



MLFB-Ordering data: **1LE1002-1DC43-4FA4**

Motor type: **1AV1164C**

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

U [V]	$\Delta / Y$	f [Hz]	P		I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%]			Power factor at ... load			$I_N/I_N$	$M_N/M_N$	$M_B/M_N$	IE-CL
			[kW]	[hp]				4/4	3/4	2/4	4/4	3/4	2/4				
400	$\Delta$	50	11.00	- / -	24.00	965	109.0	86.4	86.8	85.9	0.77	0.71	0.59	5.9	1.9	2.7	IE1
690	Y	50	11.00	- / -	13.80	965	109.0	86.4	86.8	85.9	0.77	0.71	0.59	5.9	1.9	2.7	IE1
460	$\Delta$	60	12.60	- / -	23.00	1165	103.0	89.0	89.3	88.3	0.77	0.71	0.61	6.3	1.9	2.7	IE1
IM B5 / IM 3001			FS 160 L			92 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN				

### Mechanical data

Sound pressure level 50Hz/60Hz (load)	67 dB(A) <sup>1)</sup>   70 dB(A) <sup>1)</sup>
Moment of inertia	0.078 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

### 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)

### Environmental conditions

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

### Notes

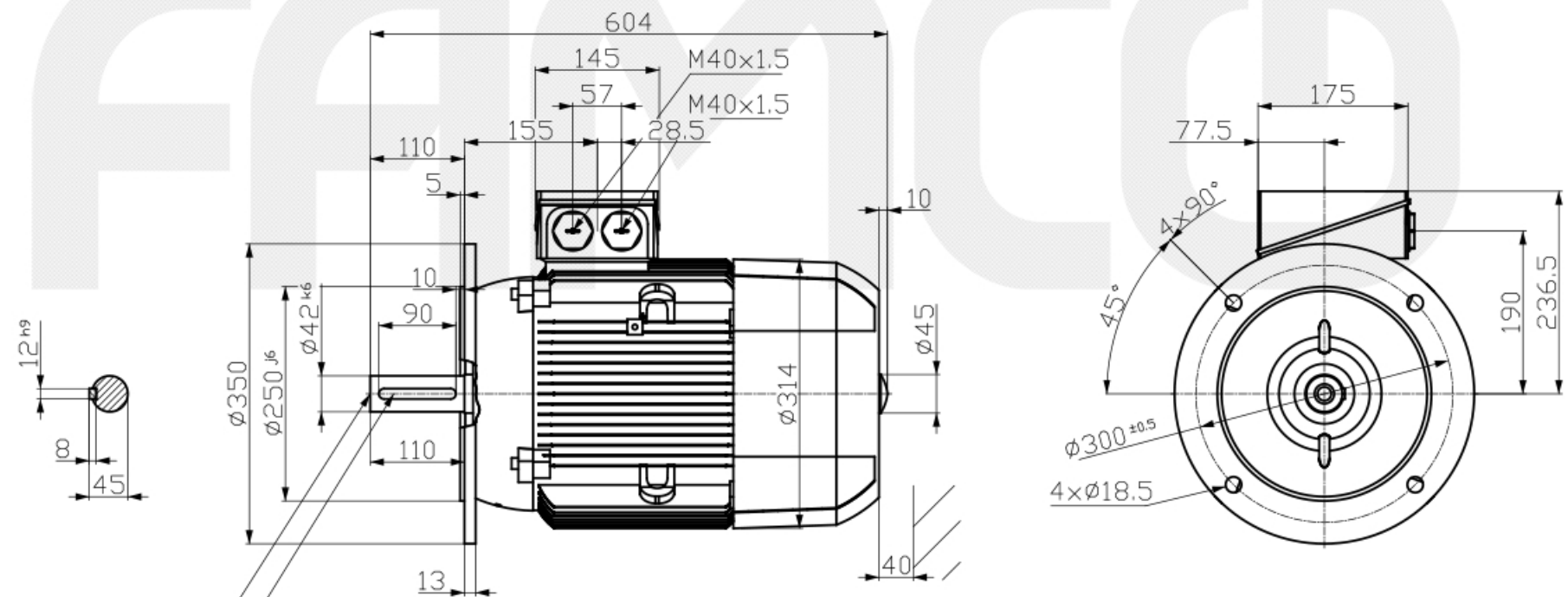
$I_{Lr}$  = locked rotor current / current nominal     $M_B/M_N$  = break down torque / nominal torque  
 $M_A/M_N$  = locked rotor torque / torque nominal    1) Value is valid only for DOL operation with motor design IC411

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

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DIN 332-DR M16  
 DIN 6885-1

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Tolerance	Surface	Material	Height	Scale
1LE1002-1DC43-4FA4	Author	Dimensional drawing Maßzeichnung	-	mm
-	Creator		DTK	
	Approval			
	Department			
	Change Order	M/FB	Doc. Type	
	Doc. State	1/21/19	Item No.	Paper Size A3
	Revision	Index IS	Doc. No.	1st Language en 2nd Language de
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