

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1003-0EB02-2AA4

Motor type: 1AV3090B

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 _A /I _N	T _f /T _N	T _B /T _N	
230	Δ	50	1.10	- / -	4.25	1440	7.3	84.1	84.1	83.1	0.78	0.72	0.61	6.9	2.9	3.6	IE3
400	Y	50	1.10	- / -	2.40	1440	7.3	84.1	84.1	83.1	0.78	0.72	0.61	6.9	2.9	3.6	IE3
460	Y	60	1.27	- / -	2.40	1740	7.0	84.0	84.0	83.0	0.79	0.74	0.63	7.2	2.9	3.8	IE2
460	Y	60	1.10	- / -	2.20	1750	6.0	84.0	84.0	83.0	0.75	0.69	0.56	8.0	3.4	4.4	IE2
IM B3 / IM 1001		FS 90 S		16 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	0.0036 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			