

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1003-1CA02-2AB4

Motor type: 1AV3130A

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 [%]			Power factor at ... load			I_A/I_N I/I_N	M_A/M_N T_f/T_N	M_k/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	5.50	- / -	17.20	2950	17.8	89.2	89.2	88.2	0.90	0.88	0.83	7.4	1.8	3.6	IE3
400	Y	50	5.50	- / -	9.90	2950	17.8	89.2	89.2	88.2	0.90	0.88	0.83	7.4	1.8	3.6	IE3
460	Y	60	6.30	- / -	9.80	3545	17.0	89.5	89.5	88.5	0.90	0.88	0.83	7.5	1.8	3.7	IE3
460	Y	60	5.50	- / -	8.70	3555	14.8	89.5	89.5	88.5	0.89	0.86	0.80	8.6	2.1	4.2	IE3
IM B3 / IM 1001		FS 132 S		43 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	68 db(A)	72 db(A)
Moment of inertia	0.024 kg m²	
Bearing DE NDE	6208 2ZC3	6208 2ZC3
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	(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 H00
Contact screw thread	M4
Max. cross-sectional area	6.0 mm²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5-1xM16x1,5
Cable gland	3 plugs
Environmental conditions	
Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m
Special design	