



MLFB-Ordering data: 1LE1003-0EC42-2AA4

Motor type: 1AV3094C

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	M_A/M_N	M_K/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_A/I_N	T_B/T_N	T_B/T_N	
230	Δ	50	1.10	- / -	4.95	940	11.0	81.0	82.0	80.5	0.69	0.60	0.48	4.6	2.3	2.7	IE3
400	Y	50	1.10	- / -	2.85	940	11.0	81.0	82.0	80.5	0.69	0.60	0.48	4.6	2.3	2.7	IE3
460	Y	60	1.27	- / -	3.05	1140	11.0	75.0	75.8	74.6	0.70	0.62	0.49	4.6	2.2	2.8	IE1
460	Y	60	1.10	- / -	2.80	1150	9.1	75.0	75.1	73.0	0.66	0.57	0.44	4.9	2.5	3.2	IE1
IM B3 / IM 1001		FS 90 L			19 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN								

Mechanical data

Sound pressure level 50Hz/60Hz (load)	43 dB(A) ¹⁾ 46 dB(A) ¹⁾
Moment of inertia	0.0048 kg m ²
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	
Vibration severity grade	A
Insulation	155(F) to 130(B)
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

Terminal box

Terminal box position	top
Material of terminal box	Aluminium
Type of terminal box	TB1 E00
Contact screw thread	M4
Max. cross-sectional area	1.5 mm ²
Cable diameter from ... to ...	9.0 mm - 17.0 mm
Cable entry	1xM25x1,5
Cable gland	1 plug

Special design (0)

Environmental conditions

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

Notes

I_A/I_N = locked rotor current / current nominal M_A/M_N = break down torque / nominal torque
 M_K/M_N = locked rotor torque / torque nominal 1) Value is valid only for DOL operation with motor design IC411