

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : **1LG4183-4AA10**

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

Item no. :
Consignment no. :
Project :

Electrical data :						
Rated motor voltage :						
(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz						
Frequency :			50 Hz			
Rated power :			18.50 kW			
Rated motor speed :			1465 1/min			
Rated motor torque :			120.6 Nm			
Rated motor current (IE) :			VD VY			
			61.7 A 35.5 A			
Starting / rated motor current :			6.7			
Breakdown / rated motor			3.1			
Starting / rated motor torque :			2.4			
Efficiency %			4/4	3/4	2/4	4/4
			89.3 %	89.7 %	89.2 %	91.0 %
Power factor :			0.84	0.77	0.68	0.85
Efficiency class :			IE1			
			no value			
			No			

Mechanical data :		
Sound pressure level 50 Hz/60Hz (load) :		
65.0(A) 71.0(A)		
Moment of inertia :		
0.10 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
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	140.00 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 :	
------------------	--