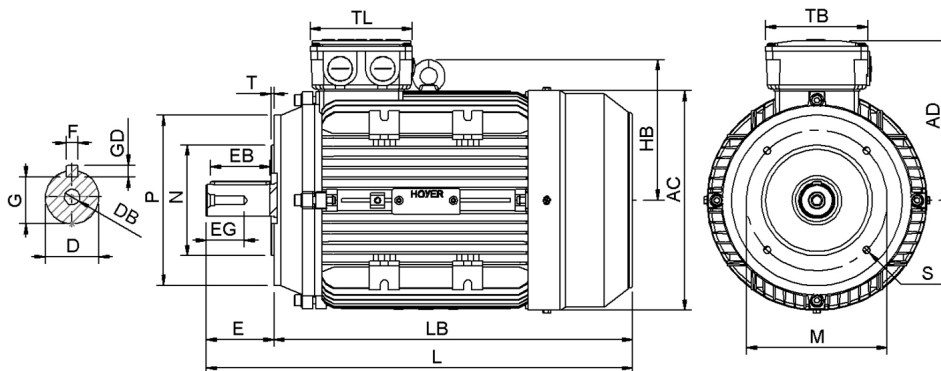


Data Sheet

Itemnumber.....: 5541320300



| | | | | | | |
|----------|----------|---------|----------|----------|-----------|----------|
| AC = 258 | DB = M12 | EG = 30 | GD = 8 | LB = 383 | P = 200 | TB = 120 |
| AD = 187 | E = 80 | F = 10 | HB = 165 | M = 165 | S = 4-M10 | TL = 120 |
| D = 38 | EB = 70 | G = 33 | L = 463 | N = 130 | T = 3,50 | |

Version

Type.....: HMA3 132S-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 4
Power at 50 Hz (kW).....: 5,50
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 5,50
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 132
Mounting.....: B14
B14 M measure.....: 165
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).....: 53,0

Environment condition

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

Bearing

DE Bearing.....: 6308-ZZ/C3
NDE Bearing.....: 6308-ZZ/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M25x1,5
Plastic blindcaps
Accessory.....: 1 x M20x1,5
Plastic blindcap
Terminal board thread.....: 6-M5

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

Test values

Rotor inertia (kgm²).....: 0,034
Noise level (dB(A)).....: 61
No load current (A).....: 5,10
Winding resist. (ohm).....: 1,96
Starting time (sec.).....: 0,06
Temp. rise winding (K).....: 49
Temp. rise surface (K).....: 42

| | | | | |
|---------------------------|------------------|------------------|------------------|------------------|
| Rated power (kW) | 5,50 | 5,35 | 6,60 | 6,40 |
| 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) | 10,8 6,25 | 11,0 6,40 | 10,8 6,25 | 11,0 |
| Speed (rpm) | 1460 | 1460 | 1750 | 1750 |
| Power factor cos(phi) | 0,82 | 0,83 | 0,82 | 0,84 |
| Efficiency, 100/75/50 (%) | 89,6/ 89,9 /88,9 | 89,6/ 89,9 /88,9 | 89,6/ 89,9 /88,9 | 88,9/ 89,2 /88,1 |
| Ist/In | 8,75 | 7,70 | 8,75 | 8,05 |
| Full load torque (Nm) | 36,0 | 35,0 | 36,0 | 35,0 |
| 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 |