

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

**Order Number: 1LE0102-1DA33-4AA4**

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:	15 kW
Rated motor speed:	2930 1/min
Maximum Speed:	4500 1/min
Number of poles:	2
No load current:	12.1 A
Rated current:	28.5 A
Starting current:	7
Rated motor torque:	48.9 Nm
Torque class:	K
Starting torque:	2.2
Breakdown torque:	3.2
Efficiency class:	IE 1
Efficiency 100% Load:	88.7%
Efficiency 75% Load:	89.3%
Efficiency 50% Load:	87.4%
Power factor 100% Load:	0.85
Motor protection:	without
Terminal box position:	terminal box on top

### Mechanical data

Noise (Lpfa):	70.00 dB(A)
Moment of inertia:	0.034 kg m <sup>2</sup>
Cantilever force for x0:	1560 N
Cantilever force for xmax:	1240 N
Bearing drive end:	6209 2Z C3
Bearing non-drive end (hor.mount.):	6209 2Z C3
Bearing non-drive end (vert.mount.):	6209 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:	160M
Type of construction:	IMB3
Weight in kg (net):	101 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:	M5
Max. cable cross-sectional area:	16 mm <sup>2</sup>
Cable diameter from ... to ...:	22 - 32 mm
Cable entry:	M40 x 1.5 + M40 x 1.5
Cable gland:	no

