SIEMENS

Datasheet for three-phase Squirrel-Cage-Motors

Order Number: 1LE0101-1DA43-4AB4

Client-order-no.:
Order-no.:   Item-no.:
Offer-no.:   Consignment-no.:
Remarks: Project:

Electrical data

Rated motor voltage:	400VD / 690VY
Frequency:	50 Hz
Rated motor power:	18.5 kW
Rated motor speed:	2935 1/min
Maximum Speed:	4500 1/min
Number of poles:	2
No load current:	10.3 A
Rated current:	33 A
Starting current:	7.5
Rated motor torque:	60.2 Nm
Torque class:	K
Starting torque:	2.4
Breakdown torque:	3.2
Efficiency class:	IE 2
Efficiency 100% Load:	90.9%
Efficiency 75% Load:	91.7%
Efficiency 50% Load:	91.5%
Power factor 100% Load:	0.89
Motor protection:	3 PTC thermistors for tripping
Terminal box position:	terminal box on top

Mechanical data

Noise (Lpfa):	67.00 dB(A)
Moment of inertia:	0.046 kg m²
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:	160L
Type of construction:	IMB3
Weight in kg (net):	125 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 mm²
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)

Special configurations