SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG6223-2MA10**

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 :	45.00 kW			51.00 kW /		
Rated speed :	2965 1/min			3565 1/min		
Rated torque :	144.9 Nm			136.6 Nm		
	VD	VY		VD	VY	
	137.4 A	79.0 A			78.0 A	
Starting / rated current :	7.6			7.6		
Breakdown / rated torque :	3.5			3.5		
Starting / rated torque :	2.7			2.7		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	92.9 %	92.9 %	92.1 %	93.0 %	93.0 %	92.0 %
Power factor :	0.88	0.85	0.76	0.88	0.88	0.78
Efficiency class :	IE2			IE2		
Design Letter / Code Letter	A			K		
CC 032A	Yes					

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	70.0(A)	74.0(A)
Moment of inertia :	0.23 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

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
Cable gland *null*	2 plugs

Special design :

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