



MLFB-Ordering data: **1LE1001-0EB02-2KA4**

Motor type: **1AV2090B**

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			$I_A/I_N$   $I/I_N$	$M_A/M_N$   $T_f/T_N$	$M_k/M_N$   $T_B/T_N$	IE-CL
			[kW]	[hp]				4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	1.10	- / -	4.35	1425	7.4	81.4	81.8	80.0	0.78	0.70	0.56	5.6	2.3	2.9	IE2
400	Y	50	1.10	- / -	2.50	1425	7.4	81.4	81.8	80.0	0.78	0.70	0.56	5.6	2.3	2.9	IE2
460	Y	60	1.27	- / -	2.45	1725	7.0	84.0	84.7	83.3	0.78	0.71	0.59	6.1	2.3	3.0	IE2
460	Y	60	1.10	- / -	2.20	1740	6.0	84.0	83.7	81.2	0.74	0.65	0.52	7.0	2.7	3.6	IE2
IM B14 / IM 3601		FS 90 S		13 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	56 dB(A) <sup>1)</sup>	58 dB(A) <sup>1)</sup>	Terminal box position	top
Moment of inertia	0.0028 kg m <sup>2</sup>		Material of terminal box	Aluminium
Bearing DE   NDE	6205 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 <sup>2</sup>
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		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

$I_A/I_N$  = 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