

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data:

1LE1002-0EC42-2KA4-Z
F01+F11

Motor type:1AV1094C

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 [%]			Power factor at ... load			I_A/I_N I_A/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				
230	Δ	50	1.10	- / -	5.50	925	11.0	72.9	73.8	71.2	0.69	0.59	0.46	3.8	2.2	2.4	IE1
400	Y	50	1.10	- / -	3.15	925	11.0	72.9	73.8	71.2	0.69	0.59	0.46	3.8	2.2	2.4	IE1
460	Y	60	1.27	- / -	3.10	1125	11.0	75.0	75.9	73.7	0.69	0.60	0.47	4.3	2.2	2.6	IE1
IM B14 / IM 3601			FS 90 L			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box		
Sound pressure level 50Hz/60Hz (load)	58 dB(A) ¹⁾	57 dB(A) ¹⁾	Terminal box position		top
Moment of inertia	0.00402 kg m²		Material of terminal box		Aluminium
Bearing DE NDE	6205 2Z C3	6004 2Z C3	Type of terminal box		TB1 E00
Bearing lifetime	40000 h		Contact screw thread		M4
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		1xM25x1,5-1xM16x1,5
Type of bearing	Preloaded bearing DE		Cable gland		2 plugs
Condensate drainage holes	No		Special design (2)		
External earthing terminal					
Vibration severity grade	A		F01	Mounting a brake	
Insulation	155(F) to 130(B)		F11	Brake supply voltage, 230 V AC, 50/60 Hz	
Duty type	S1				
Direction of rotation	bidirectional				
Frame material	aluminum				
Data of anti condensation heating	-/-				
Coating (paint finish)	Standard paint finish C2				
Color, paint shade	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

Notes	
$I_{A/N}$ = locked rotor current / current nominal	M_K/M_N = break down torque / nominal torque
M_A/M_N = locked rotor torque / torque nominal	1) Value is valid only for DOL operation with motor design IC411