

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4223-4AA66-Z**
D22

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						
82.0 A 47.5 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						
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 m ²		
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 :	(6) B35
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 mm ²
Cable diameter from ... to ... :	27.0mm - 35.0mm
Cable entry :	2xM50x1,5
Cable gland null	2 plugs

Special design :	
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)