

Datasheet for three-phase Squirrel-Cage-Motors

Order Number: 1LE0102-2AB43-4AA4

Client-order-no.:

Order-no.:

Offer-no.:

Remarks:

Item-no.:

Consignment-no.:

Project:



Electrical data

Rated motor voltage: 400VD / 690VY

Frequency: 50 Hz

Rated motor power: 30 kW

Rated motor speed: 1470 1/min

Maximum Speed: 2300 1/min

Number of poles: 4

No load current: 23.0 A

Rated current: 56 A

Starting current: 7.4

Rated motor torque: 195 Nm

Torque class: K

Starting torque: 2.4

Breakdown torque: 3.1

Efficiency class: IE 1

Efficiency 100% Load: 90.7%

Efficiency 75% Load: 91.6%

Efficiency 50% Load: 90.5%

Power factor 100% Load: 0.85

Motor protection: without

Terminal box position: terminal box on top

General data

Frame size: 200L

Type of construction: IMB3

Weight in kg (net): 235 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: M6

Max. cable cross-sectional area: 25 mm²

Cable diameter from ... to ...: 32 - 38 mm

Cable entry: M50 x 1.5 + M50 x 1.5

Cable gland: no

Mechanical data

Noise (Lpfa): 65.00 dB(A)

Moment of inertia: 0.22 kg m²

Cantilever force for x0: 3350 N

Cantilever force for xmax: 2800 N

Bearing drive end: 6212 Z C3

Bearing non-drive end (hor.mount.): 6212 Z C3

Bearing non-drive end (vert.mount.): 6212 Z C3

Drain holes: yes

Regreasing device: no

Relubrication interval at 40°C:

Coating: RAL 7030 stone gray

Explosion protection

Type of protection: without (standard)

Special configurations

Site conditions

Ambient temperature: -20.0°C to +40°C

Altitude above sea level: 1000m

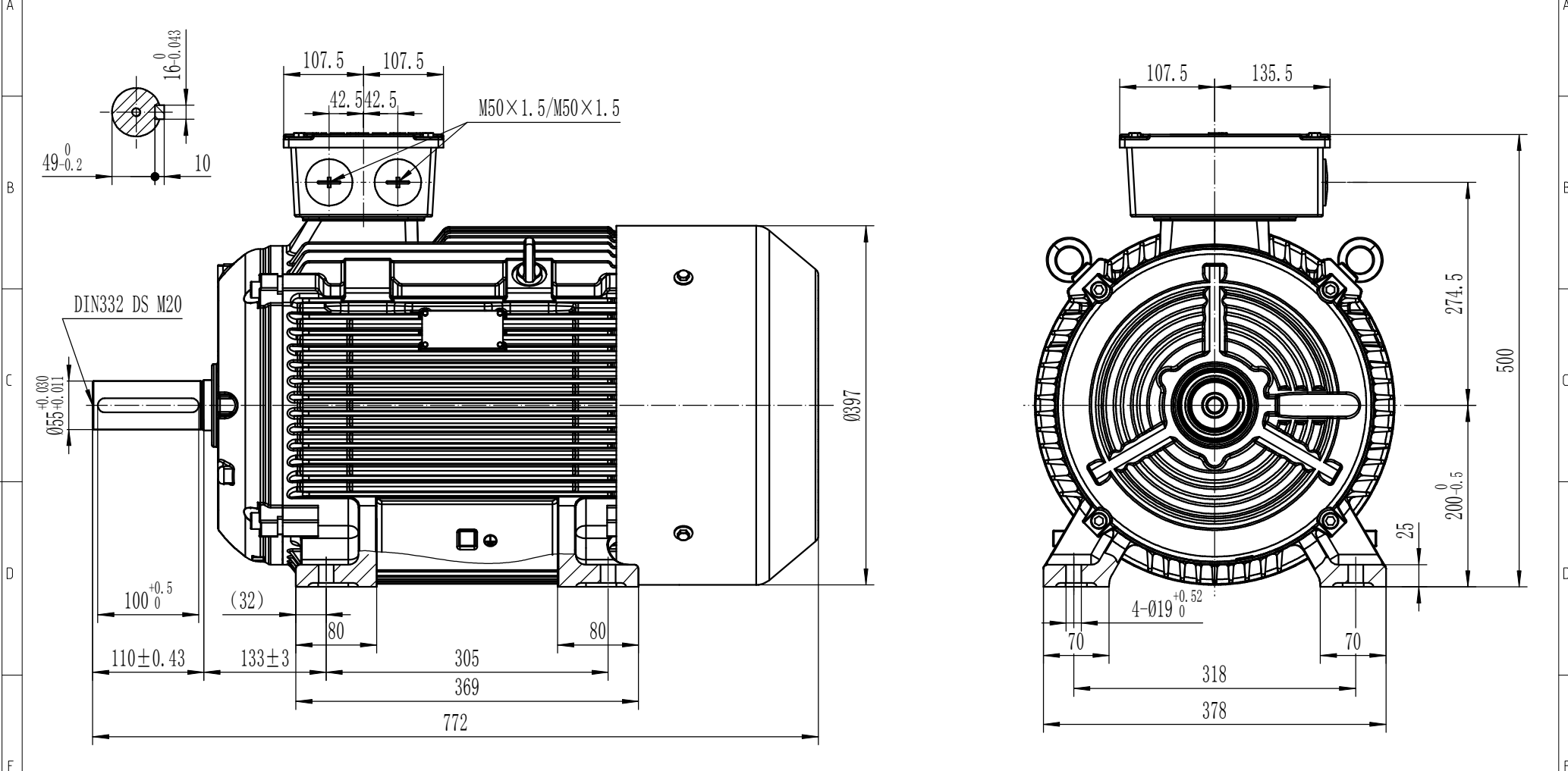
Standards and specifications: IEC

Technical and ordering data are subject to change. There may be discrepancies between calculated and rating plate values.

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