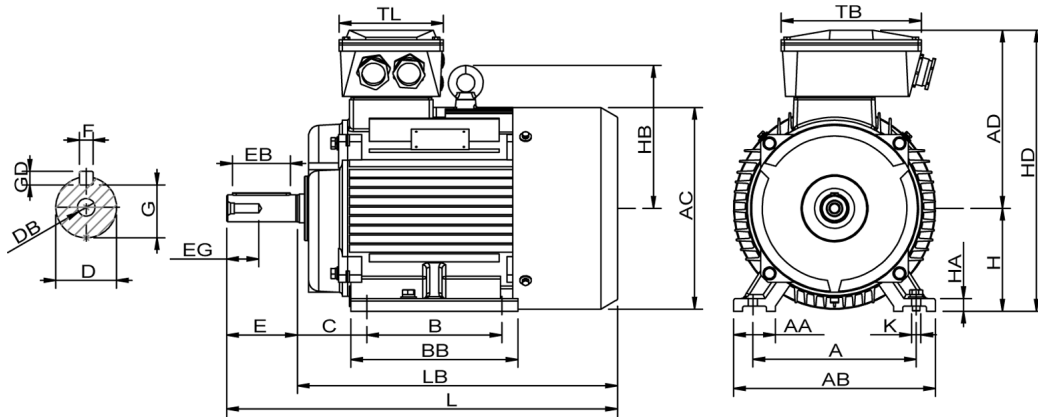


Data Sheet

Itemnumber....: 3222500199



A = 406	AC = 484	BE = 445	DB = M20	EG = 56	GD = 11	HB = 317	L = 910	TL = 230
AA = 80	AD = 374	C = 168	E = 140	F = 18	H = 250	HD = 624	LB = 770	
AB = 484	B = 349	D = 60	EB = 110	G = 53	HA = 30	K = 24	TB = 305	

Version

Type.....: HMC2 250M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

```

Efficiency.....: IE2
Pole.....: 2
Power at 50 Hz (kW).....: 55,0
Hz.....: 60 (60 Hz output)
Voltage.....: 690VD
Winding voltage.....: 690VD 60 Hz
Power output (kW).....: 64,0
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

```

Mechanical design

Frame size.....	250
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).....	405

Environment condition

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

Bearing

```
DE Bearing.....: 6313/C3
NDE Bearing.....: 6313/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
```

Test values

```

Rotor inertia (kgm2).....: 0,34
Noise level (dB(A)).....: 79
No load current (A).....: 15,0
Winding resist. (ohm).....: 0,16
Starting time (sec.).....: 0,29
Temp. rise winding (K).....: 70
Temp. rise surface (K).....: 51

```

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.....: Yes
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	66,0	64,0
Frequency (Hz)	50	60	60
Voltage (V)	575	690	690
Connection	D	D	D
Full load current (A) . . .	66,5	66,0	64,0
Speed (rpm)	2970	3550	3550
Power factor cos(phi) . . .	0,89	0,89	0,89
Efficiency, 100/75/50 (%) :	93,2/ 93,1 /92,4	93,2/ 93,1 /92,4	93,2/ 93,1 /92,4
Ist/In	6,75	6,75	6,95
Full load torque (Nm) . . .	178	178	172
Tst/Tn	1,92	1,92	1,98
Tmax/Tn	3,20	3,20	3,30
Duty	S1	S1	S1
Ambient temp. (°C)	40	40	45