

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4186-4AA60-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			25.30 kW /		
Rated speed :	1465 1/min			1765 1/min		
Rated torque :	143.4 Nm			136.9 Nm		
Rated current (IE) :	VD	VY		VD	VY	
	42.0 A	24.4 A		41.0 A		
Starting / rated current :	6.9			6.9		
Breakdown / rated torque :	3.2			3.3		
Starting / rated torque :	2.5			2.5		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	89.9 %	90.4 %	90.0 %	91.0 %	91.4 %	90.9 %
Power factor :	0.84	0.78	0.68	0.85	0.85	0.70
Efficiency class :	IE1			IE1		
	no value					
	No					

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	65.0(A)	71.0(A)
Moment of inertia :	0.12 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

General data :

Frame size :	180 L
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
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 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)