

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4223-6AA60-Z**
A31+H73

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 :		30.00 kW			36.00 kW /	
Rated speed :		978 1/min			1178 1/min	
Rated torque :		292.9 Nm			291.9 Nm	
Rated current (IE) :		VD	VY	VD	VY	
		58.0 A	33.6 A	59.0 A		
Starting / rated current :		5.6			5.9	
Breakdown / rated torque :		2.5			2.4	
Starting / rated torque :		2.7			2.7	
		4/4	3/4	2/4	4/4	3/4
Efficiency %		90.2 %	91.2 %	91.3 %	91.7 %	92.6 %
Power factor :		0.83	0.79	0.70	0.84	0.84
Efficiency class :		IE1			IE1	
no value						
No						

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :		
60.0(A)		66.0(A)
Moment of inertia :		
0.49 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 :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	280.00 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 :	
Cable gland	null

Special design :	
A31	Temperature monitor for shutdown
H73	Mounted rotary pulse encoder HOG10 D1024 I