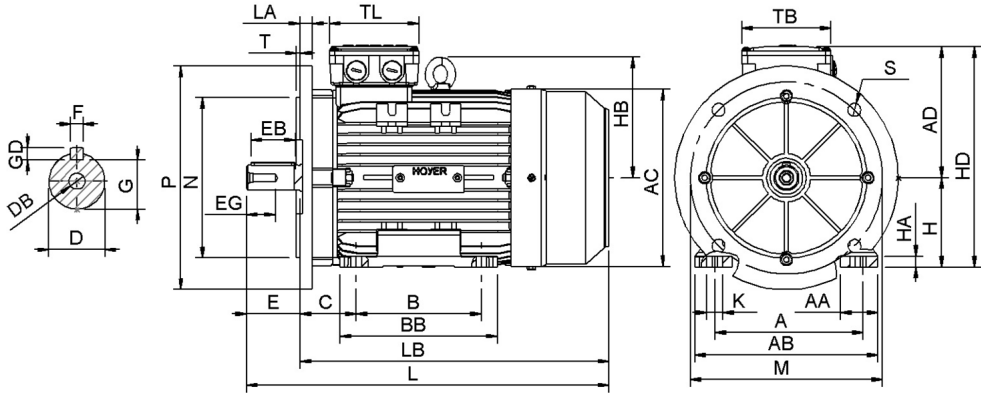


Data Sheet

Itemnumber....: 5520900409



AA = 140	AC = 175	BB = 155	DB = M8	EG = 24	GD = 7	HD = 222	LA = 10	N = 130	T = 3,50
AB = 35	AD = 132	C = 56	E = 50	F = 8	H = 90	K = 10	LB = 278	P = 200	TL = 100
AB = 177	B = 100	D = 24	EB = 40	G = 20	HA = 13	L = 328	M = 165	S = 4-Ø12	TB = 100

Version

Type.....: HMA3 90S-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	: IE3
Pole.....	: 2
Power at 50 Hz (kW).....	: 1,50
Hz.....	: 50
Voltage.....	: 230VD/400VY
Winding voltage.....	: 230VD/400VY 50 Hz
Power output (kW).....	: 1,50
Duty.....	: S1
Insulation class.....	: F
Temperature rise.....	: B

Mechanical design

Frame size.....	90
Mounting.....	B35
Rain cap.....	No
Protection class.....	IP55
Cooling method.....	IC411/TEFC
External grounding.....	Yes
Drain hole.....	Yes
Frame material.....	Aluminium
Material approval.....	None
Shaft.....	IEC standard
Key.....	Closed key
Balancing.....	Half key balancing
Vibration class.....	Grade-A
Weight (kg).....	15,5

Environment condition

```
Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 40
Altitude (mtr up to).....: 1000
```

Bearing

```
DE Bearing.....: 6205-ZZ/C3
NDE Bearing.....: 6205-ZZ/C3
Fixed bearing.....: DE
```

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
    Main.....: 2 x M20x1,5
                Plastic blindcaps
    Accessory.....: NA
Terminal board thread.....: 6-M4
```

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: None
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: No

```

Explosion protection

```
According to.....: None
Type of protection.....: None
```

General

```
Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage
Special packing.....: No
Special requirements.....: No
```

Rated power (kW)	1,50	1,46	1,80	1,74
Frequency (Hz)	50	50	60	60
Voltage (V)	230 400	220 380	280 480	440
Connection	D Y	D Y	D Y	Y
Full load current (A)	5,45 3,10	5,60 3,20	5,45 3,10	3,20
Speed (rpm)	2920	2920	3500	3500
Power factor cos(phi)	0,82	0,83	0,82	0,84
Efficiency, 100/75/50 (%) : 84,2/	84,7/83,2	84,2/84,7/83,2	84,2/84,7/83,2	83,1/83,6/82,0
Ist/In	9,05	7,95	9,05	8,30
Full load torque (Nm)	4,90	4,75	4,90	4,75
Tst/Tn	2,80	2,60	2,80	2,44
Tmax/Tn	3,00	2,80	3,00	2,60
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45