

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4183-2AA60-Z**
D22

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 :		22.00 kW			24.50 kW /	
Rated speed :		2945 1/min			3545 1/min	
Rated torque :		71.3 Nm			66.0 Nm	
Rated current (IE) :		VD	VY		VD	VY
		41.0 A	23.8 A		39.5 A	
Starting / rated current :		6.4			6.7	
Breakdown / rated torque :		3.4			3.4	
Starting / rated torque :		2.5			2.5	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		89.9 %	90.0 %	89.6 %	89.5 %	89.5 % 88.5 %
Power factor :		0.86	0.82	0.72	0.87	0.87 0.75
Efficiency class :		IE1			IE1	
no value						
No						

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :	69.0(A)	73.0(A)
Moment of inertia :	0.068 kg m ²	
Bearing DE :	6210 ZC3	
Bearing NDE :	6210 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 :	180 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	145.00 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 330
Contact screw thread :	M5
Max. cross-sectional area :	16.00 mm ²
Cable diameter from ... to ... :	19.0mm - 28.0mm
Cable entry :	2xM40x1,5
Cable gland null	2 plugs

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