



MLFB-Ordering data: **1LE1003-0EC02-2AA4**

Motor type: **1AV3090C**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U [V]	Δ / Y	f [Hz]	P		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
			[kW]	[hp]				4/4	3/4	2/4	4/4	3/4	2/4	I_A/I_N	T_i/T_N	T_B/T_N	
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		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	0.004 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