

## Datasheet for three-phase Squirrel-Cage-Motors

**Order Number: 1LE0101-1BA22-2AA4**

Client-order-no.:

Order-no.:

Offer-no.:

Remarks:

Item-no.:

Consignment-no.:

Project:



### Electrical data

Rated motor voltage:	230VD / 400VY
Frequency:	50 Hz
Rated motor power:	4 kW
Rated motor speed:	2930 1/min
Maximum Speed:	5200 1/min
Number of poles:	2
No load current:	5.9 A
Rated current:	7.8 A
Starting current:	7.5
Rated motor torque:	13.04 Nm
Torque class:	L
Starting torque:	2.2
Breakdown torque:	2.9
Efficiency class:	IE 2
Efficiency 100% Load:	85.8%
Efficiency 75% Load:	86.6%
Efficiency 50% Load:	84.7%
Power factor 100% Load:	0.86
Motor protection:	without
Terminal box position:	terminal box on top

### Mechanical data

Noise (Lpfa):	63.00 dB(A)
Moment of inertia:	0.0064 kg m <sup>2</sup>
Cantilever force for x0:	980 N
Cantilever force for xmax:	790 N
Bearing drive end:	6206 2Z C3
Bearing non-drive end (hor.mount.):	6206 2Z C3
Bearing non-drive end (vert.mount.):	6206 2Z C3
Drain holes:	yes
Regreasing device:	no
Relubrication interval at 40°C:	
Coating:	RAL 7030 stone gray

### Site conditions

Ambient temperature:	-20.0°C to +40°C
Altitude above sea level:	1000m
Standards and specifications:	IEC

### General data

Frame size:	112M
Type of construction:	IMB3
Weight in kg (net):	40 kg
Frame material:	Cast iron
Fan cover material:	metal
Degree of protection:	IP 55
Method of cooling:	Self-ventilated (IC 411)
Vibration class:	A (standard)
Insulation:	155(F) / 130(B)
Duty type:	S1 = cont. operation
Direction of rotation:	bidirectional

### Terminal box

Material of terminal box:	Cast iron
Terminal screw thread:	M4
Max. cable cross-sectional area:	4 mm <sup>2</sup>
Cable diameter from ... to ...:	18 - 25 mm
Cable entry:	M32 x 1.5 + M32 x 1.5
Cable gland:	no

### Explosion protection

Type of protection:	without (standard)
---------------------	--------------------

### Special configurations