

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1001-1BA63-4KA4

Motor type: 1AV2116A

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				
400	Δ	50	5.50	- / -	10.40	2945	18.0	87.0	87.8	87.4	0.88	0.84	0.75	8.5	2.3	3.8	IE2
690	Y	50	5.50	- / -	6.10	2945	18.0	87.0	87.8	87.4	0.88	0.84	0.75	8.5	2.3	3.8	IE2
460	Δ	60	6.30	- / -	10.00	3540	17.0	88.5	89.1	88.5	0.89	0.86	0.78	8.8	2.4	4.0	IE2
460	Δ	60	5.50	- / -	9.00	3550	15.0	88.5	88.6	87.5	0.87	0.83	0.75	9.9	2.8	4.5	IE2
IM B14 / IM 3601		FS 112 M		34 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	69 db(A)	73 db(A)
Moment of inertia	0.012 kg m²	
Bearing DE NDE	6206 2ZC3	6206 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	(A) without (Standard)	
Method of cooling	IC411 - self ventilated, surface cooled	

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

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

Special design	
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