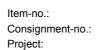
SIEMENS

Datasheet for three-phase Squirrel-Cage-Motors

Order Number: 1LE0101-2DB03-4AB4

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





Electrical data		
Rated motor voltage:	400VD / 690VY	
Frequency:	50 Hz	
Rated motor power:	75 kW	
Rated motor speed:	1485 1/min	
Maximum Speed:	2300 1/min	
Number of poles:	4	
No load current:	45.0 A	
Rated current:	132 A	
Starting current:	7.5	
Rated motor torque:	482 Nm	
Torque class:	K	
Starting torque:	2.7	
Breakdown torque:	3.1	
Efficiency class:	IE 2	
Efficiency 100% Load:	94.0%	
Efficiency 75% Load:	94.3%	
Efficiency 50% Load:	93.9%	
Power factor 100% Load:	0.87	
Motor protection:	3 PTC thermistors for tripping	
Terminal box position:	terminal box on top	

General data	
Frame size:	280S
Type of construction:	IMB3
Weight in kg (net):	555 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 mm ²

Mechanical data		
Noise (Lpfa):	66.00 dB(A)	
Moment of inertia:	1.4 kg m²	
Cantilever force for x0:	8300 N	
Cantilever force for xmax:	6950 N	
Bearing drive end:	6317 C3	
Bearing non-drive end (hor.mount.):	6317 C3	
Bearing non-drive end (vert.mount.):	7317 AC	
Drain holes:	yes	
Regreasing device:	yes	
Relubrication interval at 40°C:	5000 h	
Coating:	DAL 7030 stone gray	

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
Cable gland:	no

Noise (Lpfa):	66.00 dB(A)
Moment of inertia:	1.4 kg m²
Cantilever force for x0:	8300 N
Cantilever force for xmax:	6950 N
Bearing drive end:	6317 C3
Bearing non-drive end (hor.mount.):	6317 C3
Bearing non-drive end (vert.mount.):	7317 AC
Drain holes:	yes
Regreasing device:	yes
Relubrication interval at 40°C:	5000 h
Coating:	RAL 7030 stone gray

Explosion protection

Type of protection: without (standard)

Special configurations

Site conditions

-20.0°C to +40°C Ambient temperature:

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