



**MLFB-Ordering data:** 1LE1002-1DA43-4AA4

**Motor type:** 1AV1164A

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

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 <sub>A</sub> /I <sub>N</sub> I <sub>f</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>f</sub> /T <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub> T <sub>B</sub> /T <sub>N</sub>	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	18.50	- / -	34.50	2935	60.0	89.3	89.7	88.5	0.87	0.83	0.74	7.6	2.7	3.4	IE1
690	Y	50	18.50	- / -	19.90	2935	60.0	89.3	89.7	88.5	0.87	0.83	0.74	7.6	2.7	3.4	IE1
460	Δ	60	21.30	- / -	34.50	3530	58.0	89.5	89.5	88.3	0.88	0.85	0.77	7.8	2.7	3.4	IE1
IM B3 / IM 1001			FS 160 L		78 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN								

### Mechanical data

Sound pressure level 50Hz/60Hz (load)	70 dB(A) <sup>1)</sup>	77 dB(A) <sup>1)</sup>
Moment of inertia	0.044 kg m <sup>2</sup>	
Bearing DE   NDE	6209 2Z C3	6209 2Z C3
Bearing lifetime	40000 h	
Lubricants	Esso Unirex N3	
Regreasing device	No	
Grease nipple	- / -	
Type of bearing	Locating bearing NDE	
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	

### Environmental conditions

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

### Notes

I<sub>A</sub><sup>1)</sup> = locked rotor current / current nominal    M<sub>K</sub>/M<sub>N</sub> = break down torque / nominal torque  
M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / torque nominal    1) Value is valid only for DOL operation with motor design IC411

### Terminal box

Terminal box position	top
Material of terminal box	Aluminium
Type of terminal box	TB1 J00
Contact screw thread	M5
Max. cross-sectional area	16.0 mm <sup>2</sup>
Cable diameter from ... to ...	19.0 mm - 28.0 mm
Cable entry	2xM40x1,5
Cable gland	2 plugs

### Special design (0)

**Tel: 48 0000 49** (60 Lines)

