

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4223-4AA66-Z**
D22+K20

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	4/4	3/4	2/4
Efficiency %		91.7 %	92.2 %	91.8 %	93.0 %	93.2 %	92.8 %
Power factor :		0.86	0.82	0.73	0.87	0.87	0.76
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 :	NU213 E	
Bearing NDE :	6213 C3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	Yes	
Regreasing device :	No	
Lubricants :	Esso Unirex N3	
Grease lifetime/Relubrication interval :	20000 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 :	(6) B35
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 mm ²
Cable diameter from ... to ... :	27.0mm - 35.0mm
Cable entry :	2xM50x1,5
Cable gland null	2 plugs

Special design :	
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
K20	Bearing design for increased cantilever forces