 50 Hz
Power output (kW).....	104
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

Frame size.....	280
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).....	627

Environment condition

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

Bearing

```
DE Bearing.....: 6317/C3
NDE Bearing.....: 6314/C3
Fixed bearing.....: DE
```

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
  Main.....: 2 x M63x1,5
               Ø37-44mm metal
  Accessory.....: 2 x M20x1,5
                  Metal blindcaps
Terminal board thread.....: 6-M10
```

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)	90,0	87,5	108	104
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) . . .	150 87,0	154 89,5	150 87,0	158
Speed (rpm)	1480	1480	1780	1780
Power factor cos(phi) . . .	0,92	0,92	0,92	0,93
Efficiency, 100/75/50 (%) :	94,2/ 94,2 /93,9	94,2/ 94,2 /93,9	94,2/ 94,2 /93,9	93,8/ 93,8 /93,4
Ist/In	8,75	7,70	8,75	8,05
Full load torque (Nm) . . .	580	565	580	565
Tst/Tn	3,00	2,80	3,00	2,60
Tmax/Tn	3,80	3,50	3,80	3,25
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45