

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4186-4AA96-Z
A23+B49+D22+L1B

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

Item no. :
Consignment no. :
Project :

Electrical data :				
Rated voltage :		400 VD, 50 Hz		
Frequency :		50 Hz		
Rated power :		22.00 kW		
Rated speed :		1465 1/min		
Rated torque :		143.4 Nm		
Rated current (IE) :		VD 42.0 A		
Starting / rated current :		6.9		
Breakdown / rated torque :		3.2		
Starting / rated torque :		2.5		
		4/4	3/4	2/4
Efficiency %		89.9 %	90.4 %	90.0 %
Power factor :		0.84	0.78	0.68
Efficiency class :		IE1		

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	65.0(A)
Moment of inertia :	0.12 kg m²
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

General data :	
Frame size :	180 L
Design of electrical machine :	(6) B35
Weight in kg, without optional accessories :	155.00 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 mm²
Cable diameter from ... to ... :	19.0mm - 28.0mm
Cable entry :	2xM40x1,5-2xM20x1,5
Cable gland null	3 plugs

Special design :	
A23	Motor temperature sensing with integrated KTY 84-130 temperature sensor
B49	only for converter operation, corresponding to IEC60034-25
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
L1B	400 VD, 50 Hz