

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1003-1DC43-4FB4

Motor type: 1AV3164C

Client order no.:
Order no.:
Offer no.:
Remarks:

Item no.:
Consignment no.:
Project:

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
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _f /T _N	T _B /T _N	
400	Δ	50	11.00	- / -	23.00	975	108.0	90.3	91.1	90.7	0.77	0.73	0.63	5.0	1.9	2.3	IE3
690	Y	50	11.00	- / -	13.30	975	108.0	90.3	91.1	90.7	0.77	0.73	0.63	5.0	1.9	2.3	IE3
460	Δ	60	12.60	- / -	23.00	1175	102.0	90.2	91.0	90.6	0.77	0.74	0.65	5.1	1.9	2.3	IE2

IM B5 / IM 3001		FS 160 L	115 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN		
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Mechanical data			Terminal box	
Sound pressure level 50 Hz/60Hz (load)	67 db(A)	70 db(A)	Terminal box position	top
Moment of inertia	0.12 kg m²		Material of terminal box	Aluminium
Bearing DE NDE	6209 2ZC3	6209 2ZC3	Type of terminal box	TB1 J00
Bearing lifetime	40000 h		Contact screw thread	M5
Lubricants	Esso Unirex N3		Max. cross-sectional area	16.0 mm²
Regreasing device	No		Cable diameter from ... to ...	19.0 mm - 28.0 mm
Grease nipple	- / -		Cable entry	2xM40x1,5-1xM16x1,5
Type of bearing	Locating bearing NDE		Cable gland	3 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	Special paint finish			
Color	RAL7030			
Motor protection	(B) 3 PTC thermistors - for tripping			
Method of cooling	IC411 - self ventilated, surface cooled			