

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1001-0EB00-2FA4

Motor type: 1AV2090B

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	Y	50	1.10	- / -	2.50	1425	7.4	81.4	81.4	80.4	0.78	0.72	0.61	5.6	2.3	2.9	IE2
460	Y	60	1.27	- / -	2.45	1725	7.0	84.0	84.0	83.0	0.78	0.72	0.61	6.1	2.3	3.0	IE2
IM B5 / IM 3001		FS 90 S		13 kg		IP55		IEC/EN 60034-30-1:2014		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50 Hz/60Hz (load)	56 db(A)	58 db(A)	Terminal box position	top
Moment of inertia	0.0028 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 NDE		Cable gland	1 plug
Environmental conditions				
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	