



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA7106-4AA11

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

Item no. :
Consignment no. :
Project :

Electrical data:						
Rated voltage :		(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz				
Frequency :		50 Hz			60 Hz	
Rated power :		2.20 kW			2.55 kW	
Rated speed :		1420 1/ min			1720 1/ min	
Rated torque :		14.8 Nm			14.2 Nm	
Rated current (IE) :		VD	VY		VY	
		8.43 A	4.85 A		4.65 A	
Starting / rated current :		5.6			5.9	
Breakdown / rated torque :		2.8			2.8	
Starting / rated torque :		2.5			2.5	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		79.7%	79.7%	78.7%	83.0%	83.0% 82.0%
Power factor :		0.82	0.77	0.67	0.83	0.79 0.69
Efficiency class :		IE1			IE1	

Mechanical data:		
Sound pressure level 50Hz/60Hz (load) :	53 dB(A)	57 dB(A)
Moment of inertia :	0.0047 kg*m²	
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	

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
Design of electrical machine :	
	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	
	21.00 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 :	
Type of terminal box :	
	gk 130
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:	
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