### Explosion protection

Type of protection:	without (standard)
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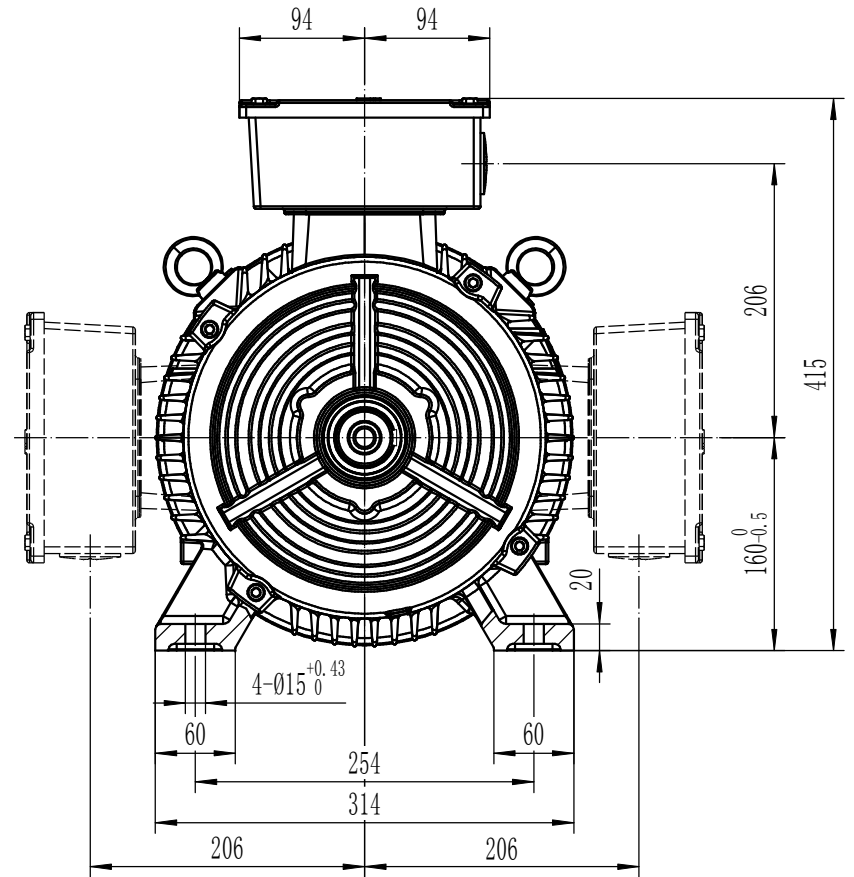
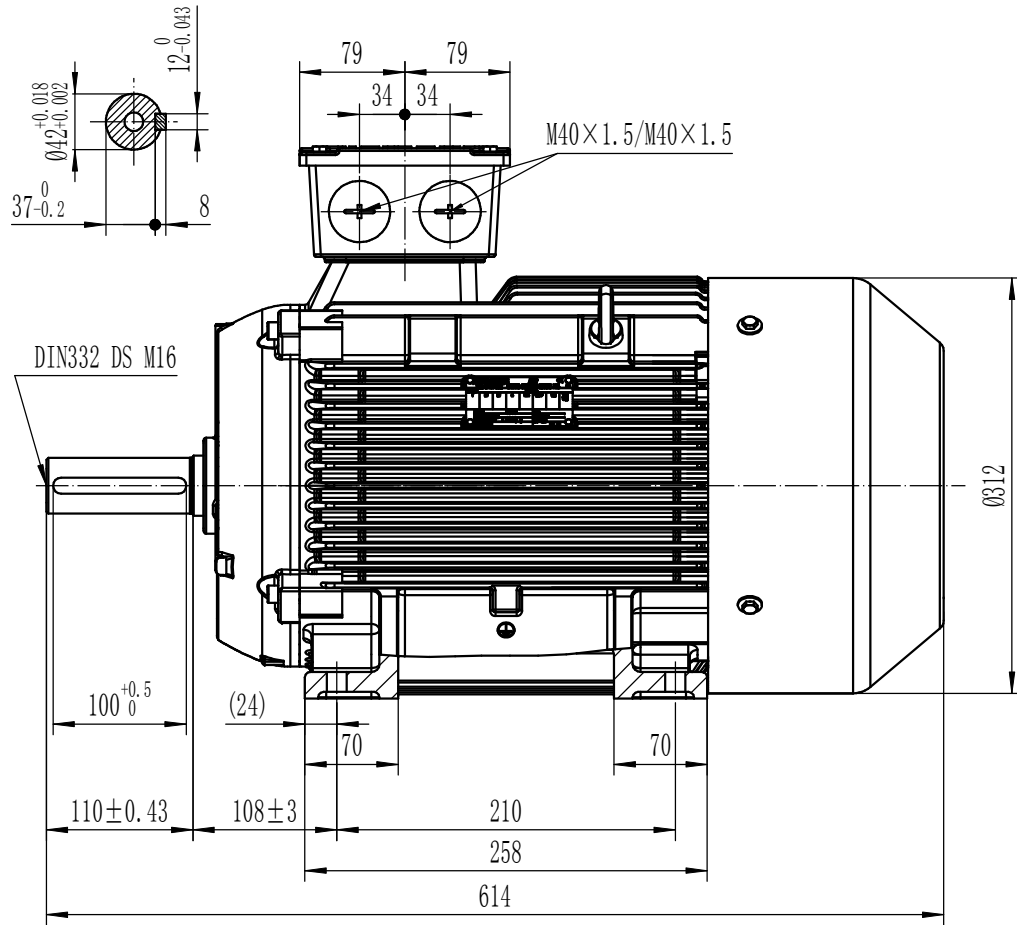
### Special configurations

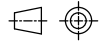
Technical and ordering data are subject to change. There may be discrepancies between calculated and rating plate values.

Printed on 2013-02-08

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 СИСТЕМЫ КОМПЬЮТЕРНОГО ПОСОБИЕ АВТОМАТИЗИРОВАННОГО ПРОЕКТИРОВАНИЯ

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general tolerances: ISO2768 未注公差		 CAXA	DIMENSION SHEET IMB3. FS160		重量
Revision / 版本号:			date / 日期: 20120731 name / 设计: Zhou Xiang		单位
date / 日期:		checked / 审核:		mm	比例
material / 材料 / 加工零件号 / 模具号		dept. / 部门: I DT LD SSML TD		1:4	张数
replacement for: 替代版本		Siemens		1LE0□□□-1DA3	总页