SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE1003-0EC02-2AA4-Z**
G40+H01+R50

Motor type: **1AV3090C**
Client order no.: Item no.:
Order no.: Consignment no.:
Offer no.: Project:
Remarks:

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%] 4/4	3/4	2/4	Power factor at ... load 4/4	3/4	2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
230	Δ	50	0.75	- / -	3.45	945	7.6	78.9	80.0	78.8	0.70	0.62	0.50	4.6	2.2	2.6	IE3
400	Y	50	0.75	- / -	1.96	945	7.6	78.9	80.0	78.8	0.70	0.62	0.50	4.6	2.2	2.6	IE3
460	Y	60	0.86	- / -	1.87	1140	7.2	82.5	83.2	81.7	0.70	0.62	0.50	4.9	2.1	2.7	IE3
460	Y	60	0.75	- / -	1.76	1155	6.2	82.5	82.4	79.9	0.65	0.56	0.44	5.3	2.4	3.1	IE3
IM B3 / IM 1001		FS 90 S			16 kg	IP55	CC032A	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data

Sound pressure level 50Hz/60Hz (load)	43 dB(A)	46 dB(A)
Moment of inertia	0.004 kg m²	
Bearing DE | NDE	6205 2Z C3	6004 2Z C3
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	

Environmental conditions

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

Terminal box

Terminal box position	top
Material of terminal box	Aluminium
Type of terminal box	TB1 E10
Contact screw thread	M4
Max. cross-sectional area	1.5 mm²
Cable diameter from ... to ...	9.0 mm - 17.0 mm
Cable entry	1xM25x1,5
Cable gland	1 plug

Special design

G40	Prepared for mounted components, only centering hole
H01	Bolted on mounting feet (instead of cast)
R50	Larger terminal box

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.