

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data: 1LE1002-1DB43-4AA4

Motor type: 1AV1164B

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_A/I_N I_f/I_N	M_A/M_N T_f/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	15.00	- / -	30.00	1460	98.0	88.7	89.0	87.8	0.82	0.76	0.63	7.5	3.0	3.6	IE1
690	Y	50	15.00	- / -	17.30	1460	98.0	88.7	89.0	87.8	0.82	0.76	0.63	7.5	3.0	3.6	IE1
460	Δ	60	17.30	- / -	28.50	1755	94.0	90.5	90.9	89.8	0.84	0.79	0.68	8.0	2.9	3.6	IE1
IM B3 / IM 1001			FS 160 L		73 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN								

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	65 dB(A) ¹⁾	69 dB(A) ¹⁾
Moment of inertia	0.056 kg m²	
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_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

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 mm²
Cable diameter from ... to ...	19.0 mm - 28.0 mm
Cable entry	2xM40x1,5
Cable gland	2 plugs

Special design (0)

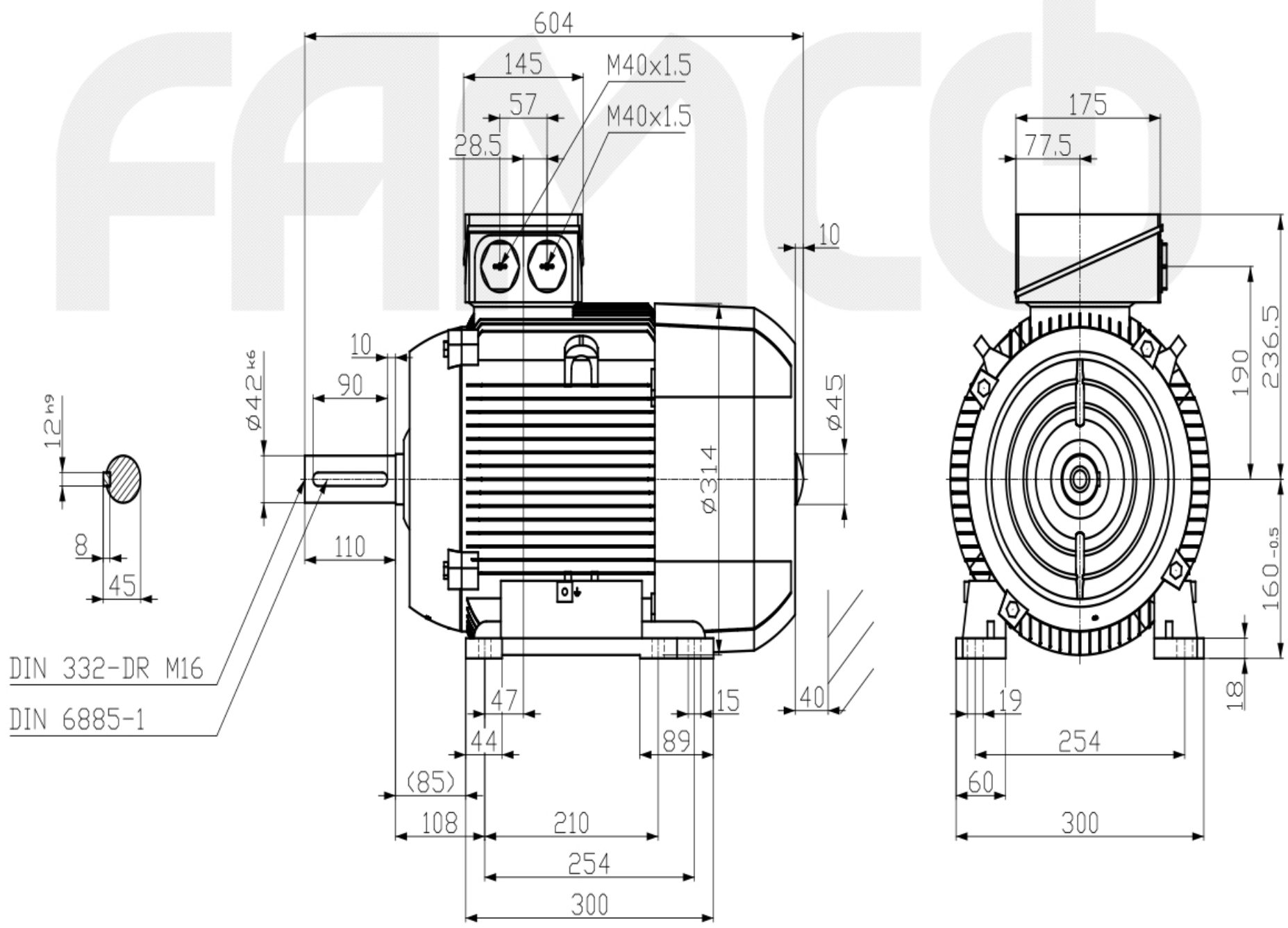
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Tolerance	Surface	Material	Weight	Scale
1LE1002-1DB43-4AA4	Author	Dimensional drawing Maßzeichnung		
-	Creditor			
	Approval			
	Department			
	Change Order	MFB	Doc. Type	
SIEMENS	Doc. State	1/21/19	Item No.	Paper Size A3
	Revision	Index	Doc. No.	1st Language en
				2nd Language de
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