SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE1003-1DA22-2AA4**

Motor type: **1AV3162A**

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 [%] 4/4	3/4	2/4	Power factor at ... load 4/4	3/4	2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
230	Δ	50	11.00	- / -	34.00	2955	35.5	91.2	91.0	89.5	0.89	0.86	0.78	7.9	2.4	3.8	IE3
400	Y	50	11.00	- / -	19.60	2955	35.5	91.2	91.0	89.5	0.89	0.86	0.78	7.9	2.4	3.8	IE3
460	Y	60	12.60	- / -	19.50	3555	34.0	91.0	90.7	89.0	0.89	0.87	0.80	7.9	2.8	3.7	IE3
460	Y	60	11.00	- / -	17.20	3560	29.5	91.0	90.2	88.0	0.88	0.85	0.77	8.9	3.2	4.3	IE3
IM B3 / IM 1001			FS 160 M		75 kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data

Sound pressure level 50Hz/60Hz (load)	70 dB(A) [1]	77 dB(A) [1]
Moment of inertia	0.053 kg m²	
Bearing DE | NDE	6209 2Z C3	6209 2Z C3
Bearing lifetime	40000 h	
Lubricants	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

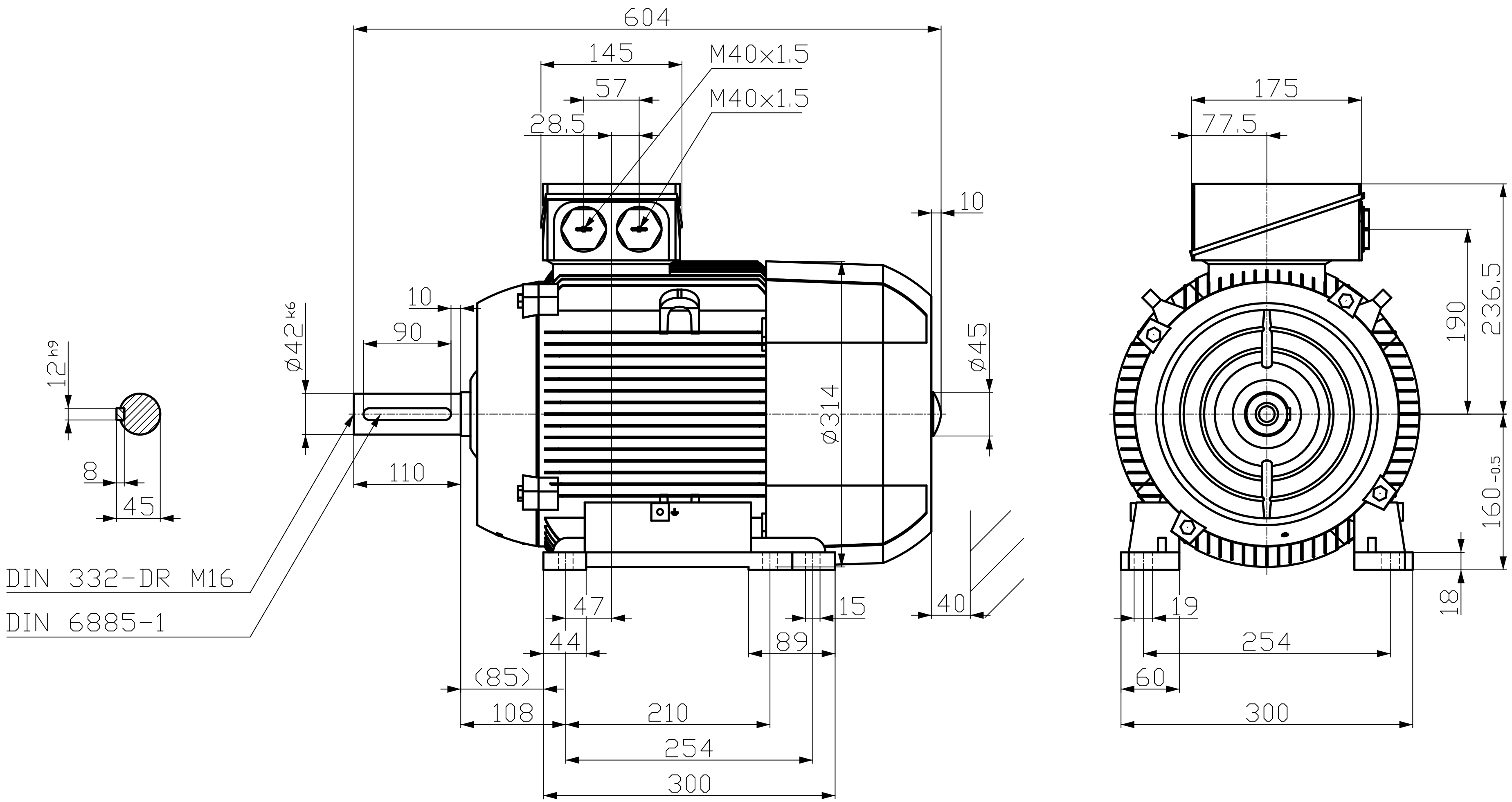
Terminal box

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)

Notes

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque
1) Value is valid only for DOL operation with motor design IC411



Tolerance	Surface	Material	Weight	Scale
			-	mm
1LE1003-1DA22-2AA4 -	Author	Dimensional drawing MaÇzeichnung		
	Creator DTK			
	Approval			
	Department			
	Change Order	MLFB	Doc Type	
SIEMENS	Doc State 6/28/19	Item No	Paper Size A3	
	Revision Index RS	Doc No	1st Language en 2nd Language de	
© Siemens AG 2018	Project No -	Ref No -	Sheet 1 of 1	