



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4310-4AA60-Z
A11+D04+D22+K45+Y54

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 :			110.00 kW		127.00 kW /	
Rated speed :			1488 1/min		1786 1/min	
Rated torque :			706.0 Nm		679.1 Nm	
Rated current (IE) :			VD	VY	VD	VY
			200.0 A	115.9 A	200.0 A	
Starting / rated current :			6.4		6.4	
Breakdown / rated torque :			2.8		2.7	
Starting / rated torque :			2.5		2.5	
			4/4	3/4	2/4	
Efficiency %			93.3 %	93.3 %	92.7 %	93.5 %
			93.3 %	92.7 %	93.5 %	93.4 %
Power factor :			0.85	0.82	0.73	0.85
			0.85	0.85	0.75	
Efficiency class :			IE1		IE1	
no value						
No						

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :		
Moment of inertia :		
Bearing DE :		
Bearing NDE :		
Type of bearing :		
Condensate drainage holes :		
Regreasing device :		
Lubricants :		
Grease lifetime/Relubrication interval :		
Quantity of grease for relubrication :		
External earthing terminal :		
Coating :		

Explosion protection :	
Type of protection :	without (standard)

Environmental conditions :	
Ambient temperature :	-30.0 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

General data :	
Frame size :	315 S
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	730.00 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 mm²
Cable diameter from ... to ... :	38.0mm - 45.0mm
Cable entry :	2xM63x1,5-2xM20x1,5
Cable gland null	4 plugs

Special design :	
A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown
D04	Minimum ambient temperature -30°C
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
K45	Anti-condensation heating, 230V
Y54	