

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4223-4AA60-Z
A23+B02+D03+D22+K36+K45+L27+Y54+Y82

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			
Rated power :			45.00 kW			
Rated speed :			1475 1/min			
Rated torque :			291.4 Nm			
Rated current (IE) :			VD VY			
			82.0 A 47.5 A			
Starting / rated current :			7.2			
Breakdown / rated torque :			3.2			
Starting / rated torque :			2.6			
Efficiency %			4/4 3/4 2/4			
			91.7 % 92.2 % 91.8 %			
Power factor :			0.86 0.82 0.73			
Efficiency class :			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 :	
6313 ZC3	
Bearing NDE :	
6313 ZC3	
Type of bearing :	
Locating bearing NDE (standard)	
Condensate drainage holes :	
Yes	
Regreasing device :	
No	
Lubricants :	
Aeroshell Grease 22	
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 :	
-40.0 °C - +40 °C	
Altitude above sea level :	
1000 m	
Standards and specifications :	
IEC, DIN, ISO, VDE, EN	

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 :	
A23	Motor temperature sensing with integrated KTY 84-130 temperature sensor
B02	Acceptance test certificate 3.1 acc. to EN 10204
D03	Minimum ambient temperature -40°C
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
K36	Special bearings for DE and NDE, bearing size 63
K45	Anti-condensation heating, 230V
L27	Insulated bearing cartridge
Y54	
Y82	