



**MLFB-Ordering data:** 1LE1002-1AC42-2AA4

**Motor type:** 1AV1104C

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 <sub>A</sub> /I <sub>N</sub> I <sub>f</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>f</sub> /T <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub> T <sub>B</sub> /T <sub>N</sub>	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	1.50	- / -	6.80	940	15.0	75.2	75.6	72.3	0.74	0.65	0.52	4.0	2.0	2.2	IE1
400	Y	50	1.50	- / -	3.90	940	15.0	75.2	75.6	72.3	0.74	0.65	0.52	4.0	2.0	2.2	IE1
460	Y	60	1.75	- / -	3.65	1140	15.0	77.0	77.5	75.2	0.78	0.69	0.55	4.5	2.1	2.5	IE1
IM B3 / IM 1001			FS 100 L		19 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN								

### Mechanical data

Sound pressure level 50Hz/60Hz (load)	59 dB(A) <sup>1)</sup>   62 dB(A) <sup>1)</sup>
Moment of inertia	0.0065 kg m <sup>2</sup>
Bearing DE   NDE	6206 2Z C3   6206 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

### Environmental conditions

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

### Notes

I<sub>A</sub><sup>1)</sup> = locked rotor current / current nominal    M<sub>K</sub>/M<sub>N</sub> = break down torque / nominal torque  
M<sub>A</sub>/M<sub>N</sub> = 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 F00
Contact screw thread	M4
Max. cross-sectional area	4.0 mm <sup>2</sup>
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 plugs

