

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA7166-6AA60

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data:

Rated voltage :		(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz					
Frequency :		50 Hz			60 Hz		
Rated power :		11.00 kW			12.60 kW		
Rated speed :		960 1/ min			1160 1/ min		
Rated torque :		109.4 Nm			103.7 Nm		
Rated current (IE) :		VD	VY		VD		
		24.50 A	14.20 A		25.00 A		
Starting / rated current :		4.8			5.1		
Breakdown / rated torque :		2.6			2.6		
Starting / rated torque :		2.3			2.3		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		86.4%	86.4%	85.4%	86.0%	86.0%	85.0%
Power factor :		0.74	0.68	0.55	0.74	0.68	0.55
Efficiency class :		-/-			-/-		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	66 dB(A)	70 dB(A)
Moment of inertia :	0.063 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 L
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	95.00 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: