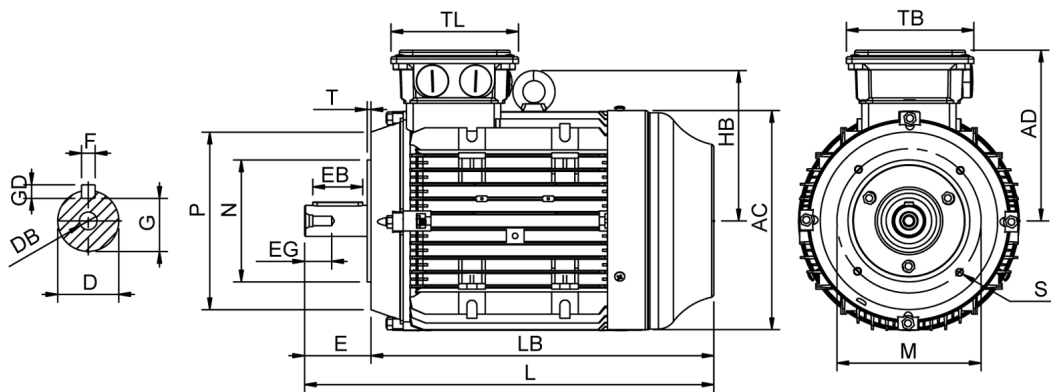


Data Sheet

Itemnumber.....: 6040800300



| | | | | | | |
|----------|---------|---------|-----------|----------|----------|----------|
| AC = 157 | D = 19 | EB = 32 | G = 15,50 | LB = 291 | P = 120 | TB = 110 |
| AD = 123 | DB = M6 | EG = 16 | GD = 6 | M = 100 | S = 4-M6 | TL = 110 |
| C = 50 | E = 40 | F = 6 | L = 331 | N = 80 | T = 3 | |

Version

Type.....: HMA4 80M2-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE4
Pole.....: 4
Power at 50 Hz (kW).....: 0,75
Hz.....: 50
Voltage.....: 230VD/400VY
Winding voltage.....: 230VD/400VY 50 Hz
Power output (kW).....: 0,75
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 80
Mounting.....: B14
B14 M measure.....: 100
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).....: 11,0

Environment condition

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

Bearing

DE Bearing.....: 6204-ZZ/C3
NDE Bearing.....: 6203-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.....: 1 x M12x1,5
Plastic blindcap
Terminal board thread.....: M4

Test values

Rotor inertia (kgm²).....: 0,0050
Noise level (dB(A)).....: 49
Starting time (sec.).....: 0,04

Motor protection

Thermal protection main.....: PTC 3x 155 dgr
Thermal protection second.....: None
Space heater.....: None 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) | 0,75 | 0,73 | 0,90 | 0,87 |
| 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) | 3,15 1,80 | 3,25 1,86 | 3,15 1,80 | 1,86 |
| Speed (rpm) | 1440 | 1440 | 1730 | 1730 |
| Power factor cos(phi) | 0,70 | 0,72 | 0,70 | 0,73 |
| Efficiency, 100/75/50 (%) | 85,7/84,5/81,5 | 85,7/84,5/81,5 | 85,7/84,5/81,5 | 84,7/83,4/80,2 |
| Ist/In | 7,90 | 6,95 | 7,90 | 7,25 |
| Full load torque (Nm) | 4,95 | 4,80 | 4,95 | 4,80 |
| Tst/Tn | 5,00 | 4,65 | 5,00 | 4,35 |
| Tmax/Tn | 4,30 | 4,00 | 4,30 | 3,70 |
| Duty | S1 | S1 | S1 | S1 |
| Ambient temp. (°C) | 40 | 45 | 40 | 45 |