



MLFB-Ordering data: 1LE1003-1CA12-2FA4-Z
L25+M02

Motor type: 1AV3131A

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U	Δ/Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _f /T _N	T _B /T _N	
230	Δ	50	7.50	- / -	22.50	2950	24.0	90.1	91.0	91.0	0.92	0.90	0.84	8.3	1.9	3.9	IE3
400	Y	50	7.50	- / -	13.10	2950	24.0	90.1	91.0	91.0	0.92	0.90	0.84	8.3	1.9	3.9	IE3
460	Y	60	8.60	- / -	13.00	3550	23.0	90.2	90.8	90.5	0.92	0.90	0.84	8.2	2.0	3.9	IE3
460	Y	60	7.50	- / -	11.50	3560	20.0	90.2	90.4	89.6	0.91	0.88	0.82	9.4	2.2	4.5	IE3
IM B5 / IM 3001			FS 132 S		57 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	68 dB(A) ¹⁾	72 dB(A) ¹⁾
Moment of inertia	0.031 kg m²	
Bearing DE NDE	6308 2Z C3	6308 2Z C3
Bearing lifetime	40000 h	
Lubricants	Esso Unirex N3	
Regreasing device	No	
Grease nipple	- / -	
Type of bearing	Preloaded bearing DE	
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 H00
Contact screw thread	M4
Max. cross-sectional area	6.0 mm²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 plugs

Special design (2)	
L25	Double sides reinforced bearings for DE and NDE, Type 63
M02	Connection when shipped, delta connection

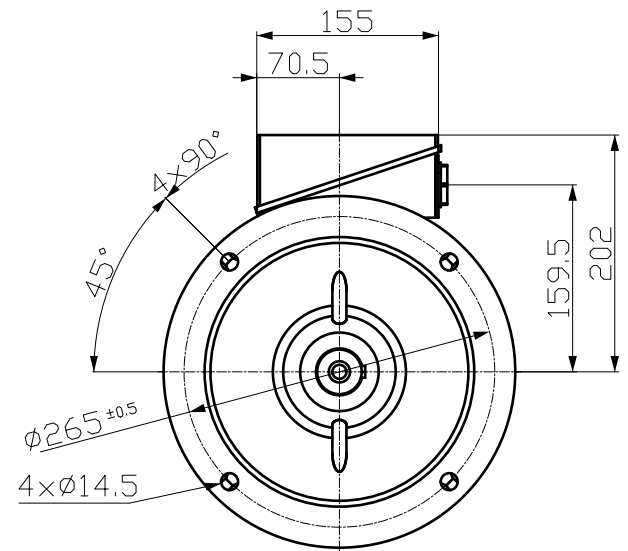
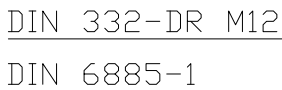
Environmental conditions

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

Notes

I_{A/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

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Tolerance	Surface	Material	Weight -	Scale  mm
1LE1003-1CA12-2FA4-Z L25+M02	Author	Dimensional drawing Maßzeichnung		
	Creator DTK			
	Approval			
	Department			
	Change Order	MLFB	Doc Type	
SIEMENS	Doc State 1/16/19	Item No	Paper Size A3	
	Revision Index RS	Doc No	1st Language en 2nd Language de	
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