

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LA7113-4AA61

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data:

Rated motor voltage :		(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz					
Frequency :		50 Hz			60 Hz		
Rated power :		4.00 kW			4.60 kW		
Rated motor speed :		1440 1/ min			1740 1/ min		
Rated motor torque :		26.5 Nm			25.2 Nm		
Rated motor current (IE) :		VD	VY	VD			
		8.40 A	4.87 A	8.00 A			
Starting / rated motor current :		6.0			7.2		
Breakdown / rated motor		3.0			3.0		
Starting / rated motor torque :		2.7			2.7		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		83.1%	83.1%	82.1%	85.0%	85.0%	84.0%
Power factor :		0.83	0.79	0.89	0.84	0.80	0.71
Efficiency class :		IE1			IE1		

Mechanical data:

Sound pressure level 50 Hz/60Hz (load) :	53 dB(A)	57 dB(A)
Moment of inertia :	0.012 kg*m ²	
Bearing DE :	6206 2ZC3	
Bearing NDE :	6205 2ZC3	
Type of bearing :	Floating bearings pre-loaded DE (standard)	
Condensate drainage holes :	No	
Regreasing device :	No	
Lubricants :	Esso Unirex N3	
Grease lifetime/Relubrication interval :	40000 h	
Quantity of grease for relubrication :	null g	
External earthing terminal :	No	
Coating :	Special paint finish RAL 7030 stone gray	

Explosion protection:

Type of protection : without (standard)

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	112 M
Type of construction :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	31.00 kg
Frame material :	Aluminum
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A (Standard)
Insulation :	155(F) to 130(B)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

Terminal box:

Material of terminal box :	Aluminum
Type of terminal box :	gk 130
Contact screw thread :	M4
Max. cross-sectional area :	4.00 mm ²
Cable diameter from ... to ... :	11.00 mm - 21.00 mm
Cable entry :	2xM32x1,5
Cable gland :	2 plugs

Special design: