



MLFB-Ordering data: **1LE1002-1AB52-2KA4**

Motor type: **1AV1105B**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

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/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				
230	Δ	50	3.00	- / -	10.90	1425	20.0	81.5	82.6	81.5	0.85	0.78	0.65	5.4	2.4	2.6	IE1
400	Y	50	3.00	- / -	6.30	1425	20.0	81.5	82.6	81.5	0.85	0.78	0.65	5.4	2.4	2.6	IE1
460	Y	60	3.45	- / -	5.90	1725	19.0	85.0	85.8	84.8	0.86	0.80	0.68	6.0	2.2	2.3	IE1
IM B14 / IM 3601			FS 100 L		22 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN								

Mechanical data		Terminal box	
Sound pressure level 50Hz/60Hz (load)	60 dB(A) <sup>1)</sup>   62 dB(A) <sup>1)</sup>	Terminal box position	top
Moment of inertia	0.0078 kg m <sup>2</sup>	Material of terminal box	Aluminium
Bearing DE   NDE	6206 2Z C3   6206 2Z C3	Type of terminal box	TB1 F00
Bearing lifetime	40000 h	Contact screw thread	M4
Lubricants	Esso Unirex N3	Max. cross-sectional area	4.0 mm <sup>2</sup>
Regreasing device	No	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Grease nipple	- / -	Cable entry	2xM32x1,5
Type of bearing	Preloaded bearing DE	Cable gland	2 plugs
Condensate drainage holes	No	Special design (0)	
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>/I<sub>N</sub> = locked rotor current / current nominal    M<sub>k</sub>/M<sub>N</sub> = break down torque / nominal torque  
M<sub>k</sub>/M<sub>N</sub> = locked rotor torque / torque nominal    1) Value is valid only for DOL operation with motor design IC411