



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4313-8AB10-Z
A12+D04+K10

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

Item no. :
Consignment no. :
Project :

Electrical data :						
Rated voltage : (1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz						
Frequency :			50 Hz			
Rated power :			75.00 kW			
Rated speed :			738 1/min			
Rated torque :			970.5 Nm			
Rated current (IE) :			VD	VY	VD	VY
			245.2 A	141.0 A		146.0 A
Starting / rated current :			5.7			
Breakdown / rated torque :			2.6			
Starting / rated torque :			2.2			
Efficiency %			4/4	3/4	2/4	4/4
			92.3 %	93.0 %	92.8 %	92.4 %
Power factor :			0.83	0.79	0.69	0.84
Efficiency class :						0.84
						0.71
			no value			
			No			

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
	64.0(A) 70.0(A)
Moment of inertia :	
	2.477 kg m²
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 :	-30.0 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

General data :	
Frame size :	315 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	745.00 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 :	
A12	PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown
D04	Minimum ambient temperature -30°C
K10	Terminal box mounted on the left side