

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA6166-8AB10-Z**
A12+D04

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 :	7.50 kW		8.60 kW			
Rated speed :	715 1/ min		865 1/ min			
Rated torque :	100.2 Nm		94.9 Nm			
Rated current (IE) :	VD	VY		VY		
	30.61 A	17.60 A		17.60 A		
Starting / rated current :	5.3		5.3			
Breakdown / rated torque :	3.0		3.0			
Starting / rated torque :	2.7		2.7			
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	83.9%	83.9%	82.9%	84.0%	84.0%	83.0%
Power factor :	0.72	0.63	0.52	0.73	0.67	0.54
Efficiency class :	-/-		-/-			

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	63 dB(A)	66 dB(A)
Moment of inertia :	0.064 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 :	-30 °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 :	122.00 kg
Frame material :	Cast iron
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 335
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:

A12	PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown
D04	Minimum ambient temperature -30°C