



MLFB-Ordering data: **1LE1003-1DC42-2AA4**

Motor type: **1AV3164C**

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 1/1 _N	M_A/M_N T _r /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	11.00	- / -	38.00	980	107.0	90.3	91.1	90.7	0.80	0.75	0.65	6.8	2.9	2.8	IE3
400	Y	50	11.00	- / -	22.00	980	107.0	90.3	91.1	90.7	0.80	0.75	0.65	6.8	2.9	2.8	IE3
460	Y	60	12.60	- / -	21.50	1180	102.0	91.7	92.4	92.0	0.80	0.76	0.66	7.1	3.0	2.8	IE3
460	Y	60	11.00	- / -	19.30	1185	89.0	91.7	91.9	91.0	0.78	0.73	0.62	8.0	3.4	3.2	IE3
IM B3 / IM 1001			FS 160 L		115 kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	67 dB(A) ¹⁾	70 dB(A) ¹⁾	Terminal box position	top
Moment of inertia	0.12 kg m ²		Material of terminal box	Aluminium
Bearing DE NDE	6209 2Z C3	6209 2Z C3	Type of terminal box	TB1 J00
Bearing lifetime	40000 h		Contact screw thread	M5
Lubricants	Unirex N3		Max. cross-sectional area	16.0 mm ²
Regreasing device	No		Cable diameter from ... to ...	19.0 mm - 28.0 mm
Grease nipple	- / -		Cable entry	2xM40x1,5
Type of bearing	Locating bearing NDE		Cable gland	2 plugs
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 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

