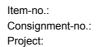
SIEMENS

Datasheet for three-phase Squirrel-Cage-Motors

Order Number: 1LE0101-2CA23-4AB4

Client-order-no.: Order-no.: Offer-no.:

Remarks:



Cable gland:

Type of protection:



Electrical data		
Rated motor voltage:	400VD / 690VY	
Frequency:	50 Hz	
Rated motor power:	55 kW	
Rated motor speed:	2970 1/min	
Maximum Speed:	3600 1/min	
Number of poles:	2	
No load current:	28.5 A	
Rated current:	97 A	
Starting current:	7.5	
Rated motor torque:	177 Nm	
Torque class:	K	
Starting torque:	2.5	
Breakdown torque:	3	
Efficiency class:	IE 2	
Efficiency 100% Load:	93.2%	
Efficiency 75% Load:	93.2%	
Efficiency 50% Load:	91.8%	
Power factor 100% Load:	0.88	
Motor protection:	3 PTC thermistors for tripping	
Terminal box position:	terminal box on top	

Contorui	idia	
Frame size:	250M	
Type of construction:	IMB3	
Weight in kg (net):	378 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:	M10	
Max. cable cross-sectional area:	120 mm²	
Cable diameter from to:	37 - 44 mm	
Cable entry:	M63 x 1.5 + M63 x 1.5	

General data

Mechanical data		
Noise (Lpfa):	74.00 dB(A)	
Moment of inertia:	0.42 kg m ²	
Cantilever force for x0:	3150 N	
Cantilever force for xmax:	2620 N	
Bearing drive end:	6215 C3	
Bearing non-drive end (hor.mount.):	6215 C3	
Bearing non-drive end (vert.mount.): 7215 AC		
Drain holes:	yes	
Regreasing device:	no	
Relubrication interval at 40°C:		
Coating:	RAL 7030 stone gray	

Special configurations	

Explosion protection

no

without (standard)

Site co.	nditions
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. Printed on 2013-02-08