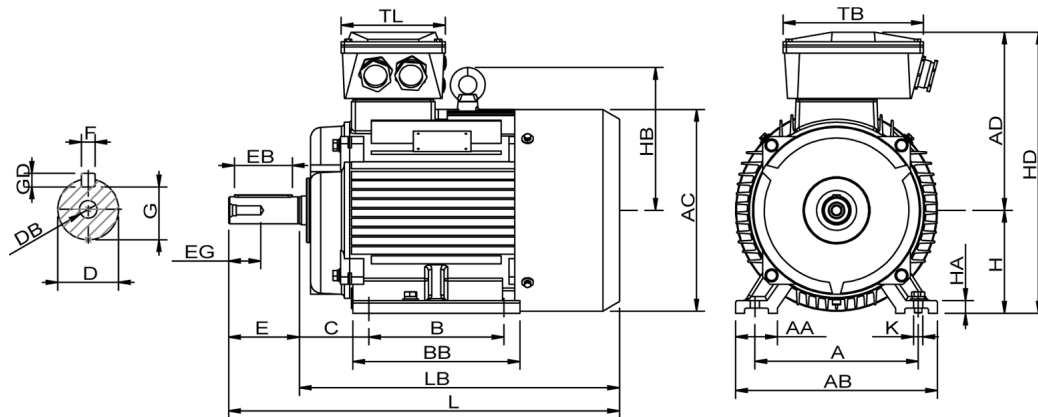


Data Sheet

Itemnumber....: 3222250199



A = 356	AC = 445	BB = 393	DB = M20	EG = 56	GD = 10	HB = 286	L = 802	TL = 192
AA = 75	AD = 336	C = 149	E = 110	F = 16	H = 225	HD = 561	LB = 692	
AB = 431	B = 311	D = 55	EB = 90	G = 49	HA = 28	K = 18,50	TB = 260	

Version

Type.....: HMC2 225M-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	: IE2
Pole.....	: 2
Power at 50 Hz (kW).....	: 45,0
Hz.....	: 60 (60 Hz output)
Voltage.....	: 690VD
Winding voltage.....	: 690VD 60 Hz
Power output (kW).....	: 52,5
Duty.....	: S1
Insulation class.....	: F
Temperature rise.....	: B

Mechanical design

Frame size.....	225
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).....	305

Environment condition

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

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 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)	45,0	54,0	52,5
Frequency (Hz)	50	60	60
Voltage (V)	575	690	690
Connection	D	D	D
Full load current (A) . . .	53,5	55,0	53,5
Speed (rpm)	2970	3550	3550
Power factor cos(phi) . . .	0,91	0,91	0,91
Efficiency, 100/75/50 (%) :	92,9/ 93,0 /93,1	92,9/ 93,0 /93,1	92,9/ 93,0 /93,1
Ist/In	8,30	8,30	8,55
Full load torque (Nm) . . .	144	144	140
Tst/Tn	2,80	2,80	2,85
Tmax/Tn	3,60	3,60	3,70
Duty	S1	S1	S1
Ambient temp. (°C)	40	40	45