

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data:

1LE1003-0EB42-2AA4

Motor type:

1AV3094B

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	1.50	- / -	5.60	1445	9.9	85.3	85.9	84.9	0.80	0.73	0.60	7.2	2.6	2.7	IE3
400	Y	50	1.50	- / -	3.15	1445	9.9	85.3	85.9	84.9	0.80	0.73	0.60	7.2	2.6	2.7	IE3
460	Y	60	1.75	- / -	3.15	1740	9.6	86.5	87.0	85.8	0.80	0.72	0.61	7.5	2.6	3.7	IE3
460	Y	60	1.50	- / -	2.85	1755	8.2	86.5	87.0	85.0	0.77	0.69	0.56	8.4	3.0	4.3	IE3
IM B3 / IM 1001		FS 90 L		19 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	56 db(A)	58 db(A)	Terminal box position	top
Moment of inertia	0.0049 kg m²		Material of terminal box	Aluminium
Bearing DE NDE	6205 2ZC3	6004 2ZC3	Type of terminal box	TB1 D00
Bearing lifetime	40000 h		Contact screw thread	M3,5
Lubricants	Esso Unirex N3		Max. cross-sectional area	1.5 mm²
Regreasing device	No		Cable diameter from ... to ...	9.0 mm - 17.0 mm
Grease nipple	- / -		Cable entry	1xM25x1,5
Type of bearing	Preloaded bearing DE		Cable gland	1 plug
Condensate drainage holes	No		Environmental conditions	
External earthing terminal	No		Ambient temperature	-20 °C - +40 °C
Vibration class	A		Altitude above sea level	1000 m
Insulation	155(F) to 130(B)		Special design	
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			