



MLFB-Ordering data: **1LE1001-0DB22-2JB4**

Motor type: **1AV2082B**

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	0.55	- / -	2.40	1440	3.6	77.1	76.8	73.7	0.74	0.65	0.51	5.3	2.2	3.1	IE2
400	Y	50	0.55	- / -	1.39	1440	3.6	77.1	76.8	73.7	0.74	0.65	0.51	5.3	2.2	3.1	IE2
460	Y	60	0.63	- / -	1.42	1735	3.5	75.5	75.8	73.5	0.74	0.67	0.54	5.7	2.4	3.3	IE2
460	Y	60	0.55	- / -	1.29	1750	3.0	75.5	74.6	71.1	0.71	0.62	0.49	6.4	2.7	3.8	IE2
IM B35 / IM 2001			FS 80 M		10 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	53 dB(A) ¹⁾	55 dB(A) ¹⁾	Terminal box position	top
Moment of inertia	0.0017 kg m ²		Material of terminal box	Aluminium
Bearing DE NDE	6004 2Z C3	6004 2Z C3	Type of terminal box	TB1 E00
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	1xM25x1,5-1xM16x1,5
Type of bearing	Preloaded bearing DE		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	(B) 1 PTC thermistor - for tripping (2 terminals)			
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