

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data : **1LG4223-4AA60-Z**
A11

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 :						
45.00 kW 52.00 kW /						
Rated speed :						
1475 1/min 1775 1/min						
Rated torque :						
291.4 Nm 279.8 Nm						
Rated current (IE) :						
VD VY VD VY						
82.0 A 47.5 A 81.0 A 81.0 A						
Starting / rated current :						
7.2 7.2						
Breakdown / rated torque :						
3.2 3.2						
Starting / rated torque :						
2.6 2.7						
Efficiency %						
4/4 3/4 2/4 4/4 3/4 2/4						
91.7 % 92.2 % 91.8 % 93.0 % 93.2 % 92.8 %						
Power factor :						
0.86 0.82 0.73 0.87 0.87 0.76						
Efficiency class :						
IE1 IE1						
no value						
No						

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
66.0(A) 70.0(A)	
Moment of inertia :	
0.45 kg m²	
Bearing DE :	
6213 ZC3	
Bearing NDE :	
6213 ZC3	
Type of bearing :	
Locating bearing NDE (standard)	
Condensate drainage holes :	
Yes	
Regreasing device :	
No	
Lubricants :	
Esso Unirex N3	
Grease lifetime/Relubrication interval :	
40000 h	
Quantity of grease for relubrication :	
null g	
External earthing terminal :	
Yes	
Coating :	

Explosion protection :	
Type of protection :	
without (standard)	

Environmental conditions :	
Ambient temperature :	
-20.0 °C - +40 °C	
Altitude above sea level :	
1000 m	
Standards and specifications :	
IEC, DIN, ISO, VDE, EN	

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

General data :	
Frame size :	
225 M	
Design of electrical machine :	
(0) IM B3 / B6 / B7 / B8 / V5 without canopy	
Weight in kg, without optional accessories :	
300.00 kg	
Frame material :	
Cast iron	
Degree of protection :	
IP 55	
Method of cooling, TEFC :	
IC 411	
Vibration class :	
A	
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 431	
Contact screw thread :	
M8	
Max. cross-sectional area :	
35.00 mm²	
Cable diameter from ... to ... :	
27.0mm - 35.0mm	
Cable entry :	
2xM50x1,5-1xM20x1,5	
Cable gland null	
3 plugs	

Special design :	
A11 PTC thermistor motor protection using 3 integrated temperature sensors for shutdown	