

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4223-4AA60

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	
Starting / rated current :			7.2			7.2
Breakdown / rated torque :			3.2			3.2
Starting / rated torque :			2.6			2.7
			4/4	3/4	2/4	
Efficiency %			91.7 %	92.2 %	91.8 %	93.0 %
			91.7 %	92.2 %	91.8 %	93.0 %
Power factor :			0.86	0.82	0.73	0.87
			0.86	0.82	0.73	0.87
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

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 :	
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