



MLFB-Ordering data: **1LE1023-0EB02-2FA4**

Motor type: **1AV3090B**

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 I/I_N	M_A/M_N T/T_N	M_k/M_N T_B/T_N	IE-CL
			[kW]	[hp]				4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	1.10	- / -	4.20	1440	7.3	84.1	84.7	83.4	0.78	0.70	0.58	6.9	2.9	3.6	IE3
400	Y	50	1.10	- / -	2.40	1440	7.3	84.1	84.7	83.4	0.78	0.70	0.58	6.9	2.9	3.6	IE3
460	Y	60	1.27	- / -	2.35	1740	7.0	86.5	86.9	85.6	0.79	0.72	0.60	7.4	2.9	3.8	IE3
460	Y	60	1.10	1.50	2.15	1750	6.0	86.5	86.4	84.2	0.75	0.67	0.54	8.2	3.4	4.4	MG1
IM B5 / IM 3001			FS 90 S		16 kg	IP55	CC032A	IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: N				

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	56 dB(A) ¹⁾	58 dB(A) ¹⁾	Terminal box position	top
Moment of inertia	0.0036 kg m ²		Material of terminal box	Aluminium
Bearing DE NDE	6205 2Z C3	6004 2Z C3	Type of terminal box	TB1 E10
Bearing lifetime	40000 h		Contact screw thread	M4
Lubricants	Unirex N3		Max. cross-sectional area	1.5 mm ²
Regreasing device	No		Cable diameter from ... to ...	9.0 mm - 17.0 mm
Grease nipple	- / -		Cable entry	1xM25x1,5
Type of bearing	Preloaded bearing DE		Cable gland	1 plug
Condensate drainage holes	No			
External earthing terminal				
Vibration severity grade	A		Special design (0)	
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			

Environmental conditions

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

Notes

I_A/I_N = locked rotor current / current M_k/M_N = break down torque / nominal torque
 M_A/M_N = locked rotor torque / torque 1) at rated power