SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE1003-1AA42-2FA4**

Motor type: **1AV3104A**

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

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_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
230	Δ	50	3.00	- / -	9.90	2920	9.8	87.1	88.0	87.5	0.88	0.84	0.75	8.0	2.8	4.3	IE3
400	Y	50	3.00	- / -	5.60	2920	9.8	87.1	88.0	87.5	0.88	0.84	0.75	8.0	2.8	4.3	IE3
460	Y	60	3.45	- / -	5.60	3515	9.4	87.5	88.1	87.2	0.88	0.84	0.76	8.5	2.7	4.5	IE2
460	Y	60	3.00	- / -	4.90	3530	8.1	88.5	88.4	86.9	0.87	0.82	0.72	9.6	3.1	5.2	IE3
IM B5 / IM 3001		FS 100 L			26 kg	IP55	CC032A	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data

Sound pressure level 50Hz/60Hz (load)	67 dB(A)	71 dB(A)
Moment of inertia	0.0054 kg m²	
Bearing DE | NDE	6206 2Z C3	6206 2Z C3
Bearing lifetime	40000 h	
Lubricants	Esso Unirex N3	
Regreasing device	No	
Grease nipple	- / -	
Type of bearing	Preloaded bearing DE	
Condensate drainage holes	No	
External earthing terminal	No	
Vibration class	A	
Insulation	155(F) to 130(B)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	aluminum	
Data of anti condensation heating	-/-	
Coating	Standard paint finish C2	
Color	RAL7030	
Motor protection	(A) without (Standard)	
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	Aluminium
Type of terminal box	TB1 F00
Contact screw thread	M4
Max. cross-sectional area	4.0 mm²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 plugs

Special design

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