



Ordering data : **1LE1011-1AJ53-4FA4**

Motor type: **1AV1105J**

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

Rated voltage	400V 50Hz	
Frequency	50Hz 1. no. of poles	50Hz 2. no. of poles
Rated power	2.50 kW	3.10 kW
Rated speed	1440 1/min	2840 1/min
Rated torque	16.6 Nm	10.4 Nm
Rated current (IE)	5.4 A	6.4 A
Starting / rated current	5.2	5.2
Breakdown / rated torque	2.8	2.9
Starting / rated torque	1.9	2.1
Efficiency class	-/-	-/-
	4/4	4/4
Efficiency %	76.3%	77.3%
Power factor	0.87	0.90
Motor protection	without	
Terminal box position	Terminal box - at the top	

Mechanical data

Sound pressure level 50Hz/60Hz (load)	-/-	
Moment of inertia	0.0078 kg m ²	
Bearing DE NDE	6206 2ZC3	6206 2ZC3
Type of bearing	Preloaded bearing NDE	
Condensate drainage holes	No	
Regreasing device	No	
Lubricants	Esso Unirex N3	
Relubrication interval	40000 h	
External earthing terminal	No	
Coating	Standard version	
Color	RAL7030	
Mechanical limit speed	6000.0 1/min	

Explosion protection

Type of protection	-/-
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Environmental conditions

Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m
Standards and specifications	IEC, DIN, ISO, VDE, EN

General data

Frame size	100 L
Type of construction	(F) IM B5 / IM3001
Weight in kg, without optional accessories	22 kg
Frame material	aluminum
Degree of protection	IP 55 (standard)
Method of cooling, TEFC	IC 411
Vibration class	A (standard)
Insulation	155(F) to 130(B)
Duty type	S1 = continuous operation
Direction of rotation	bidirectional

Terminal box

Material of terminal box	Aluminium
Type of terminal box	TB1 F00
Contact screw thread	M4
Max. cross-sectional area	4.0 mm ²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 plugs

Special design