### Special design (0)

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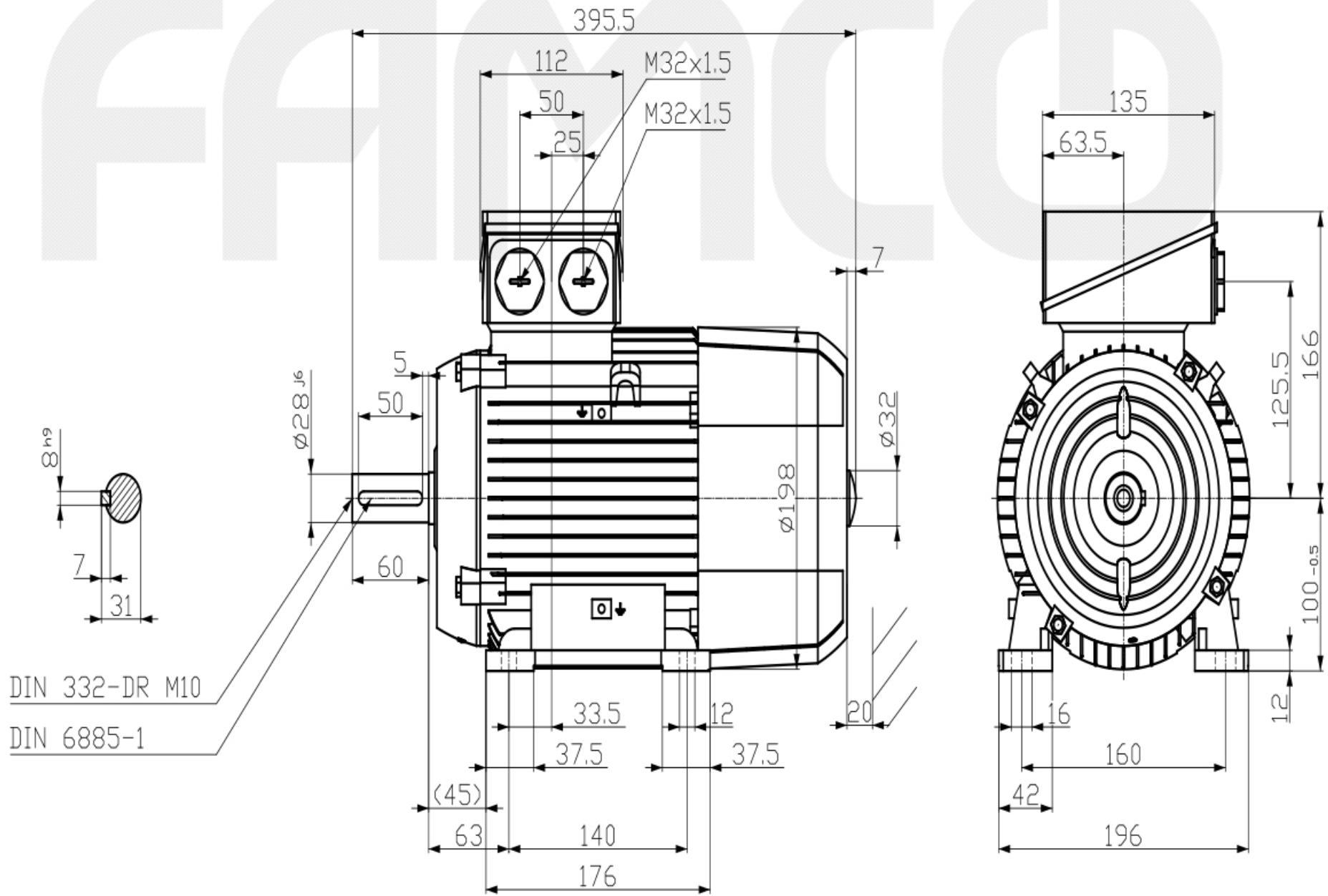
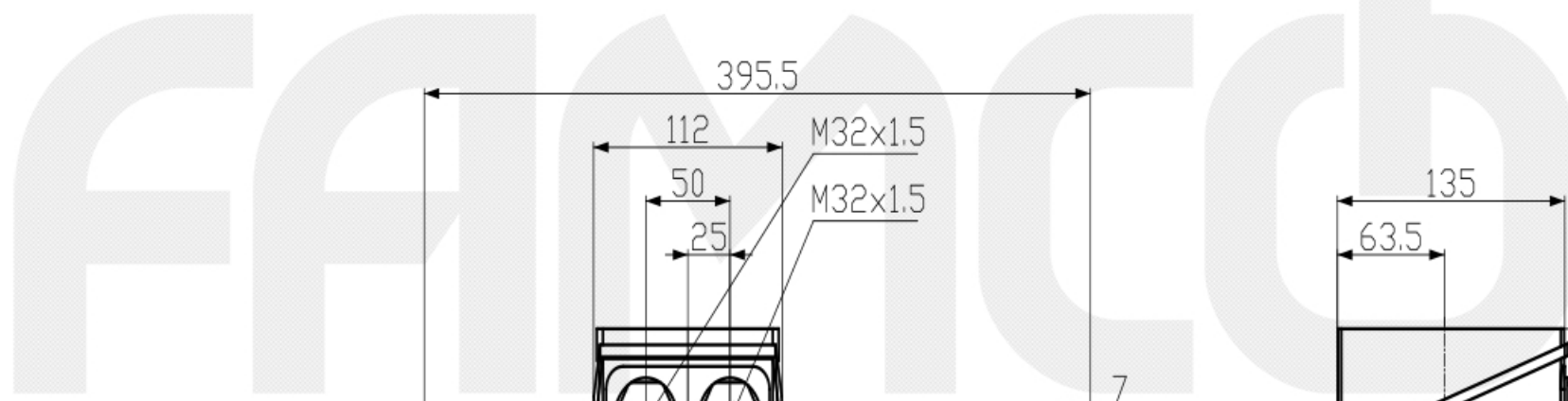
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DIN 332-DR M10  
DIN 6885-1

Tolerance	Surface	Material	Weight	Scale
1LE1002-1AC42-2AA4	Author	Dimensional drawing		
	Creator	Maßzeichnung		
	Approval	DTK		
	Department			
	Change Order	MFB	Doc. Type	
	Doc. State	1/19/19	Item No.	Page Size A3
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