SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

Ordering data: **1LE1023-1EB29-0JB4**
                                  M2F
Motor type: **1AV3182B**

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 [%]			Power factor at ... load			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
								4/4	3/4	2/4	4/4	3/4	2/4				
460	Δ	60	18.50	25.0	31.00	1775	100.0	93.6	93.7	93.1	0.81	0.75	0.64	7.8	2.7	3.6	NPE

IM B35 / IM 2001	FS 180 M	134 kg	IP55	IEC/EN 60034	IEC, EN, NEMA MG1-12-12, UL, CSA		

Mechanical data

Sound pressure level 50 Hz/60Hz (load)	66 db(A)	68 db(A)
Moment of inertia	0.13 kg m²	
Bearing DE | NDE	6210 ZC3	6210 ZC3
Bearing lifetime	40000 h	
Lubricants	Esso Unirex N3	
Regreasing device	No	
Grease nipple	- / -	
Type of bearing	Locating bearing NDE	
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	Special paint finish	
Color	RAL7030	
Motor protection	(B) 3 PTC thermistors - for tripping	
Method of cooling	IC411 - self ventilated, surface cooled	

Terminal box

Terminal box position	top
Material of terminal box	Aluminium
Type of terminal box	TB1 J00
Contact screw thread	M5
Max. cross-sectional area	16.0 mm²
Cable diameter from ... to ...	19.0 mm - 28.0 mm
Cable entry	2xM40x1,5-1xM16x1,5
Cable gland	3 plugs

Special design

M2F	460 VD for 60 Hz, 50-Hz power

Environmental conditions

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

Explosion protection

Type of protection	- / -