

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LA9106-6KA10

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated motor voltage :	(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	1.50 kW		1.75 kW			
Rated motor speed :	935 1/ min		1135 1/ min			
Rated motor torque :	15.3 Nm		14.7 Nm			
Rated motor current (IE) :	VD	VY		VY		
	6.43 A	3.70 A		3.75 A		
Starting / rated motor current :	6.2		6.0			
Breakdown / rated motor	3.4		3.0			
Starting / rated motor torque :	3.5		2.8			
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	79.8%	79.8%	78.8%	77.0%	77.5%	74.0%
Power factor :	0.70	0.00	0.54	0.76	0.70	0.58
Efficiency class :	IE2		IE2			

Mechanical data:

Sound pressure level 50 Hz/60Hz (load) :	47 dB(A)	51 dB(A)
Moment of inertia :	0.0065 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	100 L
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	25.00 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: