

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA7164-8AB50

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage :		(5) 500 VD, 50 Hz, 575 VD 60 Hz					
Frequency :		50 Hz			60 Hz		
Rated power :		5.50 kW			6.30 kW		
Rated speed :		710 1/ min			860 1/ min		
Rated torque :		74.0 Nm			70.0 Nm		
Rated current (IE) :		VD			VD		
					10.40 A		
Starting / rated current :		4.7			4.7		
Breakdown / rated torque :		2.7			2.7		
Starting / rated torque :		2.3			2.3		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		81.9%	81.9%	80.9%	81.9%	81.9%	80.9%
Power factor :		0.73	0.67	0.54	0.74	0.68	0.55
Efficiency class :		-/-			-/-		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	63 dB(A)	66 dB(A)
Moment of inertia :	0.046 kg*m²	
Bearing DE :	6209 2ZC3	
Bearing NDE :	6209 2ZC3	
Type of bearing :	Locating bearing NDE (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	160 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	74.00 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 330
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design: