

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4317-4AA68-Z**
A12+D22+K10

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 :		200.00 kW			230.00 kW /	
Rated speed :		1486 1/min			1786 1/min	
Rated torque :		1285.3 Nm			1229.8 Nm	
Rated current (IE) :		VD	VY	VD	VY	
		350.0 A	202.9 A	345.0 A		
Starting / rated current :		6.5			6.4	
Breakdown / rated torque :		2.8			2.7	
Starting / rated torque :		2.6			2.5	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		94.0 %	94.2 %	94.0 %	94.5 %	94.6 % 94.3 %
Power factor :		0.88	0.86	0.80	0.88	0.88 0.80
Efficiency class :		IE1			IE1	
no value						
No						

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :		
70.0(A)		75.0(A)
Moment of inertia :		
3.50 kg m ²		
Bearing DE :		
6319 C3		
Bearing NDE :		
6319 C3		
Type of bearing :		
Locating bearing NDE (standard)		
Condensate drainage holes :		
Yes		
Regreasing device :		
Yes (standard)		
Lubricants :		
Esso Unirex N3		
Grease lifetime/Relubrication interval :		
6000 h		
Quantity of grease for relubrication :		
40.0 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 :	315 L
Design of electrical machine :	(8) IM V1 / in 3011 without canopy
Weight in kg, without optional accessories :	1060.00 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 :	Cast iron
Type of terminal box :	gt 620
Contact screw thread :	M12
Max. cross-sectional area :	240.00 mm ²
Cable diameter from ... to ... :	38.0mm - 45.0mm
Cable entry :	2xM63x1,5-2xM20x1,5
Cable gland null	4 plugs

Special design :	
A12	PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
K10	Terminal box mounted on the left side