

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LG4223-2AA60

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data :

Rated motor voltage :						
(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz						
Frequency :		50 Hz			60 Hz	
Rated power :		45.00 kW			51.00 kW /	
Rated motor speed :		2960 1/min			3560 1/min	
Rated motor torque :		145.2 Nm			136.8 Nm	
Rated motor current (IE) :		VD	VY	VD	VY	
		80.0 A	46.4 A	78.0 A		
Starting / rated motor current :		6.7			6.7	
Breakdown / rated motor		3.1			3.1	
Starting / rated motor torque :		2.4			2.4	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		91.7 %	92.0 %	91.6 %	92.4 %	92.4 % 91.7 %
Power factor :		0.88	0.85	0.78	0.89	0.89 0.80
Efficiency class :		IE1			IE1	
no value						
No						

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :		73.0(A)	77.0(A)
Moment of inertia :		0.22 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
Type of construction :		(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :		285.00 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 :