SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE1603-2BB03-4AB4**

Motor type: **1CV3220B**

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

Item no.:
Consignment no.:
Project:

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%] 4/4	3/4	2/4	Power factor at ... load 4/4	3/4	2/4	I_A/I_N I_l/I_N	M_A/M_N T_l/T_N	M_K/M_N T_B/T_N	IE-CL
400	Δ	50	37.00	- / -	66.00	1478	239.0	93.9	94.5	94.4	0.86	0.83	0.74	6.4	2.5	2.7	IE3
690	Y	50	37.00	- / -	38.50	1478	239.0	93.9	94.5	94.4	0.86	0.83	0.74	6.4	2.5	2.7	IE3
460	Δ	60	42.50	- / -	66.00	1778	228.0	93.6	94.1	93.9	0.86	0.83	0.75	6.7	2.4	2.7	IE2
460	Δ	60	37.00	- / -	58.00	1782	198.0	94.5	94.7	94.2	0.85	0.81	0.71	7.5	2.8	3.0	IE3
IM B3 / IM 1001		FS 225 S			285 kg	IP55	CC032A	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data

Sound pressure level 50Hz/60Hz (load)	65 dB(A)	68 dB(A)
Moment of inertia	0.42 kg m²	
Bearing DE | NDE	6313 C3	6313 C3
Relubrication interval/quantity	20 g | 20 g 8000 h	
Lubricants	Esso Unirex N3	
Regreasing device	Yes (standard)	
Grease nipple	M10x1 DIN 3404 A	
Type of bearing	Locating bearing NDE	
Condensate drainage holes	Yes (standard)	
External earthing terminal	Yes (standard)	
Vibration class	A	
Insulation	155(F) to 130(B)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	cast iron	
Data of anti condensation heating	-/-	
Coating	Special paint finish C3	
Color	RAL7030	
Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)	
Method of cooling	IC411 - self ventilated, surface cooled	

Environmental conditions

Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m

Terminal box

Terminal box position	top
Material of terminal box	cast iron
Type of terminal box	TB1 L01
Contact screw thread	M8
Max. cross-sectional area	35.0 mm²
Cable diameter from ... to ...	27.0 mm - 35.0 mm
Cable entry	2xM50x1,5-2xM20x1,5
Cable gland	4 plugs

Special design

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