

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1003-1AB42-2AA4

Motor type: 1AV3104B

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	2.20	- / -	7.70	1465	14.3	86.7	86.7	85.7	0.83	0.79	0.69	7.6	2.1	3.6	IE3
400	Y	50	2.20	- / -	4.40	1465	14.3	86.7	86.7	85.7	0.83	0.79	0.69	7.6	2.1	3.6	IE3
460	Y	60	2.54	- / -	4.35	1760	13.8	87.5	87.5	86.5	0.84	0.80	0.71	7.7	2.2	3.7	IE2
460	Y	60	2.20	- / -	3.90	1770	11.9	87.5	87.5	86.5	0.81	0.76	0.66	8.7	2.5	4.3	IE2
IM B3 / IM 1001		FS 100 L		30 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	60 db(A)	62 db(A)	Terminal box position	top
Moment of inertia	0.014 kg m²		Material of terminal box	Aluminium
Bearing DE NDE	6206 2ZC3	6206 2ZC3	Type of terminal box	TB1 F00
Bearing lifetime	40000 h		Contact screw thread	M4
Lubricants	Esso Unirex N3		Max. cross-sectional area	4.0 mm²
Regreasing device	No		Cable diameter from ... to ...	11.0 mm - 21.0 mm
Grease nipple	- / -		Cable entry	2xM32x1,5
Type of bearing	Preloaded bearing DE		Cable gland	2 plugs
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			